

Cultivation Practices in India

**NSS 54th Round
January 1998 – June 1998**

**National Sample Survey Organisation
Department of Statistics and Programme Implementation
Government of India**

August 1999

PREFACE

The Nation Sample Survey Organisation (NSSO) carried out a nationwide survey on cultivation practices as a part of its 54th round (January to June '98). The enquiry was carried out in the rural areas of the entire country through household survey to ascertain the problems and utilisation of facilities in the field of agriculture and also their level of adoption in farms of different sizes in the country. In the past, the NSSO has conducted similar enquiries, either on the same topics or on those which are closely related to it.

The present report is on the spread of improved agricultural technology, viz. use of improved high yielding varieties of seeds, fertilisers, manures, pesticides, etc. and use of irrigation facilities and also use of improved agricultural implements like tractors, power tiller, harvesters etc.

The field work of the survey was conducted by the Field Operation Division. Data scrutiny and tabulation were done by the Data Processing Division. The Survey Design & Research Division was responsible for designing of the survey and preparation of the report.

I am grateful to the members of the Governing Council and member of the Working Group for their valuable guidance at various stages of the survey work. I also wish to thank the heads of various divisions of NSSO and their colleagues for their efforts in conducting the survey and bringing out this report. It is hoped that this report would serve as reference document to the users of NSS data.

Comments and suggestions for the improvement of the report are most welcome.

August 1999

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Highlights

- **Percentage of area under field crops cultivated using:**

| | |
|--|----|
| HYV or hybrid (improved) seeds | 59 |
| fertilisers | 81 |
| ... | |
| manure | 74 |
| ... | |
| pesticides | 47 |
| ... | |
| weedicides | 22 |
| ... | |
| irrigation | 66 |
| ... | |
| tractors / power tillers | 54 |
| ... | |
| harvestors / harvestor combines | 6 |
- **Percentage of area under field crops cultivated with improved seeds:**

| | |
|-------------------------------|----|
| paddy: <i>kharif</i> | 51 |
| ... | |
| <i>rabi</i> | 66 |
| ... | |
| wheat | 63 |
| ... | |
| other cereals | 64 |
| ... | |
| pulses | 47 |
| ... | |
- **Percentage of area under field crops located in villages with Govt. irrigation canals:** 25
- **Percentage of irrigated area hiring irrigation services from other households in:**

| | |
|------------------------|----|
| canal areas | 40 |
| ... | |
| non-canal areas | 49 |
| all | 46 |
- **Percentage of mechanically-tilled area using hired tractor / power-tiller:.** 72
- **Percentage of rural households engaged in field-crop cultivation:** 61
- **Percentage of field-crop cultivator (FCC) households owning 1 hectare or less of land:** 62
- **Percentage of FCC households owning irrigation facilities and of them the percentage**

reporting the facilities remaining 'out of use' due to shortage of fuel or power or low water level:

| | <i>dugwell / tubewell</i> | <i>electric pump</i> | <i>Oil pump</i> |
|-----------------------------------|-------------------------------|--------------------------|---------------------|
| percentage owning | 29 | 13 | 13 |
| percentage reporting 'out of use' | 26 | 48 | 14 |

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Chapter I

Introduction

1.1 The Report in Perspective

1.1.1 An enquiry on cultivation practices was conducted as a part of the 54th round survey of the National Sample Survey Organisation (NSSO) during January to June 1998. The enquiry was carried out in the rural areas of the entire country through a household survey based on random sampling. In the past, the NSSO had conducted similar enquiries, either on the same topic or on those which are closely related to it, like land and livestock holdings, sources of irrigation and agricultural implements. The present enquiry, on which this report is based, is essentially designed to generate information only on the spread of improved agricultural technology, embodying the use of improved high-yielding seeds, fertilisers and irrigation on the one hand and mechanisation of agricultural operations on the other.

1.1.2 *Objective:* The technological change in agriculture that is currently under way in India was initiated in the 1960s when the Government introduced and popularised in certain regions of the country the high-yielding varieties (HYVs) of wheat and rice developed in Mexico and Philippines respectively. Over the last three decades, there has been a marked increase in the use of HYVs and hybrid seeds, and of the inputs like fertilisers, pesticides and irrigation which are essential for raising them and mechanisation of agriculture throughout the country. Nevertheless, it is widely held that not only has the geographical spread of the improved technology been uneven, but the sharing of the benefits of technology by different sections of the farmers has also been extremely unequal. Though the available macro-level data on the consumption of fertilisers and pesticides, irrigated area and area under HYVs of the main cereal crops like wheat, rice, maize, *jowar* and *bajra* do provide a fair idea of the geographical spread, the data on the level of adoption of improved technology on farms of different sizes or those on area treated with fertilisers or pesticides or tilled by tractors and power tillers are virtually absent. The present enquiry aims at providing certain basic State-level statistics on farm mechanisation and use of the improved 'seed-fertiliser-water' technology by farmers of varying ownership holding of land. The enquiry is, however, confined to the study of field-crop cultivation. Thus the aspects of technological change in plantation and horticulture, or in the other sub-sectors of agriculture, are beyond the purview of this report.

1.2 The Present Report

1.2.1 This report pertains to the use of advanced technology for the cultivation of field crops based on data collected on crops cultivated, season of cultivation, area under each crop, use of irrigation facility and other inputs and use of machinery, in the 54th round of the NSSO. Data collected and used in this report can be briefly described as follows:

1. Data on crops cultivated, season of cultivation and area sown with it.
2. For each crop reported, data on use of machinery, such as tractors/power tillers, irrigation pump sets and harvestors. For crops for which the soil was tilled with tractors/power tillers, it was enquired whether they were taken on hire.
3. For each crop reported, data on use of inputs, viz., manure and its type, fertilisers, improved seeds and its type, irrigation and whether irrigation services hired and weedicide and pesticides, etc.
4. Household level information like
 - a) land owned, possessed, net sown area and area cropped more than once
 - b) whether soil was tested and whether recommendations followed
 - c) irrigation facilities and machinery and whether some of them remained unused.

1.2.2 *Layout of the report:* The report contains four chapters, including the present one, and two appendices. Chapter II provides a brief discussion on the definitions and concepts used for the enquiry. Chapter III gives a fairly detailed description of the sample design and the estimation procedure used for the survey. Chapter IV discusses the summary results of the survey and attempts to provide a perspective for proper interpretation of the results. Appendix I, which, in fact, forms the main body of the report, presents the detailed survey results on cultivation practices in the form of tables. A brief note on the editing and imputation procedures adopted for the survey data of the present enquiry is given in Appendix II. Appendix III is a facsimile of blocks 0, 1, 2, 13 and 14 of schedule 31 which are relevant for this report.

1.2.3 The estimates presented in the report are based on the pooled data of the two *sub-samples* of only the *Central sample*. (See the section “Method of Data Collection” for discussion on *sub-sample* and *Central sample*.) The survey results presented in the report are mostly in the form of ratios. The basic aggregate estimates and number of households, given in the detailed tables of Appendix I, generally as marginal column totals, may be used for working out rates and ratios for domains not presented in the report.

1.3 Fifty-fourth Round

1.3.1 Four main topics were covered in the 54th Round, namely,

- (i) Drinking Water, Sanitation & Hygiene
- (ii) Travel and Use of Mass Media and Financial Services
- (iii) Cultivation Practices
- (iv) Common Property Resources

In addition, the survey on household consumer expenditure and employment-unemployment was as usual conducted in this round. The present report contains estimates on cultivation practices. The results of the enquiries on the other three topics are being brought out in separate reports.

1.3.2 The main schedules used in the 54th round, apart from Schedule 1.0 on consumer expenditure and employment-unemployment, were: Schedule 3.3 on village facilities and common property resources; and Schedule 31 on Drinking Water, Sanitation and Hygiene, Travel and Use of Mass Media and Financial Services, Cultivation Practices and Common Property Resources. The relevant portion of Schedule 31 has been provided in Appendix III.

1.3.3 For the enquiry on cultivation practices, the rural areas of the entire country, were covered, with the exception of some interior areas of Nagaland and Andaman & Nicobar Islands and the Ladakh and Kargil districts of Jammu & Kashmir.

1.4 Method of Data Collection

1.4.1 The present report is based mainly on the information on cultivation practices collected in a part of Schedule 31. The data were collected from a sample of households by interview method. The survey period for the 54th Round was January to June 1998.

1.4.2 *Reference period:* The enquiry on cultivation practices was conducted generally with the reference period of the agricultural year 1997-98. The survey period being a part of the reference period in many cases, complete information on crops cultivated during the agricultural year was not available when the household was surveyed. The additional information on cultivation of crops that were to be undertaken during the remaining part of the agricultural year was ascertained by asking the informant certain additional probing questions regarding his plans for the *rabi* season. Similarly, the net sown area was worked out on the basis of actual area sown in *kharif* and the additional area planned to be sown during the *rabi* season. For questions like 'whether well/tubewell remained unused' and 'whether pump sets remained unused', a reference period of 365 days preceding the date of survey was used.

1.4.3 *Sample design:* The sample design adopted for the survey was essentially a two-stage stratified design, with census villages as the first-stage units (FSUs) and households as the second-stage units (SSUs). The survey period was January - June 1998. The sample of FSUs was drawn independently in the form of two sub-samples and an equal number of FSUs was allocated to each sub-sample. (For a detailed discussion on sample design, see Chapter III.)

1.4.4 *Sample size – first-stage units*: In all, 10,978 villages were planned to be surveyed in this round. Of these, 5,242 were allocated to the Central sample - the part surveyed mainly by the NSSO field staff - and the rest to the State sample - the part surveyed by the State agencies. In the urban sector, the allocations for the Central and State samples were 1,788 and 2,256 blocks respectively. This report, however, pertains to rural areas and thus is based on the data collected from the villages in the Central sample alone.

1.4.5 *Sample size – second-stage units*: For Schedule 31, 16 households were planned to be surveyed in each selected village. In all, 78,990 rural households were surveyed in the present survey.

1.5 Earlier Surveys of NSSO Relating to Cultivation Practices

1.5.1 As early as in 1951-52 and 1952-53, NSS, in its 5th to 7th rounds conducted a survey on some aspects of the cost of cultivation of minor cereals, pulses, sugarcane, oilseeds, potato, spices and tobacco. In those surveys, detailed data were collected on periods of sowing and harvesting by crops, area under crops, sources of seeds used, quantity and value of seeds used, quantity and value of manure used, water charges per acre, human and animal labour days utilised per acre and value of production per acre, etc. In the 8th round of the NSS (July 1953 - June 1954), for the first time, information was collected on agricultural implements - whether owned/hired mechanised agricultural operation in cultivation - whether used/not used, types of seeds and manure used and sources of irrigation. Information was collected on farming conditions and practices of agricultural operations, on adequacy of available human and animal labour, source of human and animal labour and implements and their utilisation, area of plots under sowing types: drilling, transplanting, etc., for different crops, area under manure by type of manure and area under different sources of irrigation. The 11th round of the NSS, conducted during August 1956 - February 1957, covered aspects of agriculture in India. In this survey detailed information on values of various inputs and outputs and yield per unit input was collected. Again, in the 22nd round of the NSS conducted during July 1967 - June 1968, a survey on farm practices was carried out. In this survey details of households using various improved agricultural practices with reasons for non-use and availability of irrigation, improved seeds and fertilisers was collected. Information on available animal labour and agricultural implements, and the extent to which they were used, was collected in the 26th round of the NSS, conducted during July 1971 - Sept. 1972. Lastly, in the 31st round of the NSS, a detailed enquiry on irrigation was taken up during July 1976 - June 1977. In this survey too, information on the use of improved seeds, chemical fertilisers, pesticides, etc. was collected, besides data on irrigation.

Chapter II

Concepts and Definitions

2.1.1 The concepts and definitions of the terms used in this report are briefly discussed in this chapter.

2.2.1 *Household*: A group of persons normally living together and taking food from a common kitchen constitutes a household. The word “normally” means that temporary visitors are excluded but temporary stay-aways are included. Thus a son or a daughter residing in a hostel for studies is excluded from the household of his/her parents, but a resident employee or a resident domestic servant or paying guest (but not just a tenant in the house) is included in the employer/host’s household. “Living together” is usually given more importance than “sharing food from a common kitchen” in drawing the boundaries of a household in case the two criteria are in conflict; however, in the special case of a person taking food with his family but sleeping elsewhere (say, in a shop or a different house) due to space shortage, the household formed by such a person’s family members is taken to include the person also. Each inmate of a hotel, mess, boarding lodging house, hostel, etc., is considered a single-member household except that a family living in a hotel (say) is considered to be one household only; the same applies to residential staff of such establishments.

2.3.1 *Land owned*: A plot of land is considered to be owned by the household if permanent heritable possession, with or without right to transfer (sell) the title, is vested in a member or members of the household.

2.3.2 *Land possessed*: Land possessed is given by land owned (including land held under long term lease of 30 years or more) + land leased-in - land leased-out + otherwise possessed land. The last class of land, i.e. otherwise possessed land, is understood to mean all public/institutional land possessed by the household without title of ownership or occupancy right.

2.3.3 *Net area sown*: It consists of area sown with field crops and area under orchards and plantations, counting only once the area sown more than once during the same year. [Area under the 5 major crops consists of net area sown under the 5 most important field crops among the 12 crop-groups as defined below in para 2.4.1.]

2.3.4 *Area sown more than once*: It is the area sown more than once, or planned to be sown more than once, during the same agricultural year. If the area is sown under 5 most important field crops among 12 crop-groups more than once the area is taken as the product of net area sown and number of times sown less one. Thus if 1 hectare of land is sown thrice in the agricultural year

1997-98 under a major field crop among 12 crop-groups, the area sown more than once will be taken as 2 hectares.

2.4.1 *Five major crops*: These are five most important field crops identified on the basis of value of production of the crops. The set of 5 major crops is not a fixed set but varies from household to household. For any particular household it is understood as the 5 most important field crops cultivated by the household in the agricultural year 1997-98 in terms of value of production of the crops (field-crops excluding plantation-crops and orchards) from among a list of crop-season combinations involving 12 crop-groups. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose. The 12 crop-groups are as follows:

- | | | |
|------------------|---------------|----------------------|
| 1. paddy | 5. oil seeds | 9. fodder |
| 2. wheat | 6. mixed crop | 10. fruits and nuts |
| 3. other cereals | 7. sugar cane | 11. other cash crops |
| 4. pulses | 8. vegetables | 12. others |

2.4.2 *Season*: The season of a crop is determined by the time of the year it is harvested. All crops harvested during July to December are called *khariif* crops and those harvested during January to June are called *rabi* crops.

2.4.3 *Classification of field crop cultivators by ownership of holding*: In the detailed tables, given in Appendix I, 8 size classes have been used, which are as follows:

- | | |
|------------------|---------------|
| nil (< 0.01 ha.) | 1.01 - 2.00 |
| 0.01 - 0.20 | 2.01 - 4.00 |
| 0.21 - 0.50 | 4.01 - 10.00 |
| 0.51 - 1.00 | 10.01 & above |

The households were classified accordingly depending upon the total area of land owned by its members.

2.5.1 *Improved seeds*: Nucleus was the one freshly released by Government research stations for multiplication in agricultural department farms or to some registered seed growers. From this nucleus seed parent/foundation seeds were obtained for general distribution to cultivators. Thus the parent seed certified as better yielding varieties and released for improved seeds by Government agricultural departments were considered as certified seeds. Seeds obtained by multiplication of these parent seeds were taken as uncertified improved seeds.

2.5.2 *Fertilisers and manure*: The pure compounds of N, P & K manufactured in factories that are used as nutrients of plants are fertilisers whereas all other nutrients of plants are manures.

2.6.1 *Cultivator households*: A household was considered a cultivator household, for this report, if it had reported some net sown area during the agricultural year 1997-98.

2.6.2 *Field crop cultivator household*: A household was taken a field crop cultivator household, for this report, if it had sown any field crop during the agricultural year 1997-98.

2.6.3 Some abbreviations commonly used in the Report are given below:

| | |
|------|------------------------------|
| ACG | Average number of Crop Group |
| AFMC | Area under Five Major Crops |
| FCC | Field Crop Cultivator |
| GCA | Gross Cropped Area |
| HYV | High Yielding Variety |
| LHS | Land Holding Survey |
| LUS | Land Use Statistics |
| NSA | Net Sown Area |

Chapter III

Sample Design and Estimation Procedure

3.0 Since in the 54th round of the NSS the survey on Cultivation Practices was conducted in the rural areas only, the sample design and estimation procedure, too, have been stated below only for the rural areas.

3.1 Sample Design

3.1.1 A stratified multi-stage sampling design was adopted for the survey. The first stage units were census villages (*panchayat* wards in the case of Kerala). Households formed the ultimate-stage units.

3.1.2 *Sampling frame for first-stage units (FSUs)*: The list of census villages of the 1991 population census (the 1981 census list for J & K) constituted the sampling frame for most of the States. For Kerala, however, the list of *panchayat* wards was used as the sampling frame for selection of *panchayat* wards. For Nagaland, the villages located within 5 km of a bus route constituted the sampling frame, whereas for Andaman & Nicobar Islands, the list of accessible villages constituted the sampling frame.

3.1.3 *Stratification*: From the list of villages of each State/Union Territory (UT), initially three separate strata were formed by considering villages (a) with very small population (b) with no population and (c) with very high population. These are formally stated below:

stratum 1 : all uninhabited villages (as per the 1991 census)

stratum 2 : villages each with a population of 1 to 50 (including both the boundaries) as per the 1991 census

stratum 3 : villages each with a population of more than 15,000 as per the 1991 census

Each of the above three strata was formed only when there were at least 10 villages of the specified population in the State/UT as per the 1991 population census. Otherwise, these villages were included in the general strata as described below.

3.1.4 After formation of the strata 1, 2 and 3 (wherever applicable), the remaining villages of the State/UT were considered for formation of the general strata. Each district with a population of less than 2 million as per the 1991 census formed a separate stratum. A district having a

population of 2 million or more was divided into two or more strata, depending on its population, as per the usual procedure followed in the NSS. For Gujarat, some districts cut across NSS regions. In such cases, the part of a district falling in an NSS region formed a separate stratum.

3.1.5 *Allocation of first-stage units (FSUs)*: A total all-India sample of 5242 villages for the Central sample were allocated to the States/UTs in proportion to their investigator strength.

3.1.6 Next a suitable sample size – minimum 2 and maximum 6 villages; the exact number depending on the total number of villages in the frame - was allocated to stratum type 1 of rural areas of each State and UT. In all, 68 sample villages were allocated to stratum 1 of the rural areas, considering all those States/UTs where stratum type 1 was formed. From stratum 2, a sample of a maximum of 6 villages was selected from each State and UT. The number of sample villages from stratum 3 was either 2 or 4 depending upon whether the number of villages in the frame of stratum type 3 was less than 20 or more. The remaining sample size (i.e. total allocation for the rural areas less the allocations for strata 1,2 and 3) of rural areas of each State and UT was allocated to the general strata (i.e. the strata other than strata 1, 2 and 3) in proportion to their populations.

| stratum type | selection procedure |
|--------------|------------------------------|
| 1 | css with equal probability @ |
| 2 | -do * |
| 3 | -do * |
| others | css with pps * |

(css : circular systematic sampling, pps : probability proportional to size, size = population)

@ arrangement of villages in the frame is the same as that of the census

* after arranging the FSUs in an ascending order of population

3.1.7 *Selection of first-stage units* : The selection of the sample FSUs was done in the form of two independent sub-samples as follows :

3.1.8 *Selection of hamlet-groups in rural areas*: There are villages in India which contain large population. Listing all the households of such a village requires considerable amounts of time and effort of field officials. To limit their work-load at this stage of the survey operation, the large villages were further subdivided into a specified number of parts, by grouping contiguous natural hamlets, in such a way that each group contained natural hamlets, approximately with an equal fraction of the village population. These groups of hamlets were called hamlet-groups (hgs). From the specified number of hamlet groups (depending upon the approximate present population) thus formed, a random sample of the hamlet-groups was drawn for the subsequent stages of the survey. The number of hamlet-groups formed and selected for the survey were as follows:

| approx. present population of village | no. of hgs formed (D) | no. of hgs selected for survey(d) |
|---------------------------------------|---------------------------|---------------------------------------|
| less than - 1200 | no hg formation | entire village is selected for survey |
| 1200 - 1999 | 4 | 2 |
| 2000 - 2499 | 5 | 2 |
| 2500 - 2999 | 6 | 2 |
| 3000 - 3499 | 7 | 2 |
| 3500 - 3999 | 8 | 2 |
| 4000 - 4499 | 9 | 2 |
| 4500 - 4999 | 10 | 2 |
| 5000 - 5499 | 11 | 3 |
| . | . | . |
| . | . | . |
| . | . | . |
| 9500 - 9999 | 20 | 3 |
| 10000 - 10499 | 21 | 4 |
| . | . | . |
| . | . | . |
| . | . | . |
| 14500 - 14999 | 30 | 4 |
| 15000 - 15499 | 31 | 5 [@] |
| and so on | | |

@ 5 hgs were selected for survey from each selected village having approx. present population of 15000 or more

However, for the rural areas of Himachal Pradesh, Sikkim, and Punch, Rajouri, Udhampur and Doda districts of Jammu & Kashmir, the limit was $D=1$ for a population of less than 600, $D=4$ for a population of 600 - 1199; $D=5$ for a population of 1200 - 1499; $D=6$ for a population of 1500 - 1799 and so on. The number of hgs selected for the survey was $d=2$ for $D=4$ to 10, $d=3$ for $D=11$ to 20, $d=4$ for $D=21$ to 30 and $d=5$ for $D>30$.

3.1.9 *Second-stage stratification (for selection of households)*: In rural areas, all the households of a sample village, or the selected hamlet groups of it, were classified into 3 second-stage strata. The households engaged in free collection (other than fuelwood and marine fishing) formed second-stage stratum 1. Other rural households were grouped into two second-stage strata - those with wage/salary earning but possessing land less than 0.40 hectare formed second-stage stratum 2 while the rest of the households formed second-stage stratum 3. The households of second-stage stratum 3 in rural areas were arranged by area of land possessed

before sample selection. In urban areas also, the households were grouped into three second-stage strata, but by following a procedure different from that followed for rural areas.

3.1.10 *Selection of households* : For schedule 31, a sample of 16 households from each selected village (or selected hamlet-groups) was selected for the survey.

3.1.11 The 16 households selected from each selected village (or selected hamlet-groups) were allocated among the three second-stage strata in proportion to the number of households in the respective frames with a minimum allocation of 4, 2 and 2 households, respectively, to second-stage strata 1, 2 and 3.

3.1.12 While allocating the above total number of sample households among the three second-stage strata, if allocation for one particular second-stage stratum was less than the minimum allocation specified for the second-stage stratum, its quota was increased to the said minimum number and the residual total allocation was allocated between the other two second-stage strata in proportion to the total number of households in the respective frames. The sample households were selected circular systematically with independent random starts from the respective frame of households in each second-stage stratum.

3.2 Estimation Procedure

3.2.1 The estimation procedure adopted in the 54th round for schedule 31 is briefly indicated here.

3.2.2 *Notation*: The notation used for describing the estimation procedure is as given below:

s = subscript for stratum

i = subscript for sample village

j = subscript for second-stage stratum of a sample village

k = subscript for sample household

b = subscript for sub-sample ($b=1, 2$)

z = size of the sample village used for selection

Z = total size for a stratum as per the frame

n = number of sample villages (i.e. no. used for tabulation) surveyed including uninhabited and zero cases and excluding casualty and other not received cases

D = number of hamlet-groups formed in the sample village

d = number of hamlet-groups selected for survey

H = total number of households listed in the frame

h = number of sample households available for tabulation

y = value of any characteristic under estimation in a sample village/household

\bar{y} = estimate of population total of the characteristic y

3.2.3 Estimates of aggregates:

For schedule 31, the formula used for the estimation of the aggregates of the s -th stratum and b -th sub-sample is as specified below:

$$\bar{y}_{sb} = \frac{Z_s}{n_{sb}} \sum_{i=1}^{n_{sb}} \frac{D_{sbi}}{d_{sbi}} \frac{1}{z_{sbi}} \sum_{j=1}^3 \frac{H_{sbij}}{h_{sbij}} \sum_k y_{sbijk}$$

Note: (i) For strata 1,2 and 3 in the rural sector, $z=1$ and Z = total number of villages in the frame of the respective strata whereas for other strata in the rural sector, z = population of the sample village as per the frame used for selection and Z = total population of the stratum.

(ii) When $D=1$, $d = 1$ and for $D \geq 4$, $2 \leq d \leq 5$

(iii) When $H>0$ but $h=0$ for any second-stage stratum, that second-stage stratum was merged with any of the other two second-stage strata. In particular, if $h=0$ for $H>0$ for the 1st second-stage stratum, it was merged with the 3rd second-stage stratum. If second-stage stratum 2 became a casualty, it was merged with second-stage stratum 3. Lastly, if second-stage stratum 3 became a casualty, it was merged with second-stage stratum 1.

The pooled estimate of the s -th stratum based on two sub-samples has been obtained as

$$\bar{y}_s = \frac{1}{2} \sum_{b=1}^2 \bar{y}_{sb}$$

The pooled estimate \bar{Y} at the region/State/UT/all-India has been obtained by summing the stratum estimates \bar{y}_s over all the strata of the region/State/UT/all-India.

3.2.4 *Estimates of ratios:* The estimate of the ratio $R = \frac{Y}{X}$ (where X and Y are the population totals of the two characters) was obtained as $\bar{R} = \frac{\bar{Y}}{\bar{X}}$.

| Table T₀: First-Stage and Second-Stage sample size | | | | | | |
|--|-------------------|-------------|-------------|-------------|--------------------------------------|--------------|
| State/UT | number of FSUs in | | | | number of sample households surveyed | |
| | rural | | urban | | rural | urban |
| | allotted | surveyed | allotted | surveyed | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| Andhra Pradesh. | 364 | 364 | 132 | 132 | 5721 | 2356 |
| Ar. Pradesh * | 52 | 49 | 8 | 7 | 719 | 126 |
| Assam | 214 | 206 | 28 | 28 | 3243 | 504 |
| Bihar | 478 | 477 | 72 | 72 | 7464 | 1283 |
| Goa | 18 | 18 | 12 | 12 | 256 | 212 |
| Gujarat | 190 | 190 | 96 | 96 | 2939 | 1701 |
| Haryana | 82 | 82 | 24 | 24 | 1222 | 430 |
| Himachal Pradesh | 132 | 127 | 12 | 12 | 1914 | 214 |
| Jammu & Kashmir | 192 | 116 | 60 | 27 | 1719 | 536 |
| Karnataka | 204 | 204 | 88 | 88 | 3152 | 1566 |
| Kerala | 204 | 204 | 72 | 72 | 2911 | 1296 |
| Madhya Pradesh | 372 | 372 | 112 | 112 | 5802 | 2010 |
| Maharashtra | 344 | 344 | 212 | 212 | 5359 | 3806 |
| Manipur | 60 | 60 | 24 | 16 | 873 | 414 |
| Meghalaya | 70 | 70 | 16 | 16 | 1040 | 277 |
| Mizoram | 42 | 42 | 36 | 36 | 594 | 648 |
| Nagaland | 56 | 56 | 12 | 11 | 895 | 196 |
| Orissa | 220 | 220 | 36 | 36 | 3401 | 646 |
| Punjab | 166 | 166 | 72 | 72 | 2533 | 1295 |
| Rajasthan | 228 | 228 | 64 | 64 | 3501 | 1129 |
| Sikkim | 60 | 60 | 8 | 8 | 936 | 144 |
| Tamil Nadu | 338 | 336 | 176 | 176 | 5324 | 3138 |
| Tripura | 108 | 76 | 20 | 20 | 1216 | 360 |
| Uttar Pradesh | 638 | 638 | 156 | 156 | 10003 | 2792 |
| West Bengal | 340 | 340 | 124 | 124 | 5312 | 2222 |
| A & N Islands | 38 | 38 | 12 | 12 | 502 | 216 |
| Chandigarh | 4 | 4 | 12 | 12 | 64 | 216 |
| D & N Haveli | 4 | 4 | 4 | 4 | 64 | 72 |
| Daman & Diu | 4 | 4 | 4 | 4 | 64 | 72 |
| Delhi | 10 | 10 | 68 | 68 | 119 | 1158 |
| Lakshadweep | 6 | 6 | 4 | 4 | 64 | 72 |
| Pondicherry | 4 | 4 | 12 | 12 | 64 | 216 |
| All India | 5242 | 5115 | 1788 | 1745 | 78990 | 31323 |

Chapter IV

Summary of Findings

4.1.1 The present enquiry on cultivation practices aims at assessing the level of adoption of advanced agricultural technology by farmers of varying ownership holdings of land in different parts of the country. The strategy of introducing high-yielding and short-duration varieties of exotic seeds adopted during the Fourth Plan has brought about a lasting technological change in Indian agriculture. In this report the term 'advanced agricultural technology' refers to the cultivation practices consisting of all operations of crop production that are required for high-yielding variety (HYV) and hybrid seeds.

4.1.2 The advanced technology has two specific components. First, the advanced 'seed-fertilizer-water' technology is based on use of improved seeds, which are responsive to ample doses of fertilizers and require an assured supply of water. This directly affects the agricultural production by raising the productivity of land. The second component, 'mechanised technology', i.e. use of capital-intensive farm machinery like tractors, power-tillers and harvesters, plays a complementary role leading to faster turnout of operations like ploughing, weeding and harvesting, with a substantial reduction in costs. This report attempts to present an overview of the spread and progress of the advanced 'seed-fertiliser-water' technology on the one hand and of the mechanisation in agricultural operations on the other.

4.1.3 The major findings of the enquiry on cultivation practices are summarised in this chapter. It starts with a brief discussion on size of ownership holdings of the field-crop cultivator households, i.e. those engaged in raising field crops. This is followed by an overview of the crop composition in terms of area devoted to different groups of crops. The spread of 'seed-fertiliser-water' technology is then discussed in some detail. Finally, the survey results indicating the extent of mechanisation of cultivation are discussed in terms of use of tractors, power tillers and harvesters.

4.2 Field-crop cultivation

4.2.1 The present enquiry on cultivation practices is confined to the study of field-crop cultivation. The practices followed in plantation, horticulture, etc., are thus excluded from the purview of this study. The survey was conducted during a period of six months, viz. January-June 1998, while the data were required to be collected on crops cultivated during the agricultural year 1997-98. Thus a large part of the sample was surveyed before the completion of *rabi* cultivation in the reference agricultural year. In all such cases, the data on *rabi* cultivation are based on the cultivator's plans for the coming *rabi* season, as reported on the date of survey, and his experiences during the last *rabi* season.

4.2.2 In recent times, farmers, especially those with a fair amount of land, have shown an increasing tendency to raise a number of different crops in an agricultural year. Collection of data separately on all the crops raised by such farmers during an agricultural year demands considerable amounts of time and resources which can be afforded only in surveys devoted entirely to cultivation practices. The present enquiry being just a small component of the survey conducted in the NSS 54th round, it was decided to restrict the collection of crop-level details to only the five most important of all the field-crops cultivated by a sample household during the agricultural year. When a sample household was found to have grown more than five field crops, the field staff was required to record the details of only the *five major crops*, identified on the basis of value of produces. Thus, all the estimates on cultivation of field-crops presented in this report are based on data recorded on **at most five field-crops for each sample household**. The estimates of cropped area based on these data are called ‘area under 5 major crops’ through out this report. Besides the details of field -crops cultivated by a household, data on the total net sown area (NSA) and area sown more than once during the agricultural year were also collected from each household. For this report, the households reporting some amount of NSA during the agricultural year are treated as cultivator households. Thus, the category ‘cultivator households’ includes also those households who were reported to have some area under orchards or plantations but none devoted to cultivation of seasonal crops. As distinct from a cultivator household, **a field-crop cultivator (FCC) household is defined as one which reported cultivation of at least one field crop during the agricultural year.**

Table T1: Cultivator and Field-crop cultivator household and average area cultivated

| Item | India estimate |
|--|----------------|
| 1. Estimated number of cultivator households (00) | 825,058 |
| 2. Estimated number of FCC households (00) | 821,388 |
| 3. Percentage of cultivator households to all households | 61.2 |
| 4. Percentage of FCC households to all households | 60.9 |
| 5. Average NSA per FCC household (ha) | 1.25 |
| 6. Average area sown more than once per FCC household (ha) | 0.57 |
| 7. Gross cropped area (GCA) per FCC household (ha) | 1.82 |
| 8. Area under 5 major crops per FCC household (ha) | 1.75 |
| 9. Percentage of area under 5 major crops to GCA | 96% |

4.2.3 The national-level estimates relating to NSA and area under field-crops recorded in the survey are given in Table T1. It reveals that almost all the cultivator households had raised some field-crops during the agricultural year 1997-98. The percentage of cultivator households (61.2%) was marginally higher than that of FCC households (60.9%).

4.2.4 The percentage of cultivator households, estimated from the present survey, however, appears to be some what on the lower side when compared to the estimated percentage of operating households (80%) based on the Land And Livestock Holdings Survey (LHS) of the NSS 48th round (1991-92). In the LHSs of the NSSO, the category ‘operating households’ includes all those households which carry out any kind of agricultural production during the reference agricultural year. Besides those raising any kind of crop, it included the households

engaged solely in other agricultural activities like animal husbandry, pisciculture, etc. From the estimates of LHS 1991-92, given in Table T2, it appears that field-crops were raised outside homestead in about three-fourths of the operational holdings. Since, 80% of the households were operating households¹, the percentage of households raising field-crops outside homestead works out to about 60% – a figure close enough to the percentage of cultivator households estimated in the present survey. Thus, it appears like that in the present survey, raising of seasonal or field-crops in kitchen gardens or in any other part of the homestead was not considered while recording cultivation of field-crops. There was no clear guidelines in this respect in the instructions manual for the field staff.

Table T2: Percentage distribution of operational holdings reporting different types of agricultural production (1991-92)

| | India |
|-------------------------------|------------------------|
| agricultural activity | percentage of holdings |
| <i>only in homestead:</i> | |
| poultry or livestock only | 7.6 |
| kitchen garden only | 1.6 |
| any other combination | 13.8 |
| <i>total within homestead</i> | 24.1 |
| <i>outside homestead:</i> | |
| raising field crops | 75.9 |
| <i>Total</i> | 100.0 |

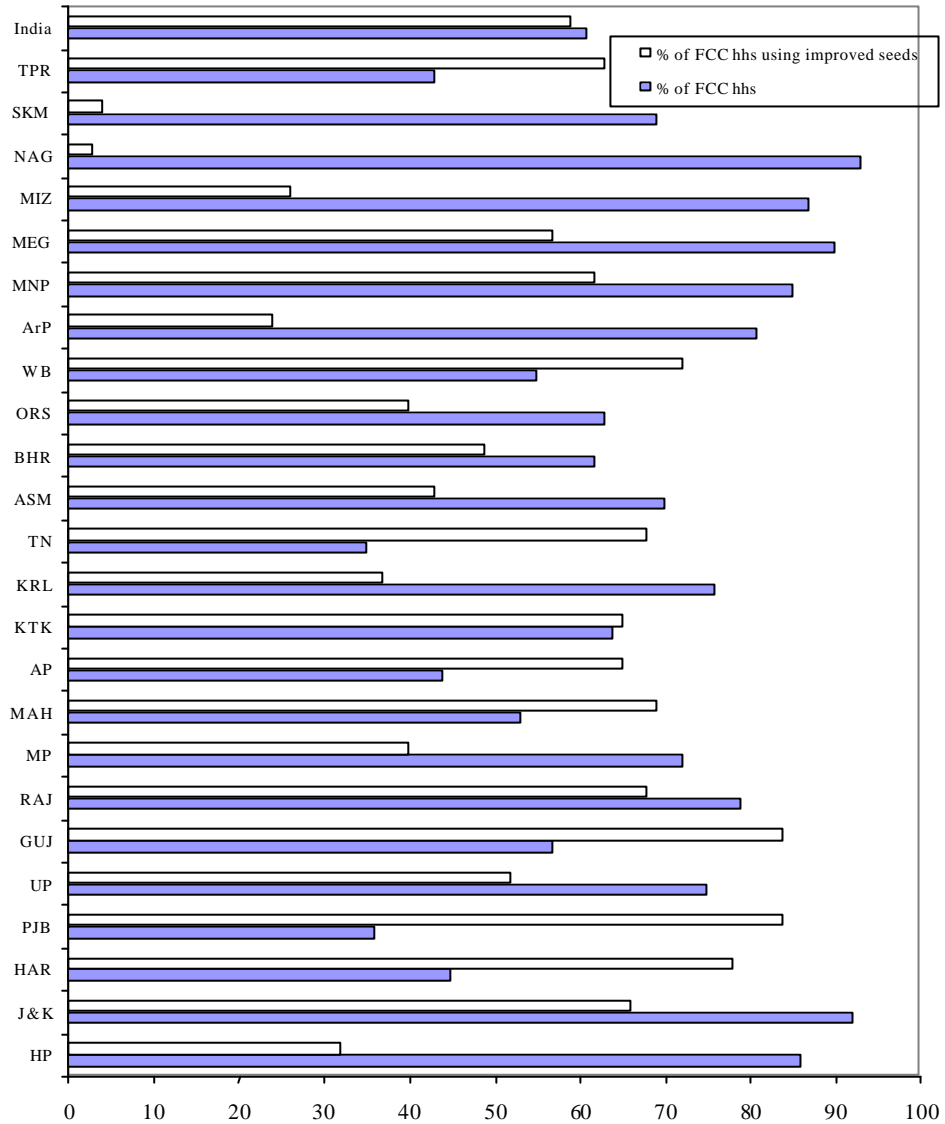
4.2.5 Table T1 also shows that, on an average, a FCC household had a NSA of 1.25 ha, GCA of 1.82 ha and area under 5 major crops of 1.75 ha. Significantly, it is seen that the share of area under 5 major crops (henceforth called AFMC) in the GCA is as high as 96%. Besides the area under crops other than the five most important ones recorded in the present survey, the GCA includes area under orchards and plantations of the households. Thus, it appears that the restriction of recording details of at the most five crops for a sample household has led to an under-coverage, only a small part of the total cropped area under field crops.

4.2.6 The percentages of cultivator and field-crop cultivator households, given in Table T3, show that field crops were raised by virtually every cultivator household in all the States, except Kerala. A perceptible difference between the percentages of cultivator households (79%) and FCC households (76%) was found only in Kerala, which has about two-thirds of its NSA under plantation crops like rubber, black pepper and coconut².

¹ Source: NSS Report No. 408: *Livestock and Agricultural Implements in Household Operational Holdings*, NSS 48th Round, 1992

² Reference: *Area, Production and Yield of Principal Crops, 1993-94*, DES, M/o Agriculture.

Figure 1
Percentage of FCC households using improved seeds
percentage of FCC households by



4.2.7 Table T3 also gives the percentage of AFMC in GCA for each State. It is seen that the share of AFMC in GCA was about 90% or more in all the States, except for some of the North-eastern hill States and Kerala. Relatively high shares of AFMC in GCA were found in Himachal Pradesh (98%), Rajasthan (96%), Madhya Pradesh(96%) and Mizoram (96%).

4.2.8 Another feature of significance revealed by the table is that the five lowest percentages of FCC households were observed in Tamil Nadu (35%), Punjab (36%), Tripura (43%), Andhra Pradesh (44%) and Haryana (45%). The estimates relating to use of improved cultivation practices, discussed later in this chapter, indicate more extensive spread of advanced agricultural technology in all these States, except Tripura, than in the rest of the country. In fact, the percentage of FCC households and the percentage of households using improved variety of seeds for cultivation appear to be negatively related, as indicated by Figure 1.

Table T3: Percentage of cultivator households and field-crop cultivator (FCC) households, and percentage of area under 5 major crops(AFMC)

| state | Percentage of | | percentage of AFMC to GCA |
|-------------------------------------|---------------|------------|------------------------------|
| | FCC | cultivator | |
| <i>North Himalyan</i> | | | |
| Himachal Pradesh | 86 | 86 | 98 |
| Jammu & Kashmir | 92 | 92 | 93 |
| <i>North</i> | | | |
| Haryana | 45 | 45 | 93 |
| Punjab | 36 | 36 | 95 |
| Uttar Pradesh | 75 | 75 | 92 |
| <i>North-West</i> | | | |
| Gujarat | 57 | 57 | 91 |
| Rajasthan | 79 | 79 | 96 |
| <i>West & Central</i> | | | |
| Madhya Pradesh | 72 | 72 | 96 |
| Maharashtra | 53 | 53 | 92 |
| <i>South</i> | | | |
| Andhra Pradesh | 44 | 44 | 91 |
| Karnataka | 64 | 64 | 93 |
| Kerala | 76 | 79 | 78 |
| Tamil Nadu | 35 | 35 | 88 |
| <i>East & North-East Plains</i> | | | |
| Assam | 70 | 71 | 91 |
| Bihar | 62 | 62 | 91 |
| Orissa | 63 | 64 | 95 |
| West Bengal | 55 | 56 | 94 |
| <i>North-East Hills</i> | | | |
| Arunachal Pradesh | 81 | 81 | 63 |
| Manipur | 85 | 85 | 79 |
| Meghalaya | 90 | 90 | 88 |
| Mizoram | 87 | 87 | 96 |
| Nagaland | 93 | 93 | 80 |
| Sikkim | 69 | 69 | 87 |
| Tripura | 43 | 44 | 76 |
| India | 61 | 61 | 93 |

Note: AFMC stands for the area under five major crops as described in para 4.2.5.

4.3 Distributions of field-crop cultivator households and cultivated area by ownership

holding of land

4.3.1 A characteristic feature of the Indian agricultural sector is the high inequality in the distribution of land and material assets. The persistent nature of the unequal distribution of land is borne out by the results of the decennial Land and Livestock Holdings Surveys of the NSSO as well as the quinquennial Agricultural Census organised by the Ministry of Agriculture. The results of the present survey too reflect this feature of the agrarian structure.

4.3.2 In Appendix I, a classification of households based on eight size classes of household ownership holding of land has been used for the tables presenting survey results by ownership of land. Here, in order to explore the determining role of farm size in adoption of improved techniques of cultivation in different States, the eight size classes are merged into five broader size-groups along the lines adopted in the Agricultural Census of India. The five size groups are follows :

| category | ownership of land |
|-------------|------------------------|
| marginal | : less than 1.01 ha |
| small | : 1.01 - 2.00 ha |
| semi-medium | : 2.01 - 4.00 ha |
| medium | : 4.01 - 10.00 ha |
| large | : larger than 10.00 ha |

The size groups will hence for the be called *categories* of ownership holdings.

4.3.3 Table T4 gives percentage distribution of the field-crop cultivator (FCC) households and of the AFMC by size class of ownership holding. The table clearly reveals a highly uneven distribution of the AFMC – a close approximation of gross cropped area during the agricultural year 1997-98 – among the FCC households of India. In fact, the inequality must have been more acute than what the table reflects. Owing to reasons mentioned earlier, the collection of data on cultivation was restricted to five most important crops reported by a household in the sample. Thus, the area under five major crops should necessarily be less than the gross cropped area under the field-crops cultivated by the household, particularly when the number of field crops cultivated exceeded five.

4.3.4 This limitation notwithstanding, the estimates given in Table T4 reflect the degree of inequality in cultivated area. It is seen that while about 40% of the bottom FCC households had cultivated only about 10% of the total area under five major crops, the top 7% of the FCC households had a share exceeding 31%.

4.3.5 Another important feature of Indian agriculture revealed by Table T4 is the predominance of marginal farmers. About 62% of the FCC households, it is seen, belonged to the marginal category, owning one hectare or less of land. Together with the FCC households in the ‘small’ category, they constituted over four-fifths of the total FCC households, and their combined share in the AFMC was just about 45%. At the other end less than 1% of the FCC households belonged to the category ‘large’, but their share in the area was more than 8%.

Table T4: Percentage distribution of FCC households and of the AFMC by size class of ownership holding

| size-class (ha) | India | | | |
|--------------------|----------------------------|------|---------------------------------------|------|
| | percentage distribution of | | cumulative percentage distribution of | |
| | FCC | AFMC | FCC | AFMC |

Table T5: Percentage distribution of AFMC and FCC households by size category of ownership holding

| state | estimate | Marginal | small | semi-medium | medium | large | all sizes |
|-------------------|----------|----------|-------|-------------|--------|-------|-----------|
| Himachal Pradesh | H | 78 | 15 | 6 | 1 | 0 | 100 |
| | R | 49 | 26 | 17 | 6 | 1 | 100 |
| Jammu & Kashmir | H | 81 | 14 | 5 | 1 | 0 | 100 |
| | R | 51 | 27 | 18 | 5 | 0 | 100 |
| Haryana | H | 38 | 26 | 21 | 14 | 2 | 100 |
| | R | 15 | 18 | 25 | 30 | 11 | 100 |
| Punjab | H | 31 | 29 | 22 | 16 | 4 | 100 |
| | R | 8 | 17 | 24 | 33 | 18 | 100 |
| Uttar Pradesh | H | 71 | 17 | 8 | 3 | 0 | 100 |
| | R | 35 | 25 | 22 | 15 | 2 | 100 |
| Gujarat | H | 47 | 21 | 18 | 12 | 2 | 100 |
| | R | 15 | 17 | 26 | 33 | 10 | 100 |
| Rajasthan | H | 38 | 22 | 20 | 16 | 4 | 100 |
| | R | 11 | 13 | 22 | 34 | 19 | 100 |
| Madhya Pradesh | H | 36 | 28 | 24 | 11 | 1 | 100 |
| | R | 10 | 20 | 31 | 30 | 9 | 100 |
| Maharashtra | H | 42 | 27 | 19 | 11 | 2 | 100 |
| | R | 13 | 21 | 27 | 30 | 10 | 100 |
| Andhra Pradesh | H | 59 | 21 | 13 | 7 | 1 | 100 |
| | R | 24 | 21 | 23 | 23 | 8 | 100 |
| Karnataka | H | 45 | 28 | 16 | 10 | 2 | 100 |
| | R | 14 | 23 | 24 | 28 | 12 | 100 |
| Kerala | H | 92 | 6 | 1 | 1 | 0 | 100 |
| | R | 56 | 22 | 11 | 8 | 4 | 100 |
| Tamil Nadu | H | 72 | 18 | 8 | 3 | 0 | 100 |
| | R | 38 | 27 | 20 | 14 | 2 | 100 |
| Assam | H | 59 | 28 | 10 | 2 | 0 | 100 |
| | R | 28 | 36 | 26 | 10 | 0 | 100 |
| Bihar | H | 73 | 17 | 7 | 3 | 0 | 100 |
| | R | 35 | 25 | 21 | 13 | 6 | 100 |
| Orissa | H | 73 | 18 | 7 | 2 | 0 | 100 |
| | R | 39 | 27 | 20 | 9 | 4 | 100 |
| West Bengal | H | 85 | 11 | 4 | 0 | 0 | 100 |
| | R | 58 | 25 | 15 | 3 | 0 | 100 |
| Arunachal Pradesh | H | 53 | 22 | 13 | 12 | 1 | 100 |
| | R | 26 | 23 | 24 | 22 | 5 | 100 |
| Manipur | H | 80 | 17 | 4 | 1 | 0 | 100 |
| | R | 61 | 26 | 11 | 2 | 0 | 100 |
| Meghalaya | H | 64 | 20 | 14 | 3 | 0 | 100 |
| | R | 34 | 25 | 30 | 12 | 0 | 100 |
| Mizoram | H | 87 | 11 | 2 | 1 | 0 | 100 |
| | R | 80 | 14 | 5 | 1 | 0 | 100 |
| Nagaland | H | 19 | 24 | 41 | 16 | 1 | 100 |
| | R | 5 | 14 | 37 | 41 | 4 | 100 |
| Sikkim | H | 78 | 15 | 7 | 1 | 0 | 100 |
| | R | 50 | 26 | 20 | 3 | 1 | 100 |

Table T6: Distribution of sample households by size-category of ownership holding

| state | size-category of ownwership holding | | | | | all |
|-------------------|-------------------------------------|-------|-----------------|--------|-------|-------|
| | marginal | small | semi- medium | medium | large | |
| Andhra Pradesh | 1461 | 499 | 347 | 164 | 25 | 2496 |
| Arunachal Pradesh | 293 | 125 | 90 | 86 | 8 | 602 |
| Assam | 1405 | 582 | 205 | 42 | 0 | 2234 |
| Bihar | 3422 | 781 | 331 | 111 | 14 | 4659 |
| Gujarat | 742 | 338 | 282 | 200 | 30 | 1592 |
| Haryana | 207 | 138 | 116 | 77 | 13 | 551 |
| Himachal Pradesh | 1284 | 241 | 99 | 22 | 7 | 1653 |
| Jammu & Kashmir | 1192 | 242 | 84 | 17 | 0 | 1535 |
| Karnataka | 911 | 522 | 308 | 184 | 28 | 1953 |
| Kerala | 2025 | 116 | 29 | 10 | 2 | 2182 |
| Madhya Pradesh | 1473 | 1108 | 954 | 434 | 62 | 4031 |
| Maharashtra | 1153 | 739 | 527 | 287 | 40 | 2746 |
| Manipur | 567 | 140 | 34 | 6 | 0 | 747 |
| Meghalaya | 562 | 193 | 136 | 29 | 0 | 920 |
| Mizoram | 427 | 54 | 16 | 3 | 0 | 500 |
| Nagaland | 151 | 177 | 356 | 136 | 8 | 828 |
| Orissa | 1556 | 378 | 146 | 32 | 3 | 2115 |
| Punjab | 273 | 254 | 190 | 133 | 33 | 883 |
| Rajasthan | 989 | 583 | 539 | 451 | 124 | 2686 |
| Sikkim | 539 | 92 | 42 | 4 | 1 | 678 |
| Tamil Nadu | 1385 | 321 | 136 | 42 | 3 | 1887 |
| Tripura | 439 | 40 | 16 | 2 | 0 | 497 |
| Uttar Pradesh | 5207 | 1205 | 606 | 226 | 19 | 7263 |
| West Bengal | 2467 | 302 | 97 | 9 | 1 | 2876 |
| India | 30354 | 9215 | 5712 | 2716 | 422 | 48419 |

4.4 Crop Composition

4.4.1 Crop diversification forms an important component of the strategy of agricultural development, adopted in the 8th Plan, for improving the economic conditions of small and marginal farmers. While primary information on area under principal crops is regularly published by the Ministry of Agriculture, there are hardly any data on crop-diversification by size of farm or on number of crops raised by a cultivator in an agricultural year. The present enquiry provides some basic data essential for appraising the level of crop diversification as a part of present cultivation practices. The present enquiry was, however, designed to collect detailed information on field crops raised by a farmer-household during the agricultural year 1997-98. For item purpose, crops reported by a farmer were recorded in codes using a classification of twelve broad crop-groups, viz.:

1. Paddy
2. Wheat
3. Other Cereals
4. Pulses

5. Oilseeds 6. Mixed crops 7. Sugar Cane 8. Vegetables
9. Fodder 10. Fruits & nuts 11. Other cash-crops 12. Others

4.4.2 If a crop was raised more than once in different seasons of the agricultural year, crop during each season was considered a separate crop, while the same crop grown during a particular season, even if on more than one plot, was treated as single crop. However, although the data collection was restricted to a maximum of five major crops raised by a sample household the estimates based on them, covering about 93% of the GCA (see Table T3), are expected to provide a fair idea of crop diversification in farms of various sizes. The *kharif* and *rabi* paddy are taken as a separate crops, since raising of *rabi* paddy, by itself, is a sign of diversification.

Table T7: Crop-groupwise percentage of FCC households and AFMC

| crop group | crop-groupwise percentage of | |
|-------------------------|------------------------------|------------------|
| | FCC hhs | AFMC cultivating |
| Paddy: <i>kharif</i> | 57 | 25 |
| : <i>rabi</i> | 7 | 3 |
| :total | - | 28 |
| Wheat | 44 | 21 |
| other cereals | 34 | 16 |
| <i>total cereals</i> | - | 64 |
| Pulses | 25 | 8 |
| <i>total foodgrains</i> | - | 72 |
| Oilseeds | 18 | 9 |
| mixed crop | 7 | 4 |
| sugar cane | 6 | 2 |
| Vegetables | 16 | 2 |
| Fodder | 12 | 2 |
| fruits & nuts | 5 | 1 |
| other cash crops | 12 | 7 |
| Others | 4 | 1 |
| <i>all crops</i> | - | 100 |

4.4.3 Based on the data on five major crops reported by the sample households, the percentage distribution of the AFMC by crop-group and number of households cultivating a crop in the crop-group FCC household are given in Table T7. It may be observed that

- (1) 72% of the AFMC was under foodgrains alone, with the cereal crop-groups accounting for 64%.
- (2) *Kharif* paddy and wheat were sown in 25% and 21% of the AFMC, respectively, while other cereals covered 16% . Percentage share of *rabi* paddy was, however, low (3%).
- (3) Among other crops, pulses and oilseeds covered 8% and 9% of AFMC, respectively.
- (4) About 57%, 44% and 34% of FCC households reported cultivation of *kharif* paddy, wheat and 'other cereals', respectively, indicating that quite a sizeable percentage of FCC households were engaged in cereal production. As for the other crop-groups, about 25%

of the FCC households reported cultivation of pulses, 18% cultivation of reported oilseeds and 16% reported cultivation of vegetables.

Table T8: Percentage distribution of AFMC by crop-group

| size class (ha) | paddy | | wheat | other cereals | pul- ses | food grains | oil seeds | mixed crop | sugar cane | vege- tables | fod- der | fruits & nuts | other cash crop | other | India |
|--------------------|--------|------|-------|------------------|-------------|----------------|--------------|---------------|---------------|-----------------|-------------|---------------------|-----------------------|-------|-------|
| | kharif | rabi | | | | | | | | | | | | | total |
| nil (<0.01) | 41 | 4 | 13 | 14 | 6 | 79 | 6 | 2 | 1 | 7 | 2 | 1 | 2 | 1 | 100 |
| 0.01 - 0.20 | 35 | 4 | 24 | 9 | 4 | 77 | 3 | 2 | 1 | 5 | 2 | 3 | 7 | 1 | 100 |
| 0.21 - 0.50 | 37 | 5 | 23 | 13 | 5 | 82 | 4 | 2 | 1 | 3 | 2 | 1 | 4 | 1 | 100 |
| 0.51 - 1.00 | 35 | 4 | 21 | 13 | 6 | 79 | 5 | 2 | 2 | 3 | 2 | 1 | 4 | 1 | 100 |
| 1.01 - 2.00 | 29 | 3 | 21 | 15 | 7 | 75 | 8 | 3 | 2 | 2 | 2 | 1 | 5 | 1 | 100 |
| 2.01 - 4.00 | 24 | 2 | 21 | 17 | 8 | 72 | 10 | 3 | 3 | 2 | 2 | 1 | 6 | 1 | 100 |
| 4.01 - 10.00 | 16 | 2 | 20 | 19 | 10 | 66 | 12 | 5 | 2 | 1 | 3 | 1 | 9 | 2 | 100 |
| 10.01 & above | 12 | 0 | 19 | 20 | 11 | 62 | 15 | 4 | 1 | 1 | 3 | 1 | 12 | 1 | 100 |
| all classes | 25 | 3 | 21 | 16 | 8 | 72 | 9 | 4 | 2 | 2 | 2 | 1 | 7 | 1 | 100 |

4.4.4 Table T8 gives the percentage distribution of AFMC by crop-group separately for each size-class of ownership holding. The table reveals the following features of crop cultivation in farms of varying sizes:

1. In all size classes, foodgrains have a predominant share (60% or more) in AFMC.
2. The higher the size-class the lower had the percentage of AFMC under foodgrains – a phenomenon found to be generally true, leaving apart only the ‘virtually landless’ class of “0.01 ha or less”. *kharif* paddy and wheat together played a determining role in this respect, particularly for their dominant share in the AFMC under foodgrains.
3. Contrary to the pattern observed for foodgrains, pulses were cultivated by larger percentages of FCC households in the higher size-classes. For “other cereals’ and oilseeds, the table reveals similar patterns. However, for all these crop-groups, the percentages of AFMC in ‘virtually landless’ class did not conform to these patterns.

4.4.5 Cultivation of crops in different size-classes of holding: The percentages of FCC

Table T9: Percentage of FCC households reporting cultivation of crops in different crop-groups for each size-class

| size class (ha) | paddy <i>khari</i> | paddy <i>rabi</i> | wheat | other cereals | pulses | oil seeds | mixed crop | sugar cane | vege- tables | fodder | fruits & nuts | other cash | other |
|--------------------|-----------------------|----------------------|-------|------------------|--------|--------------|---------------|---------------|-----------------|--------|---------------------|---------------|-------|
| nil (<0.01) | 69 | 8 | 25 | 26 | 13 | 7 | 6 | 2 | 30 | 4 | 5 | 4 | 4 |
| 0.01 - 0.20 | 54 | 7 | 36 | 16 | 8 | 6 | 4 | 1 | 18 | 3 | 13 | 10 | 5 |
| 0.21 - 0.50 | 65 | 9 | 44 | 28 | 19 | 12 | 4 | 4 | 14 | 7 | 4 | 7 | 3 |
| 0.51 - 1.00 | 63 | 9 | 44 | 32 | 25 | 16 | 6 | 7 | 17 | 11 | 4 | 10 | 4 |
| 1.01 - 2.00 | 56 | 7 | 46 | 40 | 31 | 23 | 8 | 8 | 16 | 15 | 3 | 14 | 4 |
| 2.01 - 4.00 | 48 | 6 | 49 | 48 | 37 | 31 | 10 | 9 | 15 | 19 | 3 | 17 | 5 |
| 4.01 - 10.00 | 35 | 4 | 50 | 56 | 43 | 38 | 14 | 9 | 10 | 24 | 3 | 26 | 6 |
| 10.01 & above | 29 | 2 | 49 | 68 | 48 | 47 | 13 | 6 | 11 | 32 | 6 | 35 | 8 |
| all sizes | 57 | 7 | 44 | 34 | 25 | 18 | 7 | 6 | 16 | 12 | 5 | 12 | 4 |

households cultivating crops in different crop-groups are shown in Table T9 for each size-class of holding. The following features of the table deserve to be noted:

1. Cereal crops were cultivated by a large percentage of FCC households, irrespective of the size-class of holding.
2. The higher the size of holding, the higher was the percentage of FCC households cultivating wheat, 'other cereals', pulses, oilseeds, 'mixed crop', sugarcane, 'fodder' 'other cash crops' and 'other crops,' except for the 'nil' class in a few cases . However, for both *khari* paddy and *rabi* paddy, the pattern was the opposite, i.e., the higher the size-class the lower was the percentage of FCC households cultivating paddy.
3. There was no strong evidence of any clear association between the size-class and the percentage of FCC households growing vegetables and 'fruits & nuts'.

4.4.6 *Average number of crops cultivated:* Table T10 gives average number of crop groups (ACG) cultivated by a FCC household for each size-class of holding during the agricultural year 1997-98. The estimates of ACG show an increase with a rise in size of holdings with the exception of the 'nil' class. As noted earlier, the estimate for the 'nil' class are not as robust as those for the other classes, as they are based on a much smaller sample size as compared to the other size classes. [See Appendix Table (10).]

| Table T10: Average number of crops (ACG) cultivated by a FCC household | |
|--|-------|
| | India |
| size class (ha) | ACG |
| nil (< 0.01) | 2.03 |
| 0.01 - 0.20 | 1.80 |
| 0.21 - 0.50 | 2.20 |
| 0.51 - 1.00 | 2.48 |
| 1.01 - 2.00 | 2.70 |
| 2.01 - 4.00 | 2.97 |
| 4.01 - 10.00 | 3.19 |
| 10.01 & above | 3.53 |
| all sizes | 2.12 |

4.4.7: *Inter-State variation in crop composition:* State-level variation in crop composition is shown in Table T11. The table reveals:

1. Foodgrains production accounted for 50% or more in AFMC in all States, except for Kerala and Gujarat. In Kerala, about 44% of the AFMC was under 'other cash crops' and over 17% under 'fruits & nuts' whereas foodgrains covered only 22%. In Gujarat, foodgrain covered 48%, oilseeds 18% and 'other cash crop' 19%.
2. All the States of the east and the north-east plains had a relatively high percentages of AFMC under foodgrain crops. In fact, Orissa (96%) and Bihar (92%) were the two States with highest shares under foodgrains. In all the other States of this region, the percentage of AFMC under foodgrains was well above that at national the level. Assam, West Bengal and some N-E hill States showed significant proportions of AFMC under *rabi* paddy, which is also observed for Tamil Nadu.

4.4.8 *InterState variation in share of foodgrains in AFMC & size of holdings:* The percentage of AFMC by category of holdings for all the States and for all India is shown in Table T12. The following observations emerge from the table:

1. The north-western States, viz. Gujarat & Rajasthan, reveal a strong negative association between percentage of AFMC under foodgrains and size-class – the decline being much sharper in Gujarat than in Rajasthan. In fact, the declining trend is the sharpest in Gujarat among all the States. For the States like Madhya Pradesh, Maharashtra, Andhra Pradesh also show such a declining trend.

2. For States of the northern region, viz. Punjab, Haryana and Uttar Pradesh, no definite pattern is visible in the percentage of AFMC under foodgrains against different size classes. For Punjab and Haryana, in particular, a rising pattern is observed for marginal, small and semi-medium categories, which slopes downward for medium and large categories. For Uttar Pradesh, the pattern observed is different from that observed for Punjab and Haryana.

Table T11: Percentage distribution of AFMC by crop group for each state

| state | paddy | | wheat | other cereals | pulses | food grain | oil seeds | mixed crop | sugar cane | Vegetables | fodder | fruit & nuts | other cash crop | all other crops | |
|-------------------------------------|-------|------|-------|---------------|--------|------------|-----------|------------|------------|------------|--------|--------------|-----------------|-----------------|-----|
| | khari | rabi | | | | | | | | | | | | | |
| <i>North Himalayan</i> | | | | | | | | | | | | | | | |
| Himachal Pr. | 8 | 0 | 42 | 34 | 2 | 85 | 1 | 0 | 0 | 2 | 1 | 5 | 4 | 1 | 100 |
| J & K | 29 | 1 | 27 | 13 | 3 | 72 | 9 | 0 | 0 | 6 | 5 | 7 | 1 | 2 | 100 |
| <i>North</i> | | | | | | | | | | | | | | | |
| Haryana | 19 | 0 | 38 | 9 | 5 | 71 | 7 | 0 | 1 | 1 | 9 | 0 | 6 | 4 | 100 |
| Punjab | 28 | 1 | 44 | 2 | 0 | 75 | 0 | 0 | 0 | 1 | 10 | 0 | 13 | 1 | 100 |
| Uttar Pradesh | 24 | 1 | 38 | 11 | 8 | 81 | 3 | 2 | 6 | 2 | 4 | 0 | 1 | 1 | 100 |
| <i>North-West</i> | | | | | | | | | | | | | | | |
| Gujarat | 8 | 1 | 12 | 22 | 5 | 48 | 18 | 6 | 3 | 2 | 4 | 1 | 19 | 1 | 100 |
| Rajasthan | 1 | 0 | 20 | 33 | 12 | 66 | 12 | 8 | 0 | 0 | 3 | 0 | 7 | 3 | 100 |
| <i>West & Central</i> | | | | | | | | | | | | | | | |
| Madhya Pr. | 24 | 1 | 26 | 10 | 11 | 71 | 19 | 4 | 0 | 1 | 1 | 0 | 3 | 1 | 100 |
| Maharashtra | 10 | 0 | 7 | 38 | 10 | 65 | 6 | 4 | 3 | 2 | 1 | 2 | 17 | 1 | 100 |
| <i>South</i> | | | | | | | | | | | | | | | |
| Andhra Pr. | 31 | 10 | 0 | 11 | 9 | 60 | 16 | 5 | 2 | 1 | 1 | 2 | 10 | 2 | 100 |
| Karnataka | 10 | 2 | 2 | 38 | 12 | 64 | 15 | 6 | 2 | 2 | 1 | 2 | 8 | 1 | 100 |
| Kerala | 14 | 5 | 0 | 2 | 0 | 22 | 5 | 5 | 0 | 3 | 0 | 17 | 44 | 4 | 100 |
| Tamil Nadu | 28 | 17 | 0 | 15 | 6 | 66 | 7 | 2 | 5 | 3 | 1 | 5 | 9 | 3 | 100 |
| <i>East & North-East Plains</i> | | | | | | | | | | | | | | | |
| Assam | 60 | 13 | 3 | 1 | 4 | 81 | 2 | 0 | 1 | 12 | 0 | 0 | 0 | 3 | 100 |
| Bihar | 49 | 1 | 29 | 6 | 7 | 92 | 2 | 1 | 1 | 2 | 0 | 0 | 1 | 0 | 100 |
| Orissa | 80 | 3 | 0 | 3 | 9 | 96 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 100 |
| West Bengal | 56 | 15 | 6 | 1 | 1 | 79 | 4 | 0 | 0 | 8 | 0 | 1 | 8 | 2 | 100 |
| <i>North-East Hills</i> | | | | | | | | | | | | | | | |
| Arunachal Pr. | 50 | 10 | 3 | 10 | 2 | 75 | 1 | 11 | 0 | 7 | 0 | 1 | 3 | 3 | 100 |
| Manipur | 67 | 18 | 0 | 1 | 1 | 87 | 0 | 3 | 0 | 7 | 0 | 0 | 0 | 2 | 100 |
| Meghalaya | 41 | 3 | 0 | 5 | 0 | 50 | 0 | 7 | 0 | 28 | 0 | 7 | 3 | 4 | 100 |
| Mizoram | 43 | 6 | 0 | 2 | 3 | 54 | 0 | 25 | 1 | 9 | 0 | 2 | 6 | 4 | 100 |
| Nagaland | 45 | 17 | 0 | 7 | 2 | 71 | 1 | 7 | 0 | 12 | 0 | 0 | 5 | 5 | 100 |
| Sikkim | 14 | 1 | 2 | 43 | 2 | 62 | 1 | 0 | 0 | 15 | 3 | 1 | 18 | 1 | 100 |
| Triprura | 54 | 29 | 4 | 0 | 0 | 87 | 0 | 0 | 0 | 12 | 0 | 1 | 0 | 0 | 100 |

3. In the States of the east and north-east plains, the percentage of AFMC under foodgrains

Table T12: Percentage of AFMC under foodgrains by category of holdings

| state | marginal | small | semi- medium | Medium | large | all sizes |
|-------------------------------------|----------|-------|-----------------|--------|-------|-----------|
| <i>North Himalayan</i> | | | | | | |
| Himachal Pradesh | 88 | 82 | 83 | * | * | 85 |
| Jammu & Kashmir | 63 | 78 | 84 | * | - | 72 |
| <i>North</i> | | | | | | |
| Haryana | 68 | 70 | 74 | 70 | * | 71 |
| Punjab | 70 | 73 | 78 | 74 | 73 | 74 |
| Uttar Pradesh | 85 | 80 | 77 | 77 | * | 80 |
| <i>North-West</i> | | | | | | |
| Gujarat | 72 | 62 | 51 | 33 | 25 | 48 |
| Rajasthan | 74 | 68 | 67 | 63 | 63 | 66 |
| <i>West & Central</i> | | | | | | |
| Madhya Pradesh | 78 | 75 | 71 | 69 | 61 | 71 |
| Maharashtra | 73 | 68 | 68 | 60 | 54 | 65 |
| <i>South</i> | | | | | | |
| Andhra Pradesh | 72 | 66 | 57 | 54 | 35 | 60 |
| Karnataka | 68 | 63 | 65 | 62 | 60 | 64 |
| Kerala | 22 | 16 | 31 | * | * | 22 |
| Tamil Nadu | 69 | 65 | 60 | 70 | * | 66 |
| <i>East & North-East Plains</i> | | | | | | |
| Assam | 76 | 83 | 84 | 83 | - | 81 |
| Bihar | 92 | 93 | 92 | 91 | * | 92 |
| Orissa | 96 | 95 | 98 | 99 | * | 96 |
| West Bengal | 78 | 79 | 82 | * | * | 78 |
| <i>North-East Hills</i> | | | | | | |
| Arunachal Pradesh | 69 | 74 | 79 | 71 | * | 74 |
| Manipur | 84 | 89 | 92 | 86 | - | 86 |
| Meghalaya | 47 | 48 | 48 | 67 | - | 50 |
| Mizoram | 54 | 44 | 56 | * | - | 54 |
| Nagaland | 73 | 77 | 82 | 59 | * | 71 |
| Sikkim | 65 | 60 | 51 | 69 | * | 62 |
| Tripura | 86 | 89 | 85 | * | - | 87 |
| India | 80 | 75 | 72 | 66 | 62 | 72 |

Note: The '**' mark given in cell in case the number of FCC households in the sample falls below 25.

steadily increases with the holding size.

4.5 Use of Improved Seeds

4.5.1 The technological breakthrough in Indian agriculture initiated by the introduction of the short-duration HYV of food grains, especially rice and wheat, in the 1960s was restricted to

certain areas of the country for more than a decade. Moreover, apart from wheat, rice, and some improved varieties of hybrid maize, there was hardly any improved variety of seeds for other crops till the 1980s. Since then, the use of improved seeds has progressed at a fairly rapid pace covering a large part of the country as well as for a larger number of crops. But the available data on spread of improved seeds have so far been limited to HYV rice, *jowar*, *bajra*, maize, wheat and cotton. There are no data on the extent to which improved seeds for different crops are being used and by which section of farmers. The present survey provides some basic data on the extent and effectiveness of use of improved seeds by cultivators with varying holding sizes.

4.5.2 For each field crop cultivated by a sample household, the survey investigator inquired whether the seeds used were of an improved variety and if so, whether the entire crop or part of it was raised from improved seeds. Improved seeds bought from authorized seed farms are usually certified, while those bought from other sources are usually uncertified. The field officials were required to ascertain whether the improved seeds used were certified or uncertified, if purchased. In many cases, the farmers buy certified seeds once and to use the seeds grown out of them for some generations of cultivation. In all such cases, the improved seeds were treated as 'home-grown'. Table T13 gives the percentage distribution of area under different crop groups by use of improved seeds. The table provides separate estimates for use of 'cultivate', 'uncertified', 'home-grown' and 'other' kinds of improved seeds.

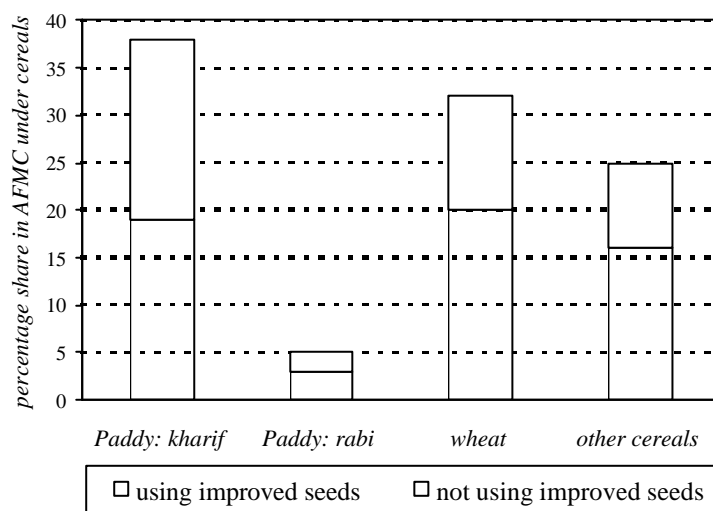
Table T13: Percentage distribution of area under improved seeds of crop group by type of seeds

| crop group | percentage distribution of area under improved seeds by type of seeds | | | | | percentage of area under improved seeds | India |
|-------------------------|---|----------------|----------------|----------|--------------|---|--|
| | certi- fied | uncer- fied | home- grown | other | all types | | percentage share of crop in AFMC |
| | | | | | | | |
| paddy (<i>kharif</i>) | 39 | 15 | 43 | 4 | 100 | 51 | 25 |
| paddy (<i>rabi</i>) | 39 | 16 | 39 | 6 | 100 | 66 | 3 |
| wheat | 46 | 13 | 38 | 2 | 100 | 63 | 21 |
| other cereals | 61 | 9 | 28 | 1 | 100 | 64 | 16 |
| pulses | 47 | 11 | 41 | 2 | 100 | 47 | 8 |
| oil seeds | 59 | 12 | 27 | 2 | 100 | 59 | 9 |
| mixed crop | 72 | 5 | 22 | 1 | 100 | 51 | 4 |
| sugar cane | 44 | 14 | 38 | 4 | 100 | 61 | 2 |
| vegetables | 63 | 20 | 26 | 4 | 100 | 53 | 2 |
| fodder | 35 | 17 | 43 | 5 | 100 | 54 | 2 |
| fruits & nuts | 49 | 20 | 24 | 8 | 100 | 48 | 1 |
| other cash crops | 76 | 12 | 11 | 2 | 100 | 82 | 7 |
| others | 47 | 29 | 19 | 5 | 100 | 45 | 1 |
| all crops | 52 | 13 | 33 | 2 | 100 | 59 | 100 |

4.5.3 From Table T13, which presents the percentage of area under improved seeds and percentage distribution of area under improved seeds by type of seeds, the following points attract attention

1. About 59% of the AFMC was cultivated with improved varieties of seeds. The range of variation between crops in area under improved seeds was small - from 47% to 66% except for 'other cash crops'.
2. Till the mid-eighties, efforts to extend the improved practices of cultivation were largely focussed on cereal crops. Thus, as expected, the percentage of AFMC under improved seeds was found to be the highest in cereal group. Except for *kharif* paddy, improved seeds were used for almost two-thirds of the area under cereal crops.
3. The share of cereal crops in the AFMC was about 65%. It is seen that *kharif* paddy had the largest share (about 38%) in the AFMC under the 'cereals' group (see Figure 2). However, as far as the use of improved seeds was concerned, *kharif* paddy showed the least percentage of area (51%) under its coverage. For *kharif* paddy, the main crop of the rain-fed agriculture of the east and north-east plains and the coastal south, the adoption of improved seeds had been less wide-spread. Besides, of the area under improved seeds, as high as 43% was cultivated with home-grown seeds, while certified seeds were used in 39% of the area.

Figure 2
Percentage share of different cereal crop-groups in AFMC under cereals



4. As for *kharif* paddy, certified seeds were used only in 46% and 39% of area under improved seeds for wheat and *rabi* paddy, respectively. For the crop group, 'other cereals', viz. *jowar*, *bajra*, maize, *ragi*, small millets and barley, area under certified seeds constituted 61% of the area under improved seeds.
5. Among foodgrains, the use of improved seeds was the least for pulses: only 47% of the area under pulses was cultivated with improved seeds. Moreover, a fairly large part (41%) of this

area was cultivated with home-grown seeds.

6. Among the other crop-groups, oilseeds, with a share of about 9% in the total AFMC, had about 59% of its area under improved seeds. The use of certified seed was also fairly high (59% of the area under improved seeds).
7. The group 'other cash crops' consists of cotton, jute, *mesta* and tobacco in this survey. Of these, cotton is undoubtedly the main. The rapid rise in cotton production in recent years³ perhaps in due to increased use of improved seeds besides the increase in acreage under cotton cultivation. This is evident from relatively high shares of 'other cash crop' in total AFMC in the States like Maharashtra, Gujarat, Andhra Pradesh, Punjab, Haryana, Karnataka and Rajasthan, as reflected in Table T11. Here also, it is worth mentioning that about 76% of the area under improved seeds was cultivated with certified seeds.

Table T14: Percentage of area under improved seeds by crop-group and size class of holding

| size class (ha) | | | | | | | | | India |
|--------------------|-----------------|---------------|-------|------------------|--------|-----------|--------|--------|--------------|
| | paddy kharif | paddy rabi | wheat | other cereals | pulses | oil seeds | fodder | others | all crops |
| nil (< 0.01) | 27 | 60 | 54 | 35 | 31 | 60 | 45 | 44 | 38 |
| 00.01 - 00.20 | 45 | 68 | 47 | 46 | 22 | 57 | 59 | 52 | 47 |
| 00.21 - 00.50 | 48 | 69 | 51 | 51 | 37 | 54 | 50 | 52 | 50 |
| 00.51 - 01.00 | 49 | 67 | 54 | 58 | 40 | 55 | 51 | 58 | 53 |
| 01.01 - 02.00 | 49 | 60 | 59 | 60 | 44 | 57 | 53 | 61 | 55 |
| 02.01 - 04.00 | 50 | 65 | 65 | 65 | 45 | 58 | 58 | 68 | 60 |
| 04.01 - 10.00 | 58 | 69 | 71 | 69 | 51 | 61 | 57 | 70 | 65 |
| 10.01 & above | 71 | 81 | 79 | 70 | 56 | 61 | 63 | 74 | 70 |
| all | 51 | 66 | 63 | 64 | 47 | 59 | 56 | 65 | 59 |

4.5.4 *Use of improved seeds and size of holding*: Percentage area under improved seeds by crop group is presented in Table T14. The estimates for 'all crops' clearly display a positive relationship between area under improved seeds and size of holding. Modern farming based largely on the use of HYV seeds, chemical fertilizers and pesticides, with an assured supply of water for irrigation, demands high investment which the smaller farmers cannot afford. The positive relationship between area under improved seeds and size of holding, therefore, reflects the relative advantage of the bigger farmers over the smaller ones.

4.5.5 The table also reveals that, in about two-thirds of the area under *rabi* paddy, improved variety of seeds was used uniformly across all size classes. On the other hand, area under improved seeds for *kharif* paddy increased progressively with the rise of holding size. Similar patterns were also observed for crop-groups like wheat, 'other cereals', pulses and fodder.

³ The cotton production has risen from 9.7 mill. bales in 1991-92 to 14.3 mill. bales in 1996-97.
Source: *Agricultural Statistics at a glance, 1997*, Ministry of Agriculture

4.5.6 *Crop-groupwise use of improved seeds*: The percentage areas under improved seeds by crop-group in different States are presented in Table T15.

1. For *kharif* paddy, the most important single crop-group in the country by its share in the total cropped area, the use of improved seeds varies widely from 4% to 90% of the area. The major rice-growing States of the south, north-west and north, each having about 20% or more of their total cropped area under *kharif* paddy, are Andhra Pradesh, Tamil Nadu, Kerala, Karnataka, Gujarat, Punjab and Haryana [see Table T11]. The use of improved seeds in all these States was found to be more extensive than in the States of the east and north-east in general. Only the state of West Bengal, in the east, came closer to these States in this respect. Madhya Pradesh, another major rice-growing state, had a very restricted use of improved seeds for cultivation of *kharif* paddy. Significantly, Manipur, Meghalaya and Tripura of the north-east hills had a moderately high percentages of area under *kharif* paddy under improved seeds.

Table T15: Percentage of area under improved seeds by crop-group and state

| state | paddy <i>kharif</i> | paddy <i>rabi</i> | wheat | other cereals | pulses | oil seeds | fodder | other | all crops |
|-------------------|------------------------|----------------------|-------|------------------|--------|--------------|--------|-------|--------------|
| Himachal Pradesh | 36 | 31 | 33 | 27 | 26 | 8 | 27 | 42 | 32 |
| Jammu & Kashmir | 69 | 92 | 72 | 51 | 60 | 54 | 63 | 69 | 66 |
| Haryana | 87 | 76 | 84 | 82 | 27 | 80 | 52 | 82 | 78 |
| Punjab | 90 | 51 | 87 | 54 | 43 | 73 | 71 | 79 | 84 |
| Uttar Pradesh | 51 | 64 | 58 | 44 | 34 | 47 | 63 | 52 | 52 |
| Gujarat | 77 | 79 | 90 | 86 | 81 | 71 | 50 | 95 | 84 |
| Rajasthan | 31 | 85 | 78 | 67 | 62 | 76 | 52 | 61 | 68 |
| Karnataka | 76 | 67 | 43 | 68 | 51 | 69 | 39 | 60 | 65 |
| Kerala | 77 | 72 | 100 | 23 | 29 | 14 | 0 | 28 | 37 |
| Madhya Pradesh | 21 | 69 | 46 | 51 | 31 | 52 | 26 | 49 | 40 |
| Maharashtra | 39 | 82 | 60 | 72 | 50 | 60 | 43 | 88 | 69 |
| Andhra Pradesh | 79 | 72 | 66 | 69 | 71 | 40 | 46 | 59 | 65 |
| Tamil Nadu | 72 | 70 | 89 | 64 | 73 | 71 | 38 | 64 | 68 |
| Assam | 41 | 38 | 80 | 50 | 25 | 34 | 40 | 52 | 43 |
| Bihar | 43 | 72 | 62 | 46 | 33 | 38 | 27 | 50 | 49 |
| Orissa | 36 | 55 | 54 | 38 | 59 | 33 | 0 | 60 | 40 |
| West Bengal | 73 | 72 | 70 | 81 | 69 | 68 | 2 | 71 | 72 |
| Arunachal Pradesh | 21 | 36 | 93 | 28 | 45 | 19 | 0 | 16 | 24 |
| Manipur | 65 | 66 | 100 | 58 | 68 | 4 | 44 | 35 | 61 |
| Meghalaya | 64 | 55 | 80 | 59 | 40 | 100 | 42 | 52 | 57 |
| Mizoram | 37 | 0 | 0 | 2 | 3 | 0 | 5 | 21 | 26 |
| Nagaland | 4 | 2 | 0 | 10 | 0 | 11 | 0 | 2 | 3 |
| Sikkim | 14 | 4 | 18 | 3 | 0 | 0 | 0 | 0 | 4 |
| Tripura | 61 | 66 | 91 | 0 | 0 | 0 | 0 | 58 | 63 |
| India | 51 | 66 | 63 | 64 | 47 | 59 | 56 | 65 | 59 |

Note: The '*' mark given in cell in case the number of FCC households in the sample falls below 25.

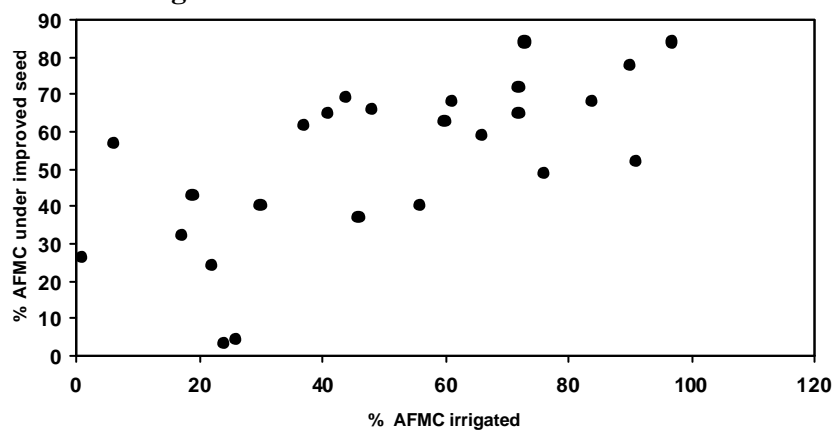
2. The States of Andhra Pradesh, Tamil Nadu, Assam, West Bengal, Arunachal Pradesh, Manipur, Nagaland and Tripura, each of which had about 10% or more of its area under *rabi* paddy [see Table T11], had more than 60% of their area under improved seeds. Assam

- (38%), Arunachal Pradesh (36%), and Nagaland (2%).
- All the States of the north, north-west, east and north-east plains, Jammu & Kashmir and Arunachal Pradesh had quite high percentages of areas under improved wheat seeds.
 - The crop-group 'other cereals' is important for both the north-Himalayan States, Uttar Pradesh, all the States of the north-west, the south (except Kerala), the west and central India. Sikkim was the only State in the north-east reporting high percentage(43%) of its AFMC under 'other cereal' [see Table T11]. Use of improved seeds for cultivating 'other cereals', which was very low in Himachal Pradesh and Sikkim, and low in Jammu & Kashmir, Uttar Pradesh and Madhya Pradesh, was found to vary within a small range of 64% in Tamil Nadu to 86% in Gujarat.
 - Among the major pulse-producing States like Uttar Pradesh, Rajasthan, Karnataka, Madhya Pradesh, Maharashtra, Andhra Pradesh and Orissa, the percentage of area under improved seeds was relatively low in Uttar Pradesh and Madhya Pradesh, whereas in Andhra Pradesh, it was quite extensive.
 - Gujarat, Rajasthan, Karnataka, Madhya Pradesh and Andhra Pradesh were the only States having 10% of total cropped area under 'oilseeds'(see Table T11). Among these States, the percentage of area under improved seeds varied from 40% in Andhra Pradesh to 76% in Rajasthan. It was also high in Gujarat. Significantly, though only 7% of the AFMC in Haryana and Tamil Nadu was under 'oilseeds', the use of improved varieties of seeds was found to be very high in these two States. In fact, the percentage (80%) was the highest in Haryana.

4.6 Use of Inputs for Modern Cultivation

4.6.1 The strategy adopted in the Fourth Plan to combat the prevalent food crisis was based on an extensive use of HYV seeds and a package of improved practices, including application

Figure 3
Statewise percentage of AFMC cultivated with improved seeds and AFMC irrigated



of chemical fertilisers and pesticides. This has resulted in a rapid growth in foodgrain production during the last three decades. Today, improved cultivation practices are followed for a wide variety of crops over a large part of the country. But, while use of fertilisers and pesticides has played a vital role in agricultural growth, it has also raised issues of grave concern to the environmentalists and social scientists. Besides their impact on production, little is known of their effect on the other spheres. The data required to assess the extent of their use are either not available or scanty. The annual data on aggregate consumption of fertilisers, pesticides, weedicides and high quality seeds that are available do not reflect the extent of their use for different crops or by different sections of farmers. The present survey attempts to generate estimates of certain basic parameters relating to the use of these inputs.

4.6.2 In the present survey, some categorical data on the use of these inputs were collected for each of the major crops (a maximum of five) reported by a sample household. The estimates presented in this report being based on these data do not represent rates like quantity per unit area, etc.. They simply indicate broad features of their use, like proportions of area on which fertilisers, pesticides and weedicides were used entirely or partly or were not at all.

Table T16: Percentages of area under a crop group reporting use of improved seeds, chemical fertilisers, manure, weedicides and pesticides

| crop | improved seeds | fertilisers | manure | either or both* | India | |
|-------------------------|----------------|-------------|--------|-----------------|------------|------------|
| | | | | | weedicides | pesticides |
| paddy (<i>kharif</i>) | 51 | 83 | 77 | 94 | 26 | 52 |
| paddy (<i>rabi</i>) | 66 | 89 | 73 | 94 | 35 | 74 |
| wheat | 63 | 93 | 72 | 98 | 28 | 44 |
| other cereals | 64 | 71 | 79 | 91 | 14 | 32 |
| pulses | 47 | 65 | 67 | 84 | 12 | 39 |
| oil seeds | 59 | 82 | 71 | 93 | 23 | 52 |
| mixed crop | 51 | 60 | 67 | 81 | 31 | 38 |
| sugar cane | 61 | 96 | 86 | 99 | 30 | 51 |
| vegetables | 59 | 77 | 76 | 92 | 21 | 59 |
| fodder | 56 | 73 | 67 | 86 | 16 | 29 |
| fruits & nuts | 48 | 71 | 73 | 84 | 23 | 56 |
| other cash crops | 82 | 91 | 78 | 97 | 24 | 76 |
| others | 45 | 66 | 59 | 74 | 24 | 41 |
| all crops | 59 | 81 | 74 | 93 | 22 | 47 |

* "either or both" means "either of manures and fertilisers or both"

4.6.3 For modern cultivation, it is necessary to test the soil of cultivation fields so that appropriate manures and/or fertilisers could be used. But at national level, only 3.4% of cultivator households reported that they have tested soil of their fields in a soil testing laboratory. Again, half of the households reported testing of soil have followed the recommendations of the testing. [See Appendix Table (11).] Thus, the extent of soil testing is quite negligible. The need for testing of soil of cultivation fields is yet to gain ground in the country.

4.6.4 Table T16 gives the percentages of area under a crop group reported use of improved seeds, chemical fertilisers etc. The percentages shown against 'all crops', evidently, represent the percentages of AFMC. It is seen that the soil of over four-fifths of the AFMC was treated with fertilisers and about three-fourths with manure. Either fertilisers or manure were applied on 93%, pesticides on about half and weedicides on almost a fourth of the AFMC. It is evident from the percentages of area under improved seeds (59%) and area treated with chemical fertilisers (81%) that use of chemical fertilisers was not restricted to crops raised from improved seeds alone. The estimates indicate that there was at least 22% of the cropped area on which the traditional variety of crops was raised with use of fertilisers. In other words, of the cropped area sown with the traditional variety (41%), at least over half was treated with fertilisers.

4.6.5 This appears to be true not only in aggregate but also for each individual crop-group, as the percentage of area treated with fertilisers invariably exceeds that under improved seeds. This phenomenon is most pronounced for the crop-groups sugar cane, wheat and 'other cash crops'. It is seen that fertilisers were used on the area under each of them irrespective of the variety of seeds used.

4.6.6 With the growing awareness of the adverse effects of chemical fertilisers, the need for greater use of organic manures to substitute chemical fertilisers has been recognised in recent years. The estimates given in the table reflect the present practice of nutrient management by the farmers. It is seen that, in general, chemical fertilisers were used more extensively than organic manures. The difference between the percentages of area treated with chemical fertilisers and organic manures was most pronounced for the crop-groups wheat, *rabi* paddy and 'other cash crops'. Perceptibly wider use of manure than fertilisers was found only for the crop-groups 'mixed crop' and 'other cereals'.

4.6.7 The percentages of area under crops on which pesticides were applied reflect a fair degree of dependence of the improved varieties of crops on pesticides. However, the use of pesticides is found to have been, in general, less extensive than the use of improved seeds, with *rabi* paddy standing out as a clear exception. For *rabi* paddy, it appears, the use of pesticides was not restricted only to improved varieties.

4.6.8 As distinct from pesticides, which are applied to ward off pests and plant diseases, weedicides are used to suppress weeds that use up the nutrients from the soil leaving the crop undernourished. Moreover, unlike the use of pesticides, the use of weedicides replaces the weeding operations dependent on human labour. The most extensive use of weedicides was found in the cultivation of *rabi* paddy. Table T16 shows that 35% of the area under *rabi* paddy was treated with weedicides and herbicides. The use of weedicides was also found to be as high for the crop-groups 'mixed crops' and sugarcane. Among the crop-groups with relatively high shares in AFMC, viz. the cereal crop-groups other than *rabi* paddy, pulses and oilseeds, weedicides were most widely used for wheat cultivation, followed by cultivation of *kharif* paddy. For the crop-groups 'other cereals' and pulses, weedicides were used in a small percentage of area under them.

4.6.9 *Spread of modern farming*: Table T17 presents state-specific percentages of area

under five major crops reporting the use of improved seeds, chemical fertilisers, etc.

1. The estimates corroborate the widely held view that the progress of adoption of improved technology in agriculture has been uneven in different parts of the country. The table indicates that the States of Punjab and Haryana in the north and Gujarat in the north-west have progressed better than the rest of the country in this respect. At the other end, all the States of the east and north-east, except West Bengal, Tripura and Bihar, are lagging far behind.

Table T17: Percentage of area under five major crops in different States reporting use of improved seeds, chemical fertilisers, manure, weedicides, pesticides and irrigation

| state | improved seeds | fertilisers | manure | either or both* | weedicides | pesticides | irrigation |
|------------------------------|----------------|-------------|--------|-----------------|------------|------------|------------|
| <i>North Himalayan</i> | | | | | | | |
| Himachal Pradesh | 32 | 77 | 98 | 100 | 8 | 15 | 17 |
| Jammu & Kashmir | 66 | 92 | 86 | 99 | 21 | 32 | 48 |
| <i>North</i> | | | | | | | |
| Haryana | 78 | 89 | 53 | 92 | 61 | 59 | 90 |
| Punjab | 84 | 99 | 69 | 100 | 79 | 88 | 97 |
| Uttar Pradesh | 52 | 92 | 74 | 97 | 17 | 28 | 91 |
| <i>North West</i> | | | | | | | |
| Gujarat | 84 | 95 | 93 | 99 | 31 | 76 | 73 |
| Rajasthan | 68 | 61 | 76 | 88 | 10 | 26 | 61 |
| <i>West & Central</i> | | | | | | | |
| Madhya Pradesh | 40 | 73 | 69 | 89 | 20 | 38 | 56 |
| Maharashtra | 69 | 79 | 72 | 91 | 13 | 49 | 44 |
| <i>South</i> | | | | | | | |
| Andhra Pradesh | 65 | 94 | 86 | 97 | 22 | 82 | 72 |
| Karnataka | 65 | 82 | 83 | 95 | 23 | 55 | 41 |
| Kerala | 37 | 67 | 72 | 86 | 14 | 38 | 46 |
| Tamil Nadu | 68 | 88 | 84 | 95 | 51 | 84 | 84 |
| <i>East & North-East</i> | | | | | | | |
| <i>Plains</i> | | | | | | | |
| Assam | 43 | 48 | 54 | 68 | 13 | 30 | 19 |
| Bihar | 49 | 84 | 66 | 93 | 18 | 48 | 76 |
| Orissa | 40 | 65 | 88 | 92 | 15 | 35 | 30 |
| West Bengal | 72 | 94 | 73 | 97 | 26 | 84 | 72 |
| <i>North East Hills</i> | | | | | | | |
| Arunachal Pradesh | 24 | 16 | 12 | 23 | 4 | 27 | 22 |
| Manipur | 62 | 58 | 50 | 71 | 21 | 60 | 37 |
| Meghalaya | 57 | 18 | 36 | 45 | 10 | 26 | 6 |
| Mizoram | 26 | 3 | 3 | 5 | 0 | 2 | 1 |
| Nagaland | 3 | 6 | 55 | 57 | 34 | 18 | 24 |
| Sikkim | 4 | 22 | 85 | 86 | 1 | 4 | 26 |
| Tripura | 63 | 70 | 84 | 90 | 54 | 70 | 60 |

| | | | | | | | |
|-------|----|----|----|----|----|----|----|
| India | 59 | 81 | 74 | 93 | 22 | 47 | 66 |
|-------|----|----|----|----|----|----|----|

Note: * "either or both" means 'either of manures and fertilisers or both'

2. Punjab and Haryana demonstrated a close association between the use of improved practices and the development of modern irrigation system. The use of seeds, fertilisers, weedicides, pesticides and irrigation facilities were all very high or moderately high. In Uttar Pradesh, the other State of this region, the level of adoption was as high, in terms of the percentages of AFMC reporting use of these inputs, but for some of the inputs, the percentages were clearly lower than even the national average.
3. In the north-west, the adoption of improved technology in Gujarat resembled closely that in Punjab and Haryana, while Rajasthan's performance was not really impressive.
4. The southern States, except Kerala, are characterised by a moderately high use of improved seeds, and a moderate to high use of pesticides and irrigation.
5. Maharashtra and Madhya Pradesh have shown close resemblance in the use of these inputs, except that improved seeds were more extensively used in Maharashtra. In all other respects, these two States appeared to fall below the national average.
6. Wider use of fertilisers than manures, indicated by the difference in percentages of AFMC reporting their use, was observed to be the most pronounced in the three States of the north and the States of Bihar and West Bengal in the East. In contrast, manure was used more extensively than fertilisers in Orissa and Rajasthan.
7. The AFMC under irrigation seemed to have a bearing on the area under improved seeds almost in all the States. The more (less) the percentage of AFMC under irrigation, the more (less) was the percentage of AFMC under improved seeds barring a few exceptions. (See Figure 3)

4.7 Use of Irrigation

4.7.1 The close association between the spread of improved cultivation practices and the use of irrigation, which is clearly demonstrated in the preceding section, confirms the widely held view that irrigation is one of the crucial factors in the input package for cultivation based on improved seeds. Its role in fostering technological change in agriculture in Punjab, Haryana and western Uttar Pradesh during the 1960s and 1970s and in States like Tamil Nadu, Gujarat and West Bengal in more recent times, is now well recognised. This apart, irrigation plays a protective as well as productive role in traditional cultivation as well. The present survey attempts to provide an insight in to what one can broadly understand from the aggregate data on irrigation available as a part of agricultural statistics in India. It seeks to answer questions concerning issues like 'uneven spread of public irrigation facilities, particularly canals', 'relative importance of private irrigation resources in supplementing public investments', and 'dependence of farmers on irrigation services hired from privately-owned facilities in canal and non-canal areas'.

4.7.2 For each of the five major crops reported by a household, the use of irrigation was

ascertained and when the response was found to be in the affirmative, it was enquired whether or not any irrigation services were hired from other households. The estimates on the use of irrigation presented in the report are based mainly on the responses to these two questions, along with the area under the crop. In addition, a village-level item of information pertaining to availability of water from government irrigation canals has also been used for this report. It also contains estimates on ownership of irrigation facilities like dugwell, tubewell and pump sets and their remaining idle due to low water level or lack of fuel or lack of electricity.

4.7.3 Table T18 gives certain estimates indicating the extent of use of irrigation and availability of public and private irrigation facilities. Besides the estimates from the present surveys, the table also includes some comparable estimates obtained from other sources.

4.7.4 The estimated percentage of irrigated area in AFMC is 65% according to the present survey. But it is seen that this estimate diverges considerably from the percentage of total irrigated area to total cropped area (37%) for the agricultural year 1993-94, as given by the Ministry of Agriculture. It is indeed unacceptable that the spread of irrigation has progressed at such a pace as these two estimates suggest. One can identify the following plausible reasons for this divergence:

Table T18: Percentage of total cropped area irrigated and availability of irrigation facilities

| | | India | |
|----|--|--------------------------|----------|
| | item | source | estimate |
| 1. | percentage of irrigated area in AFMC (1997-98) | NSS 54th round | 66 |
| | <i>comparable estimates :</i> | | |
| | <i>percentage of GCA irrigated (1993-94)</i> | LUS*, M/O Agriculture | 37 |
| | <i>Percentage of GCA irrigated (1991-92)</i> | NSS 48th round (derived) | 51 |
| 2. | percentage share of villages with Govt. canal (1997-98) in area under 5 major crops (AFMC) | NSS 54th round | 26 |
| 3. | Percentage of FCC households owning dugwell/tubewell | - do - | 29 |
| 4. | percentage of FCC households owning (1997-98) | - do - | |
| | (i) electric pump | | 13 |
| | (ii) diesel pump | | 13 |
| 5. | percentage of (all) households owning (1997-98) | - do - | |
| | (i) electric pump | | 8 |
| | (ii) diesel pump | | 8 |
| | <i>comparable estimates :</i> | | |
| | <i>number of pumps per 100 households: (1991-92)</i> | NSS 48th round | |
| | (i) electric | | 6 |
| | (ii) others | | 7 |
| 6. | percentage of pump-owning households reporting pump sets remaining idle due to lack of fuel/electricity | NSS 54th round | |
| | (i) electric pump | | 48 |
| | (ii) diesel pump | | 14 |
| 7. | percentage of households owning dugwell/tubewell reporting well/tubewell remaining idle due to low water levels. | - do - | 26 |

* 'LUS' stands for Land Use Statistics

- (a) Over-representation of irrigated area in the coverage of AFMC in the present survey seems likely. Most of the crops which were reported but not recorded owing to the restriction on the number of crops to be recorded, must have been relatively less important. Thus it is likely that the crops grown on area not covered in AFMC were more often unirrigated than irrigated.
- (b) Orchards and plantation areas were excluded from the coverage of the present enquiry as it pertains only to field-crop cultivation.
- (c) The field-staff was required to record the area under a crop reported by the household as 'irrigated' even when only a part of it was actually irrigated.

4.7.5 The first two reasons can easily be ignored as the coverage of the AFMC, in the present survey, falls short of the GCA by only about 7% [see Table T3], which is far too small to explain the divergence. There is, however, the possibility of under-reporting of cropped area, particularly of the less important unirrigated plots, by the respondents. There are reasons to believe that the respondents tend to under-report area of land in NSSO surveys, as these are carried out through personal interviews without making any use of the official records. The GCA estimated in the present survey is found to be less than the corresponding figure of the Ministry of Agriculture for 1993-94 by about 22%.⁴

Table T19: Estimates of LHS 1991-92 (NSS, 48th Round) used for deriving percentage of GCA irrigated in rural areas

| item | India estimate |
|---|-------------------|
| 1. area operated (mha) | 125.10 |
| 2. percentage of operated area: | |
| (a) unirrigated & cropped once | 35.31 |
| (b) unirrigated & cropped more than once | 11.59 |
| (c) irrigated & cropped once | 10.93 |
| (d) irrigated & cropped twice | 22.97 |
| (e) irrigated & cropped more than twice | 1.49 |
| 3. NSA (mha) unirrigated and cropped | |
| (a) once | 44.17 |
| (b) more than once | 14.50 |
| 4. NSA (mha) irrigated and cropped | |
| (a) once | 13.67 |
| (b) twice | 28.74 |
| (c) more than twice | 1.86 |
| 5. GCA (mha) unirrigated (approx.) [3(a) + twice 3(b)] | 73.17 |
| 6. GCA (mha) irrigated (approx.) [4(a) + twice 4(b) + thrice 4(c)] | 76.73 |
| 7. GCA (approx.) [(5) + (6)] | 149.90 |

⁴ The GCA estimates in the present survey is only about 144 mha, whereas that given by the Ministry of Agriculture is about 184 mha for 1993-94.

8. Percentage of irrigated GCA (approx.)

51

Source : NSS Report No. 407: *Some aspects of operational holdings.*

4.7.6 The percentage of irrigated area in the AFMC estimated in the present survey, however, compares better with the broadly comparable figure derived from the estimates of the Land and Livestock Holding Survey (LHS) of the NSS 48th round (1991-92). An approximate estimate of the percentage of GCA irrigated, derived from the survey estimates of operated area cropped with irrigation and that without irrigation of the LHS, 1991-92, is found to be about 51% [see Table T19]. But the derived estimate too suffers from the limitation that a plot irrigated once during the agricultural year has been considered to be irrigated for all the crops raised on it, for deriving the figure. Thus the figure for the percentage of irrigated GCA derived from the estimates of the LHS, 1991-92, in fact, gives an upper bound.

4.7.7 Like the derived estimate from LHS, 1991-92, the estimated percentage of irrigated AFMC obtained from the present survey can be said to be on the higher side owing to reason (c) cited in para 4.7.4. Though the elements of over-estimation embodied in the two estimates are of unknown magnitudes, the difference between them suggests a fair degree of increase in the use of irrigation during the six-year period ending 1997-98. The increasing percentage of households owning pump sets provides further evidence in its favour.

4.7.8 Item 5 of Table T18 shows that while the percentages of households owning electric pump sets and those owning diesel pump sets were both 8 in 1997-98, the number of electric pump sets and that of diesel pump sets per 100 households were 6 and 7 respectively, in 1991-92. Since a household may own more than one pump set, the number of pump sets per 100 households should be greater than the percentage of households owning pump sets at any point of time. Given the growth of population and households even in rural India between 1991-92 and January- June 1998, the difference between the estimates of the two rounds indicates a marked rise in privately owned irrigation facilities during the period of 6 years and suggests a growing use of irrigation for cultivation of field crops.

4.7.9 Besides pump sets, privately owned irrigation facilities comprises all dugwells and tubewells owned by the households. It is seen that about 29% of the FCC households relied on at least one of them for irrigation.

4.7.10 The farmers with privately-owned irrigation facilities are expected to have assured supply of water for irrigation at their command. But uncertain power supply or non-availability of fuel or low ground-water level limits the use of equipment for quite some time during a year. Table T18 shows that among the FCC households owning an electric pump set, 48% had to keep it idle for at least sometime during the 365 days preceding the date of survey. Similarly, among those who owned an oil-driven pump set, about 14% could not use it due to lack of fuel. Again, 26% of the households with a privately-owned dugwell or tubewell reported that it had remained unused for some time during last 365 days due to low ground water level.

4.7.11 About the public irrigation facilities, only the village-level information on the availability of water from government irrigation canals is used in this report. It is seen from item 2 of Table T18 that the share of villages with a government canal in the AFMC was about 26%.

4.7.12 *Inter-State variation in modern irrigation facilities:* Modern capital intensive irrigation systems have emerged during the second half of the present century and have contributed significantly to agricultural growth in many parts of the country. They can be classified into two broad categories. First, the large or medium scale storage- and gravity-based distribution through a network of canals is represented, in this report, by the availability of government canal in the village. Its maintenance and management falls in the domain of public governance. Second, the tubewell system, using pump sets for exploiting subsoil water resources, is mostly privately owned. Table T20 shows the availability of these categories of irrigation facilities and percentage of the AFMC irrigated in different States. The villages with government irrigation canals will be referred to as “canal areas” in the rest of this chapter.

Table T20: Percentage of AFMC irrigated and availability of irrigation facilities

| State | irrigated AFMC | NSA in canal areas | percentage of | | |
|--------------------------------------|----------------|--------------------|--|-------------------------|-----|
| | | | cultivator households owning well/Tubewell | households owning pumps | |
| | | | | electric | oil |
| <i>North Hindayan</i> | | | | | |
| Himachal Pradesh | 17 | 3 | 3 | 1 | 1 |
| Jammu & Kashmir | 48 | 42 | 5 | 1 | 1 |
| <i>North</i> | | | | | |
| Haryana | 90 | 58 | 52 | 28 | 30 |
| Punjab | 97 | 60 | 73 | 38 | 51 |
| Uttar Pradesh | 91 | 30 | 23 | 21 | 5 |
| <i>North-West</i> | | | | | |
| Gujarat | 73 | 19 | 42 | 24 | 21 |
| Rajasthan | 61 | 16 | 50 | 24 | 20 |
| <i>West & Central</i> | | | | | |
| Madhya Pradesh | 56 | 17 | 28 | 8 | 20 |
| Maharashtra | 44 | 18 | 34 | 4 | 29 |
| <i>South</i> | | | | | |
| Andhra Pradesh | 72 | 32 | 36 | 6 | 30 |
| Karnataka | 41 | 25 | 23 | 2 | 19 |
| Kerala | 46 | 31 | 61 | 2 | 14 |
| Tamil Nadu | 84 | 31 | 49 | 15 | 33 |
| <i>East & North -East Plains</i> | | | | | |
| Assam | 19 | 3 | 27 | 3 | 1 |
| Bihar | 76 | 26 | 21 | 15 | 2 |
| Orissa | 30 | 30 | 8 | 2 | 1 |
| West Bengal | 72 | 26 | 19 | 12 | 1 |
| <i>North-East Hills</i> | | | | | |
| Arunachal Pradesh | 22 | 17 | 7 | 4 | 3 |
| Manipur | 37 | 23 | 11 | 10 | 4 |
| Meghalaya | 6 | 0 | 3 | 0 | 1 |
| Mizoram | 1 | 0 | 0 | 1 | 0 |
| Nagaland | 24 | 0 | 7 | 1 | 0 |
| Sikkim | 26 | 10 | 0 | 1 | 0 |
| Tripora | 60 | 13 | 19 | 4 | 2 |

4.7.13 All the three northern States reported more than 90% of their AFMC irrigated, but the available irrigation facilities, whether public or privately owned, varied considerably. In Punjab and Haryana, the two agriculturally most developed States of the country, about 60% of the NSA was in the canal areas, while the figure for Uttar Pradesh was just 30%. In respect of percentages of cultivator households owning pump sets, wells and tubewells too, the difference between Uttar Pradesh and the other two States was quite pronounced.

4.7.14 Relatively high percentages of the irrigated AFMC were observed also in two southern States, viz. Tamil Nadu(84%) and Andhra Pradesh(72%). In both these States, nearly a third of the NSA was in canal areas. In Tamil Nadu, relatively large percentages of cultivator households owned electric and oil pump sets. In the other two States of the south, percentages of irrigated AFMC as well as percentages of cultivator households owning pump sets were much lower the national average.

4.7.15 In the east, West Bengal and Bihar had moderately high percentages of irrigated AFMC while Assam and Orissa were much worse off in this respect. Significantly, the share of canal areas in the total NSA of Orissa(30%) was higher than that in West Bengal(26%) and Bihar(26%), but the percentages of households owning electric and oil pump sets in Orissa were among the lowest in the country. It appears that the cultivators of Orissa were more dependent on government canals than on privately owned facilities for irrigation. On the other hand, it appears that for the small proportion of the AFMC that was irrigated in Assam, the main source was manually operated dugwells.

4.7.16 In the north-western States of Gujarat and Rajasthan, with relatively high percentages of AFMC irrigated, the dependence was more on privately owned tubewells and pump sets than on government irrigation canals. In Maharashtra and Madhya Pradesh also, the dependence was more on privately owned facilities, though much lower percentage of the AFMC was irrigated. In general, it is seen that the use of modern irrigation systems was much less common in the other regions.

4.7.17 *Hiring of irrigation services in canal and non-canal areas:* There are, at present, no data reflecting the role of private investment in supplementing the public efforts in irrigating the cultivable land in the country. The data on sources of irrigation and ownership of pumps and tubewells, available from the LHSs of the NSSO as well as the Agricultural and Livestock Censuses of the Ministry of Agriculture, provide only a partial picture. A large part of the cultivated land today is irrigated by hiring services from private sources, either in the form of water purchased or pump sets taken on hire. In the present enquiry, data on hiring of irrigation services from other households were collected from all the FCC households in the sample. The estimated percentages of the AFMC irrigated by hiring services from other households are given in Table T21 separately for canal and non-canal areas of all the States. However, Meghalaya and Mizoram are omitted from the table, as only very small parts of their AFMC was reported to have been irrigated. Again, the table does not include separate estimates for canal and non-canal areas of Himachal Pradesh, Assam and Nagaland, as the proportion of NSA in canal areas was 3% or less in these States. These estimates are excluded from the table, because they

Table T21: Percentage of AFMC irrigated using services hired from other households

| state | percentage of irrigated AFMC using hired services | | | irrigated AFMC |
|-------------------------------------|---|-----------------|-----|----------------|
| | canal areas | non-canal areas | All | |
| <i>North Himalayan</i> | | | | |
| Himachal Pradesh | * | * | 14 | 17 |
| Jammu & Kashmir | 3 | 7 | 5 | 48 |
| <i>North</i> | | | | |
| Haryana | 40 | 37 | 39 | 90 |
| Punjab | 18 | 21 | 19 | 97 |
| Uttar Pradesh | 61 | 69 | 67 | 91 |
| <i>North-West</i> | | | | |
| Gujarat | 45 | 35 | 38 | 73 |
| Rajasthan | 17 | 30 | 28 | 61 |
| <i>West & Central</i> | | | | |
| Madhya Pradesh | 18 | 34 | 30 | 56 |
| Maharashtra | 10 | 20 | 18 | 44 |
| <i>South</i> | | | | |
| Andhra Pradesh | 33 | 35 | 34 | 72 |
| Karnataka | 6 | 23 | 17 | 41 |
| Kerala | 7 | 7 | 7 | 46 |
| Tamil Nadu | 24 | 25 | 25 | 84 |
| <i>East & North-East Plains</i> | | | | |
| Assam | * | * | 31 | 19 |
| Bihar | 60 | 71 | 69 | 76 |
| Orissa | 18 | 37 | 27 | 30 |
| West Bengal | 57 | 72 | 67 | 72 |
| <i>North-East Hills</i> | | | | |
| Arunachal Pradesh | 31 | 7 | 15 | 22 |
| Manipur | 62 | 37 | 46 | 37 |
| Nagaland | * | * | 2 | 24 |
| Sikkim | 4 | 4 | 4 | 26 |
| Tripura | 23 | 33 | 33 | 60 |
| India | 40 | 49 | 46 | 66 |

are not expected to be stable or reliable.

4.7.18 It is seen that for 46% of the irrigated AFMC in the country, irrigation was hired from other households. As expected, the cultivators in the canal areas were less dependent on the hired private sources than in the non-canal areas. The percentage of the AFMC irrigated by hiring services from other households was appreciably higher in the non-canal areas (49) than in the canal areas (40).

4.7.19 The phenomenon of buying water or hiring irrigation services was most pronounced in Bihar (69%), West Bengal (67%) and Uttar Pradesh (67%). In fact, these were the only States with the percentages of AFMC irrigated by hiring the services from other households exceeded

the national average. Among these three States, the percentage was perceptibly higher in the non-canal areas than in the canal areas, the difference being the most pronounced in West Bengal. Among other States, a considerably higher percentages of AFMC irrigated by hiring services in the canal areas than in the non-canal areas were observed in Orissa, Karnataka, Rajasthan, Madhya Pradesh and Maharashtra. In contrast, the percentages were found to be higher in the canal areas of Manipur, Gujarat, Arunachal Pradesh and Haryana than in the non-canal areas.

4.8 Mechanisation in Agriculture

4.8.1 The beginning of mechanisation in Indian agriculture can be traced to the early 1960s. Since then it has progressed at a fairly rapid pace. But certain important forms of farm mechanisation are known to have remained largely concentrated in certain pockets, commonly called 'green revolution' areas. The estimates obtained from the decennial LHSs of the NSSO, which are reproduced in Table T22⁵, clearly depict the development of mechanised cultivation in terms of ownership of modern machinery like tractors, power tillers and pump sets. These

Table T22: Estimated number of tractors, power tillers and pumps in different NSS rounds

| | | | India |
|-----------------------------------|------------------------|------------------------|------------------------|
| farm equipment | 71-72 (26th) | 81-82 (37th) | 91-92 (48th) |
| tractor (000) | 75 | 486 | 1,363 |
| power tiller (000) | - | 249 | 513 |
| pumps – electric & oil (mill.) | 5 | 11 | 16 |

estimates, indicate a rapidly rising trend in the number of modern farm equipment owned but, do not provide a good measure of their actual use. A large number of farmers hire in the services of tractors, power tillers and harvesters from those who own them. Thus, the actual use of modern farm machinery is much wider than what the data on ownership of equipment suggest. The present survey provides some data on actual use of modern farm machinery, either hired or owned. The percentage of rural households reporting use of a tractor or power tiller was 25% in the present survey. This reflects a phenomenal rise in the use of tractors and power tillers during the last three decades, since the percentage of households using tractors or power tillers estimated in the NSS 22nd Round (1967-68) was merely 1.17%.⁶

⁵ These estimates are quoted from NSS Report No. 408, 'Livestock and Agricultural Implements in Household Operational Holdings', NSS 48th Round, 1992.

⁶ Note: This estimate is taken from NSS Report No. 202, based on the survey on cultivation practices conducted in the 22nd Round of NSS with agricultural year 1967-68 as the reference period.

4.8.2 For each of the five important crops cultivated by a sample household, it was enquired whether the household had used any tractor or power-tiller, and if so whether it had been taken on hire. The estimates on use of tractors and power tillers given in these reports are all based on responses to these two questions. Table T23 gives the percentage of AFMC tilled with tractors or power tillers and indicates what part of it was taken on hire separately for each size-class of holdings. It is important to note that the estimates presented in this table represent the percentage of the AFMC entirely or partly tilled with tractors or power tillers. It is seen from Table (5) of Appendix I that about a third of the AFMC tilled with hired tractors or power tillers was actually tilled partially with machines. Of the mechanically-tilled AFMC without using hired services, partial tilling with tractor or power tiller was reported in only about 10%. Though the distinction between 'partly used' and 'entirely used' is important, only the percentages of mechanically-tilled AFMC, whether partly or entirely, are discussed in this chapter.

Table T23 : Percentage of AFMC tilled with tractor / power tiller and use of hired tractors and power tillers

| size-class (ha) | percentage of AFMC tilled with tractors /power tillers | | | India |
|-----------------|--|--------|-----|---|
| | hired | others | all | p.c. of tractor-tilled AFMC tilled with hired tractors* |
| | | | | |
| nil (< 0.01) | 42 | 8 | 50 | 84 |
| 0.01 - 0.20 | 44 | 3 | 47 | 94 |
| 0.21 - 0.50 | 44 | 3 | 46 | 96 |
| 0.51 - 1.00 | 41 | 3 | 44 | 93 |
| 1.01 - 2.00 | 41 | 5 | 46 | 90 |
| 2.01 - 4.00 | 40 | 12 | 52 | 77 |
| 4.01 -10.00 | 37 | 26 | 63 | 59 |
| 10.01 &above | 29 | 52 | 81 | 36 |
| all sizes | 39 | 15 | 54 | 72 |

* 'Tractors' stand for 'tractors & power tillers'

4.8.3 It is seen that about 54% of the AFMC was tilled mechanically, either with tractors or power tillers. Significantly, hired tractors and power tillers were used in about three-fourths of the mechanically-tilled AFMC. Tilling land with hired equipment was extensive in all the size-classes, including the 'large' category, with over 90% of the mechanically-tilled AFMC in the 'marginal' and 'small' holding categories. A sizeable part of the AFMC, ranging from 44% to 50%, in the 'small' and 'marginal' holdings, was mechanically tilled.

4.8.4 *Inter-state variation in the use of tractors and power tillers:* The percentages of AFMC tilled with tractors or power tillers and the proportion of it tilled with hired services are given in Table T24 separately for each State. It also shows the estimated number of tractors and power tillers per 10,000 households obtained from the LHS, NSS 48th Round. However, the States of Meghalaya, Mizoram, Nagaland and Sikkim are excluded from the table, as

Table T24: Percentage of mechanically-tilled AFMC and use of hired tractors and power tillers

| state | p.c. of tractor-tilled AFMC | p.c. of tractor-tilled AFMC with hired tractors* | no. of tractors/power tillers per 10,000 ha of operated area (1992)* | |
|-------------------|-----------------------------|--|--|--------------|
| | | | tractor | power tiller |
| Himachal Pradesh | 15 | 93 | 53 | 3 |
| Jammu & Kashmir | 36 | 89 | 27 | 6 |
| Haryana | 94 | 57 | 387 | 317 |
| Punjab | 97 | 34 | 1024 | 584 |
| Uttar Pradesh | 76 | 79 | 215 | 58 |
| Gujarat | 67 | 72 | 103 | 0 |
| Rajasthan | 89 | 79 | 91 | 10 |
| Madhya Pradesh | 36 | 63 | 73 | 12 |
| Maharashtra | 16 | 75 | 34 | 2 |
| Andhra Pradesh | 51 | 75 | 48 | 1 |
| Karnataka | 27 | 74 | 50 | 11 |
| Kerala | 15 | 73 | 3 | 15 |
| Tamil Nadu | 59 | 80 | 66 | 18 |
| Assam | 11 | 64 | 0 | 23 |
| Bihar | 48 | 75 | 59 | 25 |
| Orissa | 12 | 75 | 5 | 2 |
| West Bengal | 47 | 92 | 37 | 86 |
| Arunachal Pradesh | 9 | 44 | 3 | 0 |
| Manipur | 48 | 94 | 6 | 6 |
| Tripura | 37 | 76 | 9 | 18 |
| India | 54 | 72 | 109 | 41 |

Source: NSS Report No. 408, *Livestock and Agricultural Implements in Household Operational Holdings*, 48th Round, 1992.

mechanical tilling was reported on only an insignificant part of the cultivated area in these States.

4.8.5 The estimates of percentage of mechanically-tilled AFMC for different States clearly show that the mechanisation of Indian agriculture is largely concentrated in the States of the north and those of the north-west. In Punjab and Haryana, about 97% and 94% of the respective AFMCs were tilled entirely or partly with tractors and power tillers. Relatively high percentages of mechanically-tilled AFMC were also reported in all the other States of the north and north-west. In fact, only in these States were the estimates higher than the national-level estimate. Besides these States, large proportions of mechanically-tilled AFMC were reported

in Tamil Nadu(59%), Andhra Pradesh(51%), Bihar(48%) and West Bengal(47%). The estimates of number of tractors and power tillers per 10,000 ha of operated area obtained from the LHS, NSS 48th Round also suggest relatively high use of modern equipment for tilling the land.

4.8.6 Table T24 also gives the percentages of mechanically-tilled AFMC using hired tractors or power tillers. In general, the hiring of tractors and power tillers was reported in very high percentage of mechanically-tilled AFMC. Among the States with 10% or more of mechanically-tilled AFMC, it was low only in Punjab(34%) and Haryana (57%).

4.8.7 *Use of machines for harvesting:* The modern harvesters and harvester-combines are used for mechanical harvesting. To assess the extent to which these are used, for harvesting the crops, a question was asked to ascertain whether the harvesting for each of the five crops reported by a household was done manually or mechanically. It was also asked whether the equipment for harvesting was hired, if was done mechanically. Table T25 gives the percentage of AFMC by mode of harvesting for all the States, except the North-Himalayan and North-Eastern Hill States. Mechanical harvesting being a rare phenomenon, in general, and the estimates for these States being based on a relatively small sample, the estimates for these States are not discussed here.

TableT25: Percentage distribution of AFMC by mode of harvesting

| state | manual | own equipment | hired equipment | all |
|----------------|--------|------------------|--------------------|-----|
| Haryana | 92 | 2 | 5 | 100 |
| Punjab | 59 | 6 | 35 | 100 |
| Uttar Pradesh | 99 | 1 | 1 | 100 |
| Gujarat | 95 | 2 | 3 | 100 |
| Rajasthan | 98 | 1 | 1 | 100 |
| Madhya Pradesh | 99 | 0 | 1 | 100 |
| Maharashtra | 91 | 1 | 8 | 100 |
| Andhra Pradesh | 97 | 1 | 3 | 100 |
| Karnataka | 76 | 3 | 21 | 100 |
| Kerala | 97 | 2 | 1 | 100 |
| Tamil Nadu | 98 | 0 | 2 | 100 |
| Assam | 97 | 2 | 1 | 100 |
| Bihar | 99 | 1 | 1 | 100 |
| Orissa | 99 | 1 | 1 | 100 |
| West Bengal | 94 | 2 | 4 | 100 |
| India | 94 | 1 | 5 | 100 |

4.8.8 It is seen that mechanical harvesting was reported in only 6% of the AFMC of the country. Only in 1% of the AFMC, crops were harvested using owned machines and about 5% using hired machines. What clearly emerges from the table that the use of machines for harvesting of crops is concentrated mainly in the States of Punjab and Karnataka. In all, mechanical harvesting was done in about 41% and 24% of the AFMC in Punjab and

Karnataka respectively. Among the other States, appreciable proportions of mechanically-harvested AFMC were found in Maharashtra (9%), Haryana (7%) and West Bengal (6%).

Appendix I
Detailed Tables

Table (1) Average area owned, net sown area (NSA), area cropped more than once and irrigated & unirrigated gross cropped area (GCA) under five major crops sown by households by size-class of ownership holding, 1997-98

| size-class of ownership holding (ha) | average area (0.00 ha.) | | | | | | number of households | |
|--|-------------------------|-------------|------------------------------|---|-------------|-------|-------------------------|--------|
| | owned | net sown | cropped more than once | under five major crops* sown by households | | | est.(00) | sample |
| | | | | irrigated | unirrigated | all | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Andhra Pradesh | | | | | | | | |
| nil (< 0.01) | - | 0.02 | 0.01 | 0.02 | 0.00 | 0.03 | 42804 | 1998 |
| 00.01 - 00.20 | 0.04 | 0.04 | 0.01 | 0.04 | 0.01 | 0.04 | 24697 | 1257 |
| 00.21 - 00.50 | 0.36 | 0.33 | 0.11 | 0.31 | 0.11 | 0.42 | 15328 | 744 |
| 00.51 - 01.00 | 0.76 | 0.66 | 0.22 | 0.59 | 0.22 | 0.81 | 13766 | 639 |
| 01.01 - 02.00 | 1.41 | 1.26 | 0.42 | 1.17 | 0.37 | 1.53 | 11497 | 532 |
| 02.01 - 04.00 | 2.65 | 2.31 | 0.64 | 1.87 | 0.78 | 2.65 | 7233 | 358 |
| 04.01 - 10.00 | 5.40 | 4.68 | 1.33 | 3.91 | 1.52 | 5.43 | 3513 | 168 |
| 10.01 & above | 16.99 | 13.19 | 1.98 | 8.34 | 5.20 | 13.54 | 495 | 25 |
| all | 0.67 | 0.59 | 0.17 | 0.50 | 0.19 | 0.69 | 119333 | 5721 |
| Arunachal Pradesh | | | | | | | | |
| nil (< 0.01) | - | 0.39 | 0.16 | 0.01 | 0.36 | 0.37 | 387 | 145 |
| 00.01 - 00.20 | 0.10 | 0.05 | 0.02 | 0.02 | 0.03 | 0.05 | 179 | 70 |
| 00.21 - 00.50 | 0.36 | 0.29 | 0.09 | 0.09 | 0.21 | 0.30 | 202 | 83 |
| 00.51 - 01.00 | 0.84 | 0.53 | 0.11 | 0.16 | 0.36 | 0.52 | 225 | 110 |
| 01.01 - 02.00 | 1.66 | 0.97 | 0.31 | 0.31 | 0.67 | 0.97 | 295 | 126 |
| 02.01 - 04.00 | 3.03 | 2.08 | 0.92 | 0.50 | 1.37 | 1.86 | 165 | 90 |
| 04.01 - 10.00 | 6.24 | 2.26 | 1.16 | 0.26 | 1.48 | 1.74 | 162 | 87 |
| 10.01 & above | 17.68 | 8.24 | 4.27 | - | 5.60 | 5.60 | 11 | 8 |
| all | 1.52 | 0.87 | 0.36 | 0.17 | 0.61 | 0.78 | 1625 | 719 |
| Assam | | | | | | | | |
| nil (< 0.01) | - | 0.07 | 0.05 | 0.02 | 0.09 | 0.10 | 1965 | 194 |
| 00.01 - 00.20 | 0.09 | 0.03 | 0.01 | 0.00 | 0.03 | 0.04 | 10457 | 1013 |
| 00.21 - 00.50 | 0.34 | 0.23 | 0.11 | 0.06 | 0.25 | 0.31 | 5298 | 560 |
| 00.51 - 01.00 | 0.76 | 0.64 | 0.29 | 0.17 | 0.69 | 0.86 | 7270 | 636 |
| 01.01 - 02.00 | 1.44 | 1.26 | 0.47 | 0.27 | 1.31 | 1.58 | 7034 | 590 |
| 02.01 - 04.00 | 2.63 | 2.33 | 1.09 | 0.67 | 2.38 | 3.05 | 2570 | 208 |
| 04.01 - 10.00 | 4.87 | 4.45 | 2.28 | 1.27 | 4.81 | 6.09 | 520 | 42 |
| 10.01 & above | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | |
|-----|------|------|------|------|------|------|-------|------|
| all | 0.79 | 0.67 | 0.29 | 0.17 | 0.70 | 0.87 | 35114 | 3243 |
|-----|------|------|------|------|------|------|-------|------|

Table (1) Average area owned, net sown area (NSA), area cropped more than once and irrigated & unirrigated gross cropped area (GCA) under five major crops sown by households by size-class of ownership holding, 1997-98

| size-class of ownership holding (ha) | average area (0.00 ha.) | | | | | | number of households | |
|--------------------------------------|-------------------------|----------|------------------------|--|-------------|-------|----------------------|--------|
| | owned | net sown | cropped more than once | under five major crops* sown by households | | | est.(00) | sample |
| | | | | irrigated | unirrigated | all | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Bihar | | | | | | | | |
| nil (< 0.01) | - | 0.13 | 0.07 | 0.10 | 0.08 | 0.18 | 20316 | 988 |
| 00.01 - 00.20 | 0.05 | 0.05 | 0.03 | 0.05 | 0.02 | 0.07 | 59569 | 2976 |
| 00.21 - 00.50 | 0.37 | 0.38 | 0.26 | 0.43 | 0.16 | 0.59 | 24233 | 1268 |
| 00.51 - 01.00 | 0.78 | 0.78 | 0.52 | 0.87 | 0.34 | 1.21 | 20336 | 983 |
| 01.01 - 02.00 | 1.43 | 1.39 | 0.95 | 1.53 | 0.58 | 2.11 | 16094 | 790 |
| 02.01 - 04.00 | 2.71 | 2.67 | 1.89 | 3.31 | 0.77 | 4.08 | 6889 | 334 |
| 04.01 - 10.00 | 5.64 | 5.43 | 3.53 | 6.18 | 1.31 | 7.49 | 2313 | 111 |
| 10.01 & above | 19.04 | 18.07 | 12.93 | 26.08 | 3.24 | 29.32 | 278 | 14 |
| all | 0.59 | 0.59 | 0.40 | 0.68 | 0.21 | 0.90 | 150028 | 7464 |
| Gujarat | | | | | | | | |
| nil (< 0.01) | - | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 20034 | 1136 |
| 00.01 - 00.20 | 0.06 | 0.10 | 0.03 | 0.10 | 0.01 | 0.11 | 4159 | 246 |
| 00.21 - 00.50 | 0.38 | 0.39 | 0.25 | 0.38 | 0.18 | 0.56 | 7672 | 398 |
| 00.51 - 01.00 | 0.79 | 0.76 | 0.44 | 0.79 | 0.29 | 1.08 | 5928 | 290 |
| 01.01 - 02.00 | 1.44 | 1.37 | 0.71 | 1.29 | 0.55 | 1.85 | 6666 | 344 |
| 02.01 - 04.00 | 2.86 | 2.63 | 0.99 | 2.29 | 1.09 | 3.38 | 5688 | 292 |
| 04.01 - 10.00 | 5.94 | 5.39 | 1.46 | 4.95 | 1.36 | 6.32 | 3793 | 203 |
| 10.01 & above | 14.66 | 12.21 | 2.70 | 9.96 | 3.33 | 13.29 | 529 | 30 |
| all | 1.17 | 1.08 | 0.40 | 0.99 | 0.37 | 1.35 | 54468 | 2939 |
| Haryana | | | | | | | | |
| nil (< 0.01) | - | 0.01 | 0.01 | 0.02 | - | 0.02 | 11933 | 573 |
| 00.01 - 00.20 | 0.03 | 0.31 | 0.27 | 0.55 | 0.04 | 0.58 | 2342 | 116 |
| 00.21 - 00.50 | 0.37 | 0.55 | 0.47 | 0.93 | 0.05 | 0.98 | 1987 | 98 |
| 00.51 - 01.00 | 0.79 | 0.89 | 0.68 | 1.31 | 0.23 | 1.53 | 1895 | 88 |
| 01.01 - 02.00 | 1.44 | 1.52 | 1.18 | 2.27 | 0.31 | 2.58 | 3009 | 140 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | |
|---------------|-------|-------|------|-------|------|-------|-------|------|
| 02.01 - 04.00 | 2.78 | 2.75 | 2.01 | 3.98 | 0.48 | 4.46 | 2362 | 116 |
| 04.01 - 10.00 | 5.64 | 5.25 | 3.74 | 6.94 | 0.93 | 7.87 | 1613 | 77 |
| 10.01 & above | 11.98 | 10.85 | 9.09 | 18.66 | - | 18.66 | 248 | 14 |
| all | 1.00 | 1.02 | 0.77 | 1.49 | 0.16 | 1.66 | 25388 | 1222 |

**Note*

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (1) Average area owned, net sown area (NSA), area cropped more than once and irrigated & unirrigated gross cropped area (GCA) under five major crops sown by households by size-class of ownership holding, 1997-98

| size-class of ownership holding (ha) | average area (0.00 ha.) | | | | | | number of households | |
|--|-------------------------|-------------|------------------------------|---|-------------|------|-------------------------|--------|
| | owned | net sown | cropped more than once | under five major crops* sown by households | | | est.(00) | sample |
| | | | | irrigated | unirrigated | all | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Himachal Pradesh | | | | | | | | |
| nil (< 0.01) | - | 0.03 | 0.02 | - | 0.05 | 0.05 | 626 | 122 |
| 00.01 - 00.20 | 0.10 | 0.07 | 0.07 | 0.04 | 0.11 | 0.14 | 2434 | 453 |
| 00.21 - 00.50 | 0.36 | 0.28 | 0.26 | 0.12 | 0.42 | 0.54 | 2984 | 559 |
| 00.51 - 01.00 | 0.75 | 0.52 | 0.49 | 0.16 | 0.84 | 1.00 | 2232 | 409 |
| 01.01 - 02.00 | 1.46 | 0.96 | 0.84 | 0.26 | 1.48 | 1.75 | 1286 | 243 |
| 02.01 - 04.00 | 2.85 | 1.60 | 1.34 | 0.35 | 2.48 | 2.83 | 522 | 99 |
| 04.01 - 10.00 | 5.86 | 2.64 | 2.44 | 0.76 | 4.23 | 4.99 | 108 | 22 |
| 10.01 & above | 12.75 | 1.74 | 1.62 | 1.03 | 2.11 | 3.14 | 35 | 7 |
| all | 0.73 | 0.45 | 0.41 | 0.14 | 0.70 | 0.84 | 10226 | 1914 |
| Jammu & Kashmir | | | | | | | | |
| nil (< 0.01) | - | 0.02 | 0.00 | 0.01 | 0.01 | 0.02 | 237 | 65 |
| 00.01 - 00.20 | 0.12 | 0.11 | 0.06 | 0.10 | 0.05 | 0.16 | 1432 | 329 |
| 00.21 - 00.50 | 0.38 | 0.37 | 0.18 | 0.32 | 0.19 | 0.51 | 2857 | 589 |
| 00.51 - 01.00 | 0.76 | 0.73 | 0.44 | 0.49 | 0.60 | 1.09 | 1978 | 392 |
| 01.01 - 02.00 | 1.45 | 1.24 | 0.90 | 0.79 | 1.23 | 2.02 | 1001 | 243 |
| 02.01 - 04.00 | 2.57 | 2.20 | 1.80 | 1.67 | 2.11 | 3.79 | 353 | 84 |
| 04.01 - 10.00 | 5.36 | 4.37 | 2.99 | 4.05 | 2.88 | 6.92 | 51 | 17 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 0.68 | 0.62 | 0.40 | 0.46 | 0.50 | 0.95 | 7907 | 1719 |
| Karnataka | | | | | | | | |
| nil (< 0.01) | - | 0.01 | - | 0.00 | 0.00 | 0.01 | 16411 | 780 |
| 00.01 - 00.20 | 0.06 | 0.04 | 0.01 | 0.02 | 0.03 | 0.04 | 10304 | 493 |
| 00.21 - 00.50 | 0.38 | 0.32 | 0.08 | 0.10 | 0.29 | 0.39 | 7526 | 358 |
| 00.51 - 01.00 | 0.78 | 0.72 | 0.19 | 0.31 | 0.55 | 0.86 | 10665 | 463 |
| 01.01 - 02.00 | 1.50 | 1.42 | 0.33 | 0.67 | 0.97 | 1.64 | 12550 | 533 |
| 02.01 - 04.00 | 2.79 | 2.61 | 0.62 | 1.40 | 1.61 | 3.01 | 7330 | 313 |
| 04.01 - 10.00 | 5.71 | 5.21 | 1.12 | 2.45 | 3.43 | 5.87 | 4250 | 184 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-------|-------|------|------|-------|-------|-------|------|
| 10.01 & above | 16.00 | 14.55 | 2.62 | 5.67 | 10.19 | 15.85 | 656 | 28 |
| all | 1.23 | 1.14 | 0.26 | 0.53 | 0.77 | 1.30 | 69692 | 3152 |

**Note*

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (1) Average area owned, net sown area (NSA), area cropped more than once and irrigated & unirrigated gross cropped area (GCA) under five major crops sown by households by size-class of ownership holding, 1997-98

| size-class of ownership holding (ha) | average area (0.00 ha.) | | | | | | number of households | |
|--|-------------------------|-------------|------------------------------|---|-------------|-------|-------------------------|--------|
| | owned | net sown | cropped more than once | under five major crops* sown by households | | | est.(00) | sample |
| | | | | irrigated | unirrigated | all | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Kerala | | | | | | | | |
| nil (< 0.01) | - | 0.00 | 0.00 | - | 0.00 | 0.00 | 1833 | 121 |
| 00.01 - 00.20 | 0.07 | 0.05 | 0.00 | 0.02 | 0.03 | 0.04 | 30300 | 1961 |
| 00.21 - 00.50 | 0.34 | 0.30 | 0.05 | 0.12 | 0.16 | 0.28 | 6868 | 449 |
| 00.51 - 01.00 | 0.74 | 0.66 | 0.10 | 0.26 | 0.31 | 0.58 | 3632 | 216 |
| 01.01 - 02.00 | 1.42 | 1.22 | 0.19 | 0.44 | 0.59 | 1.03 | 2030 | 119 |
| 02.01 - 04.00 | 2.76 | 2.20 | 0.26 | 1.04 | 0.86 | 1.90 | 532 | 32 |
| 04.01 - 10.00 | 6.32 | 4.78 | 0.87 | 2.47 | 1.78 | 4.25 | 185 | 11 |
| 10.01 & above | 11.54 | 9.50 | 1.86 | 8.76 | 2.59 | 11.36 | 32 | 2 |
| all | 0.28 | 0.24 | 0.03 | 0.10 | 0.11 | 0.21 | 45411 | 2911 |
| Madhya Pradesh | | | | | | | | |
| nil (< 0.01) | - | 0.03 | 0.02 | 0.03 | 0.02 | 0.05 | 15259 | 927 |
| 00.01 - 00.20 | 0.06 | 0.03 | 0.01 | 0.01 | 0.02 | 0.03 | 16226 | 902 |
| 00.21 - 00.50 | 0.38 | 0.34 | 0.13 | 0.18 | 0.28 | 0.46 | 10601 | 593 |
| 00.51 - 01.00 | 0.79 | 0.85 | 0.32 | 0.45 | 0.58 | 1.03 | 15480 | 800 |
| 01.01 - 02.00 | 1.48 | 1.37 | 0.64 | 0.92 | 1.04 | 1.95 | 21789 | 1122 |
| 02.01 - 04.00 | 2.74 | 2.52 | 1.08 | 1.77 | 1.73 | 3.50 | 18907 | 959 |
| 04.01 - 10.00 | 5.78 | 5.22 | 2.69 | 5.03 | 2.69 | 7.71 | 8193 | 437 |
| 10.01 & above | 14.79 | 12.99 | 7.58 | 15.51 | 3.78 | 19.29 | 1028 | 62 |
| all | 1.52 | 1.41 | 0.66 | 1.12 | 0.87 | 1.99 | 107483 | 5802 |
| Maharashtra | | | | | | | | |
| nil (< 0.01) | - | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 34047 | 1630 |
| 00.01 - 00.20 | 0.04 | 0.04 | 0.01 | 0.01 | 0.03 | 0.04 | 20421 | 1074 |
| 00.21 - 00.50 | 0.36 | 0.31 | 0.08 | 0.11 | 0.26 | 0.36 | 9080 | 433 |
| 00.51 - 01.00 | 0.77 | 0.69 | 0.16 | 0.29 | 0.50 | 0.79 | 12672 | 586 |
| 01.01 - 02.00 | 1.47 | 1.29 | 0.27 | 0.60 | 0.88 | 1.48 | 16246 | 762 |
| 02.01 - 04.00 | 2.74 | 2.34 | 0.47 | 1.14 | 1.50 | 2.64 | 11577 | 543 |
| 04.01 - 10.00 | 5.66 | 4.73 | 1.02 | 2.44 | 2.91 | 5.35 | 6321 | 291 |

*Note

1. Paddy: *khari*f and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-------|-------|------|------|------|-------|--------|------|
| 10.01 & above | 16.81 | 11.79 | 2.78 | 8.20 | 4.43 | 12.64 | 883 | 40 |
| all | 1.08 | 0.91 | 0.20 | 0.45 | 0.57 | 1.02 | 111247 | 5359 |

**Note*

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| size-class of ownership holding (ha) | average area (0.00 ha.) | | | | | | number of households | |
|--|-------------------------|-------------|------------------------------|---|-------------|------|-------------------------|--------|
| | owned | net sown | cropped more than once | under five major crops* sown by households | | | est.(00) | sample |
| | | | | irrigated | unirrigated | all | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Manipur | | | | | | | | |
| nil (< 0.01) | - | 0.47 | 0.12 | 0.06 | 0.81 | 0.86 | 259 | 105 |
| 00.01 - 00.20 | 0.08 | 0.04 | 0.01 | 0.00 | 0.03 | 0.04 | 405 | 129 |
| 00.21 - 00.50 | 0.37 | 0.30 | 0.09 | 0.12 | 0.19 | 0.31 | 507 | 181 |
| 00.51 - 01.00 | 0.77 | 0.66 | 0.18 | 0.27 | 0.40 | 0.67 | 844 | 261 |
| 01.01 - 02.00 | 1.34 | 1.01 | 0.43 | 0.47 | 0.59 | 1.06 | 391 | 153 |
| 02.01 - 04.00 | 2.33 | 1.77 | 0.82 | 0.98 | 0.85 | 1.83 | 89 | 38 |
| 04.01 - 10.00 | 5.74 | 4.74 | 2.31 | 0.07 | 2.72 | 2.79 | 10 | 6 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 0.66 | 0.58 | 0.20 | 0.23 | 0.39 | 0.62 | 2505 | 873 |
| Meghalaya | | | | | | | | |
| nil (< 0.01) | - | 0.02 | 0.01 | - | 0.02 | 0.02 | 102 | 35 |
| 00.01 - 00.20 | 0.11 | 0.16 | 0.03 | 0.00 | 0.18 | 0.19 | 552 | 176 |
| 00.21 - 00.50 | 0.36 | 0.30 | 0.11 | 0.01 | 0.35 | 0.36 | 845 | 233 |
| 00.51 - 01.00 | 0.76 | 0.65 | 0.22 | 0.02 | 0.77 | 0.80 | 828 | 236 |
| 01.01 - 02.00 | 1.45 | 1.17 | 0.28 | 0.09 | 1.18 | 1.27 | 613 | 195 |
| 02.01 - 04.00 | 2.76 | 2.08 | 0.51 | 0.20 | 2.00 | 2.21 | 425 | 136 |
| 04.01 - 10.00 | 5.12 | 4.20 | 0.61 | 0.06 | 4.19 | 4.25 | 92 | 29 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 1.02 | 0.83 | 0.21 | 0.05 | 0.87 | 0.92 | 3457 | 1040 |
| Mizoram | | | | | | | | |
| Nil (< 0.01) | - | 0.56 | 0.08 | - | 0.61 | 0.61 | 121 | 92 |
| 00.01 - 00.20 | 0.05 | 0.59 | 0.06 | 0.00 | 0.63 | 0.64 | 394 | 319 |
| 00.21 - 00.50 | 0.33 | 0.57 | 0.03 | - | 0.60 | 0.60 | 52 | 53 |
| 00.51 - 01.00 | 0.80 | 0.74 | 0.09 | 0.04 | 0.77 | 0.81 | 60 | 50 |
| 01.01 - 02.00 | 1.56 | 1.04 | 0.00 | 0.03 | 0.96 | 0.99 | 72 | 60 |
| 02.01 - 04.00 | 2.58 | 1.73 | 0.09 | - | 1.57 | 1.57 | 16 | 17 |
| 04.01 - 10.00 | 6.67 | 2.00 | - | - | 2.00 | 2.00 | 3 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | |
|-----|------|------|------|------|------|------|-----|-----|
| all | 0.36 | 0.68 | 0.06 | 0.01 | 0.70 | 0.71 | 718 | 594 |
|-----|------|------|------|------|------|------|-----|-----|

**Note*

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (1) Average area owned, net sown area (NSA), area cropped more than once and irrigated & unirrigated gross cropped area (GCA) under five major crops sown by households by size-class of ownership holding, 1997-98

| size-class of ownership holding (ha) | average area (0.00 ha.) | | | | | | number of households | |
|--|-------------------------|-------------|------------------------------|---|-------------|-------|-------------------------|--------|
| | owned | net sown | cropped more than once | under five major crops* sown by households | | | est.(00) | sample |
| | | | | irrigated | unirrigated | all | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Nagaland | | | | | | | | |
| nil (< 0.01) | - | 0.46 | 0.28 | - | 0.50 | 0.50 | 52 | 39 |
| 00.01 - 00.20 | 0.11 | 0.06 | 0.04 | 0.00 | 0.07 | 0.07 | 39 | 43 |
| 00.21 - 00.50 | 0.34 | 0.19 | 0.14 | 0.03 | 0.20 | 0.22 | 45 | 61 |
| 00.51 - 01.00 | 0.81 | 0.62 | 0.42 | 0.09 | 0.71 | 0.80 | 77 | 71 |
| 01.01 - 02.00 | 1.66 | 1.26 | 0.79 | 0.14 | 1.44 | 1.57 | 192 | 179 |
| 02.01 - 04.00 | 2.94 | 2.10 | 1.27 | 0.26 | 2.19 | 2.45 | 331 | 358 |
| 04.01 - 10.00 | 6.78 | 4.99 | 2.87 | 2.79 | 4.21 | 7.00 | 127 | 136 |
| 10.01 & above | 13.08 | 8.00 | 4.59 | 6.18 | 5.56 | 11.75 | 7 | 8 |
| all | 2.68 | 1.97 | 1.18 | 0.60 | 1.92 | 2.52 | 871 | 895 |
| Orissa | | | | | | | | |
| nil (< 0.01) | - | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 6215 | 341 |
| 00.01 - 00.20 | 0.06 | 0.05 | 0.01 | 0.01 | 0.04 | 0.05 | 22120 | 1211 |
| 00.21 - 00.50 | 0.36 | 0.34 | 0.06 | 0.09 | 0.30 | 0.38 | 12884 | 698 |
| 00.51 - 01.00 | 0.76 | 0.72 | 0.13 | 0.20 | 0.60 | 0.80 | 11131 | 575 |
| 01.01 - 02.00 | 1.39 | 1.25 | 0.22 | 0.45 | 0.97 | 1.41 | 7419 | 391 |
| 02.01 - 04.00 | 2.51 | 2.27 | 0.48 | 0.72 | 1.93 | 2.65 | 2936 | 149 |
| 04.01 - 10.00 | 5.35 | 4.88 | 0.90 | 2.45 | 3.31 | 5.76 | 624 | 33 |
| 10.01 & above | 13.15 | 10.28 | 1.22 | 6.31 | 5.20 | 11.50 | 122 | 3 |
| all | 0.58 | 0.53 | 0.10 | 0.18 | 0.42 | 0.60 | 63451 | 3401 |
| Punjab | | | | | | | | |
| nil (< 0.01) | - | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 | 17638 | 1639 |
| 00.01 - 00.20 | 0.11 | 0.22 | 0.21 | 0.38 | 0.03 | 0.41 | 570 | 55 |
| 00.21 - 00.50 | 0.37 | 0.34 | 0.36 | 0.59 | 0.07 | 0.66 | 1181 | 103 |
| 00.51 - 01.00 | 0.77 | 1.01 | 1.04 | 1.95 | 0.02 | 1.97 | 1462 | 122 |
| 01.01 - 02.00 | 1.45 | 1.54 | 1.46 | 2.79 | 0.05 | 2.84 | 2952 | 257 |
| 02.01 - 04.00 | 2.70 | 2.79 | 2.80 | 5.15 | 0.17 | 5.32 | 2202 | 190 |
| 04.01 - 10.00 | 5.94 | 5.53 | 5.43 | 9.87 | 0.52 | 10.39 | 1588 | 134 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| 10.01 & above | 13.29 | 13.13 | 13.17 | 24.38 | - | 24.38 | 377 | 33 |
| all | 0.94 | 0.95 | 0.94 | 1.73 | 0.05 | 1.79 | 27971 | 2533 |

**Note*

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (1) Average area owned, net sown area (NSA), area cropped more than once and irrigated & unirrigated gross cropped area (GCA) under five major crops sown by households by size-class of ownership holding, 1997-98

| size-class of ownership holding (ha) | average area (0.00 ha.) | | | | | | number of households | |
|--|-------------------------|-------------|------------------------------|---|-------------|-------|-------------------------|--------|
| | owned | net sown | cropped more than once | under five major crops* sown by households | | | est.(00) | sample |
| | | | | irrigated | unirrigated | all | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Rajasthan | | | | | | | | |
| nil (< 0.01) | - | 0.13 | 0.08 | 0.12 | 0.09 | 0.20 | 4836 | 323 |
| 00.01 - 00.20 | 0.06 | 0.11 | 0.07 | 0.13 | 0.04 | 0.17 | 8536 | 497 |
| 00.21 - 00.50 | 0.38 | 0.40 | 0.27 | 0.47 | 0.18 | 0.65 | 8354 | 451 |
| 00.51 - 01.00 | 0.76 | 0.68 | 0.42 | 0.69 | 0.39 | 1.07 | 8870 | 461 |
| 01.01 - 02.00 | 1.45 | 1.29 | 0.70 | 1.30 | 0.61 | 1.91 | 11588 | 618 |
| 02.01 - 04.00 | 2.88 | 2.52 | 1.27 | 2.44 | 1.22 | 3.66 | 10029 | 561 |
| 04.01 - 10.00 | 6.09 | 5.11 | 2.13 | 3.98 | 3.03 | 7.01 | 8119 | 464 |
| 10.01 & above | 15.68 | 12.45 | 4.76 | 8.07 | 7.65 | 15.71 | 2046 | 126 |
| all | 2.21 | 1.89 | 0.88 | 1.60 | 1.05 | 2.65 | 62377 | 3501 |
| Sikkim | | | | | | | | |
| nil (< 0.01) | - | 0.09 | 0.05 | 0.02 | 0.10 | 0.13 | 254 | 257 |
| 00.01 - 00.20 | 0.10 | 0.10 | 0.06 | 0.03 | 0.12 | 0.15 | 151 | 174 |
| 00.21 - 00.50 | 0.37 | 0.30 | 0.13 | 0.08 | 0.29 | 0.37 | 191 | 227 |
| 00.51 - 01.00 | 0.75 | 0.59 | 0.25 | 0.18 | 0.55 | 0.73 | 125 | 138 |
| 01.01 - 02.00 | 1.34 | 1.07 | 0.50 | 0.31 | 1.03 | 1.34 | 85 | 92 |
| 02.01 - 04.00 | 2.53 | 2.01 | 0.71 | 0.74 | 1.54 | 2.28 | 39 | 43 |
| 04.01 - 10.00 | 4.11 | 3.93 | 1.76 | 2.50 | 1.39 | 3.89 | 3 | 4 |
| 10.01 & above | 12.35 | 8.10 | 2.03 | 3.89 | 1.22 | 5.11 | 1 | 1 |
| all | 0.49 | 0.42 | 0.18 | 0.14 | 0.38 | 0.52 | 849 | 936 |
| Tamil Nadu | | | | | | | | |
| nil (< 0.01) | - | 0.01 | 0.00 | 0.01 | 0.00 | 0.01 | 35242 | 1887 |
| 00.01 - 00.20 | 0.04 | 0.02 | 0.01 | 0.02 | 0.00 | 0.02 | 30168 | 1730 |
| 00.21 - 00.50 | 0.35 | 0.31 | 0.12 | 0.32 | 0.06 | 0.39 | 11556 | 677 |
| 00.51 - 01.00 | 0.75 | 0.68 | 0.26 | 0.66 | 0.16 | 0.82 | 9363 | 508 |
| 01.01 - 02.00 | 1.37 | 1.22 | 0.43 | 1.21 | 0.29 | 1.50 | 6181 | 335 |
| 02.01 - 04.00 | 2.53 | 2.15 | 0.93 | 2.32 | 0.27 | 2.58 | 2712 | 138 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-------|------|------|-------|------|-------|-------|------|
| 04.01 - 10.00 | 4.86 | 3.74 | 1.93 | 4.02 | 0.58 | 4.60 | 1048 | 46 |
| 10.01 & above | 14.39 | 7.69 | 4.52 | 12.22 | - | 12.22 | 49 | 3 |
| all | 0.35 | 0.29 | 0.12 | 0.30 | 0.06 | 0.36 | 96319 | 5324 |

**Note*

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| size-class of ownership holding (ha) | average area (0.00 ha.) | | | | | | number of households | |
|--|-------------------------|-------------|------------------------------|---|-------------|-------|-------------------------|--------|
| | owned | net sown | cropped more than once | under five major crops* sown by households | | | est.(00) | sample |
| | | | | irrigated | unirrigated | all | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Tripura | | | | | | | | |
| nil (< 0.01) | - | 0.02 | 0.01 | 0.01 | 0.00 | 0.01 | 1547 | 306 |
| 00.01 - 00.20 | 0.08 | 0.03 | 0.02 | 0.02 | 0.01 | 0.03 | 2052 | 492 |
| 00.21 - 00.50 | 0.37 | 0.29 | 0.16 | 0.18 | 0.13 | 0.32 | 1021 | 218 |
| 00.51 - 01.00 | 0.74 | 0.58 | 0.35 | 0.49 | 0.27 | 0.76 | 678 | 140 |
| 01.01 - 02.00 | 1.45 | 1.08 | 0.80 | 0.75 | 0.67 | 1.42 | 223 | 41 |
| 02.01 - 04.00 | 2.90 | 1.74 | 0.88 | 1.30 | 0.63 | 1.93 | 76 | 17 |
| 04.01 - 10.00 | 7.85 | 4.31 | 1.38 | 1.14 | 2.90 | 4.04 | 8 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 0.30 | 0.21 | 0.12 | 0.15 | 0.10 | 0.25 | 5606 | 1216 |
| Uttar Pradesh | | | | | | | | |
| nil (< 0.01) | - | 0.03 | 0.01 | 0.03 | 0.00 | 0.04 | 23667 | 1052 |
| 00.01 - 00.20 | 0.07 | 0.08 | 0.06 | 0.11 | 0.02 | 0.13 | 62366 | 2978 |
| 00.21 - 00.50 | 0.36 | 0.34 | 0.26 | 0.50 | 0.08 | 0.57 | 52259 | 2153 |
| 00.51 - 01.00 | 0.74 | 0.69 | 0.56 | 1.06 | 0.13 | 1.18 | 41524 | 1713 |
| 01.01 - 02.00 | 1.40 | 1.28 | 0.98 | 1.90 | 0.18 | 2.08 | 30206 | 1236 |
| 02.01 - 04.00 | 2.68 | 2.50 | 1.76 | 3.65 | 0.21 | 3.86 | 14409 | 620 |
| 04.01 - 10.00 | 5.58 | 5.08 | 3.23 | 7.03 | 0.41 | 7.44 | 5159 | 231 |
| 10.01 & above | 13.35 | 10.19 | 7.21 | 12.67 | 0.72 | 13.38 | 417 | 20 |
| all | 0.74 | 0.68 | 0.50 | 1.00 | 0.09 | 1.09 | 230008 | 10003 |
| West Bengal | | | | | | | | |
| nil (< 0.01) | - | 0.06 | 0.02 | 0.06 | 0.02 | 0.08 | 23373 | 1141 |
| 00.01 - 00.20 | 0.06 | 0.05 | 0.02 | 0.05 | 0.02 | 0.07 | 42971 | 2105 |
| 00.21 - 00.50 | 0.35 | 0.30 | 0.18 | 0.32 | 0.14 | 0.46 | 20270 | 1002 |
| 00.51 - 01.00 | 0.74 | 0.67 | 0.42 | 0.73 | 0.31 | 1.04 | 14792 | 654 |
| 01.01 - 02.00 | 1.39 | 1.25 | 0.73 | 1.30 | 0.54 | 1.84 | 6767 | 303 |
| 02.01 - 04.00 | 2.64 | 2.41 | 1.23 | 2.54 | 0.89 | 3.43 | 2164 | 97 |
| 04.01 - 10.00 | 4.21 | 3.85 | 3.12 | 5.42 | 1.36 | 6.78 | 191 | 9 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| 10.01 & above | 10.66 | 10.66 | 10.66 | 3.46 | - | 3.46 | 24 | 1 |
| all | 0.33 | 0.31 | 0.18 | 0.33 | 0.13 | 0.46 | 110552 | 5312 |

**Note*

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| size-class of ownership holding (ha) | average area (0.00 ha.) | | | | | | number of households | |
|--|-------------------------|-------------|------------------------------|---|-------------|-------|-------------------------|--------|
| | owned | net sown | cropped more than once | under five major crops* sown by households | | | est.(00) | sample |
| | | | | irrigated | unirrigated | all | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| A. & N. Islands | | | | | | | | |
| nil (< 0.01) | - | 0.11 | 0.01 | 0.06 | 0.06 | 0.12 | 322 | 349 |
| 00.01 - 00.20 | 0.07 | 0.01 | - | 0.00 | 0.01 | 0.01 | 22 | 28 |
| 00.21 - 00.50 | 0.37 | 0.16 | 0.08 | 0.18 | 0.06 | 0.24 | 8 | 15 |
| 00.51 - 01.00 | 0.79 | 0.29 | 0.03 | 0.19 | 0.13 | 0.32 | 29 | 37 |
| 01.01 - 02.00 | 1.56 | 0.67 | 0.04 | 0.16 | 0.54 | 0.70 | 32 | 37 |
| 02.01 - 04.00 | 2.85 | 1.59 | 0.35 | 0.73 | 1.16 | 1.89 | 25 | 26 |
| 04.01 - 10.00 | 4.51 | 2.00 | 0.36 | 1.16 | 1.14 | 2.30 | 8 | 8 |
| 10.01 & above | 14.15 | - | - | - | - | - | 1 | 2 |
| all | 0.43 | 0.28 | 0.04 | 0.13 | 0.18 | 0.31 | 447 | 502 |
| India | | | | | | | | |
| nil (< 0.01) | - | 0.03 | 0.02 | 0.03 | 0.02 | 0.04 | 283269 | 16571 |
| 00.01 - 00.20 | 0.06 | 0.05 | 0.03 | 0.05 | 0.02 | 0.08 | 354011 | 21047 |
| 00.21 - 00.50 | 0.36 | 0.34 | 0.19 | 0.33 | 0.16 | 0.49 | 204157 | 12280 |
| 00.51 - 01.00 | 0.76 | 0.71 | 0.38 | 0.66 | 0.35 | 1.01 | 186059 | 10616 |
| 01.01 - 02.00 | 1.44 | 1.31 | 0.65 | 1.18 | 0.65 | 1.83 | 166322 | 9465 |
| 02.01 - 04.00 | 2.73 | 2.48 | 1.15 | 2.23 | 1.15 | 3.38 | 99607 | 5824 |
| 04.01 - 10.00 | 5.73 | 5.04 | 2.20 | 4.54 | 2.19 | 6.73 | 48023 | 2759 |
| 10.01 & above | 15.38 | 12.58 | 5.35 | 11.18 | 5.05 | 16.23 | 7246 | 428 |
| all | 0.84 | 0.76 | 0.36 | 0.69 | 0.35 | 1.04 | 1348695 | 78990 |

**Note*

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (2): Proportion of households and net sown area (NSA) accounted by villages with government canal and differential between villages with government canal and other villages in respect of extent of irrigation (irrigated area per 1000 hectares of land under five major crops sown by households)

| state / UT | H | A | irrigated area per 1000 hectares of land under five major crops* in villages | | | no. of households | |
|-------------------|------------|------------|--|------------|------------|-------------------|--------------|
| | | | with govt. canal | others | all | est. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Andhra Pradesh | 392 | 320 | 774 | 696 | 723 | 119333 | 5721 |
| Arunachal Pradesh | 99 | 165 | 487 | 195 | 217 | 1625 | 719 |
| Assam | 33 | 30 | 437 | 186 | 194 | 35114 | 3243 |
| Bihar | 205 | 255 | 900 | 708 | 760 | 150028 | 7464 |
| Gujarat | 305 | 193 | 901 | 683 | 729 | 54468 | 2939 |
| Haryana | 546 | 575 | 909 | 889 | 901 | 25388 | 1222 |
| Himachal Pradesh | 52 | 29 | 746 | 150 | 168 | 10226 | 1914 |
| Jammu & Kashmir | 440 | 415 | 651 | 348 | 479 | 7907 | 1719 |
| Karnataka | 262 | 249 | 637 | 330 | 408 | 69692 | 3152 |
| Kerala | 285 | 306 | 568 | 414 | 461 | 45411 | 2911 |
| Madhya Pradesh | 185 | 174 | 735 | 523 | 561 | 107483 | 5802 |
| Maharashtra | 203 | 178 | 587 | 413 | 444 | 111247 | 5359 |
| Manipur | 273 | 225 | 737 | 264 | 369 | 2505 | 873 |
| Meghalaya | 11 | 2 | 625 | 54 | 55 | 3457 | 1040 |
| Mizoram | - | - | - | 12 | 12 | 718 | 594 |
| Nagaland | - | - | - | 237 | 237 | 871 | 895 |
| Orissa | 281 | 302 | 596 | 160 | 296 | 63451 | 3401 |
| Punjab | 517 | 596 | 1000 | 926 | 971 | 27971 | 2533 |
| Rajasthan | 176 | 164 | 880 | 541 | 605 | 62377 | 3501 |
| Sikkim | 117 | 96 | 442 | 245 | 263 | 849 | 936 |
| Tamil Nadu | 340 | 313 | 882 | 818 | 839 | 96319 | 5324 |
| Tripura | 145 | 131 | 941 | 535 | 598 | 5606 | 1216 |
| Uttar Pradesh | 284 | 299 | 955 | 896 | 914 | 230008 | 10003 |
| West Bengal | 284 | 257 | 824 | 678 | 715 | 110552 | 5312 |
| A & N.Island | 117 | 295 | 777 | 325 | 420 | 447 | 502 |
| India | 268 | 246 | 837 | 600 | 663 | 1348695 | 78990 |

H: Number per 1000 of households residing in villages with govt. canal.

A: NSA per 1000 hectares of NSA in villages with govt. canal.

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (3): Differential between villages with government canal and other villages in respect of average area (0.00 ha) under five major crops* sown by households, by season and size-class of household ownership holding

| size-class of ownership holding (ha) | in villages with govt. canal | | | in villages without govt. canal | | | est. area under major crops (00 ha) |
|---|------------------------------|-------------|-------|---------------------------------|-------------|-------|--|
| | <i>kharif</i> | <i>rabi</i> | all | <i>kharif</i> | <i>rabi</i> | all | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Andhra Pradesh | | | | | | | |
| nil (< 0.01) | 0.52 | 0.32 | 0.84 | 1.52 | 1.01 | 2.52 | 1109 |
| 00.01 - 00.20 | 0.20 | 0.10 | 0.30 | 0.13 | 0.05 | 0.19 | 1077 |
| 00.21 - 00.50 | 0.39 | 0.23 | 0.61 | 0.33 | 0.09 | 0.42 | 6374 |
| 00.51 - 01.00 | 0.65 | 0.34 | 0.99 | 0.61 | 0.20 | 0.81 | 11125 |
| 01.01 - 02.00 | 1.34 | 0.67 | 2.01 | 1.12 | 0.34 | 1.46 | 17640 |
| 02.01 - 04.00 | 2.22 | 0.79 | 3.02 | 1.94 | 0.68 | 2.62 | 19148 |
| 04.01 - 10.00 | 3.79 | 2.01 | 5.80 | 3.98 | 1.38 | 5.40 | 19089 |
| 10.01 & above | 7.29 | 5.53 | 12.82 | 13.12 | 0.81 | 13.93 | 6700 |
| all | 1.05 | 0.53 | 1.58 | 1.18 | 0.36 | 1.54 | 82260 |
| Arunachal Pradesh | | | | | | | |
| nil (< 0.01) | - | - | - | 0.18 | 0.52 | 0.70 | 142 |
| 00.01 - 00.20 | 0.10 | - | 0.10 | 0.08 | 0.04 | 0.12 | 10 |
| 00.21 - 00.50 | 0.23 | - | 0.23 | 0.23 | 0.06 | 0.34 | 61 |
| 00.51 - 01.00 | 0.36 | - | 0.36 | 0.45 | 0.08 | 0.53 | 117 |
| 01.01 - 02.00 | 0.29 | - | 0.29 | 0.89 | 0.19 | 1.07 | 287 |
| 02.01 - 04.00 | 0.70 | 0.06 | 0.76 | 1.60 | 0.50 | 2.10 | 307 |
| 04.01 - 10.00 | 1.07 | 0.05 | 1.12 | 1.57 | 0.34 | 1.91 | 281 |
| 10.01 & above | 3.50 | 3.50 | 7.00 | 4.40 | 0.73 | 5.13 | 62 |
| all | 0.61 | 0.10 | 0.71 | 0.73 | 0.25 | 0.99 | 1266 |
| Assam | | | | | | | |
| nil (< 0.01) | - | - | - | 0.22 | 0.15 | 0.37 | 204 |
| 00.01 - 00.20 | - | 0.07 | 0.07 | 0.06 | 0.06 | 0.13 | 394 |
| 00.21 - 00.50 | 0.33 | 0.21 | 0.55 | 0.24 | 0.16 | 0.40 | 1640 |
| 00.51 - 01.00 | 0.54 | 0.50 | 1.05 | 0.58 | 0.32 | 0.90 | 6278 |
| 01.01 - 02.00 | 0.96 | 0.79 | 1.75 | 1.13 | 0.45 | 1.59 | 11087 |
| 02.01 - 04.00 | 2.51 | 1.65 | 4.16 | 2.00 | 1.08 | 3.07 | 7850 |
| 04.01 - 10.00 | 3.80 | 3.03 | 6.83 | 3.89 | 2.15 | 6.04 | 3164 |
| 10.01 & above | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | |
|-----|------|------|------|------|------|------|-------|
| all | 0.93 | 0.73 | 1.66 | 0.82 | 0.41 | 1.23 | 30618 |
|-----|------|------|------|------|------|------|-------|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (3): Differential between villages with government canal and other villages in respect of average area (0.00 ha) under five major crops* sown by households, by season and size-class of household ownership holding

| size-class of ownership holding (ha) | in villages with govt. canal | | | in villages without govt. canal | | | est. area under major crops (00 ha) |
|---|------------------------------|-------------|-------|---------------------------------|-------------|-------|--|
| | <i>kharif</i> | <i>rabi</i> | all | <i>kharif</i> | <i>rabi</i> | all | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Bihar | | | | | | | |
| nil (< 0.01) | 0.49 | 0.22 | 0.71 | 0.65 | 0.41 | 1.06 | 3740 |
| 00.01 - 00.20 | 0.14 | 0.12 | 0.26 | 0.11 | 0.11 | 0.21 | 4376 |
| 00.21 - 00.50 | 0.40 | 0.37 | 0.77 | 0.31 | 0.25 | 0.57 | 14383 |
| 00.51 - 01.00 | 0.76 | 0.76 | 1.52 | 0.65 | 0.49 | 1.15 | 24522 |
| 01.01 - 02.00 | 1.19 | 1.23 | 2.43 | 1.17 | 0.89 | 2.06 | 33955 |
| 02.01 - 04.00 | 2.40 | 2.39 | 4.78 | 2.16 | 1.70 | 3.85 | 28125 |
| 04.01 - 10.00 | 4.47 | 4.09 | 8.56 | 3.80 | 3.19 | 7.00 | 17326 |
| 10.01 & above | 13.27 | 13.12 | 26.38 | 15.93 | 15.23 | 31.17 | 8158 |
| all | 0.95 | 0.92 | 1.87 | 0.75 | 0.59 | 1.34 | 134585 |
| Gujarat | | | | | | | |
| nil (< 0.01) | 0.46 | 0.13 | 0.58 | 0.73 | 0.10 | 0.83 | 113 |
| 00.01 - 00.20 | 0.10 | 0.06 | 0.17 | 0.64 | 0.07 | 0.71 | 467 |
| 00.21 - 00.50 | 0.35 | 0.30 | 0.65 | 0.35 | 0.19 | 0.54 | 4301 |
| 00.51 - 01.00 | 0.72 | 0.52 | 1.24 | 0.68 | 0.35 | 1.02 | 6386 |
| 01.01 - 02.00 | 1.27 | 0.83 | 2.11 | 1.18 | 0.63 | 1.82 | 12302 |
| 02.01 - 04.00 | 2.13 | 1.43 | 3.56 | 2.39 | 1.07 | 3.45 | 19218 |
| 04.01 - 10.00 | 4.25 | 3.04 | 7.29 | 4.76 | 1.44 | 6.21 | 23963 |
| 10.01 & above | 2.68 | 4.85 | 7.52 | 9.86 | 4.08 | 13.94 | 7030 |
| all | 1.09 | 0.79 | 1.88 | 1.82 | 0.75 | 2.57 | 73780 |
| Haryana | | | | | | | |
| nil (< 0.01) | 0.92 | 1.53 | 2.45 | - | - | - | 266 |
| 00.01 - 00.20 | 1.26 | 1.40 | 2.66 | 0.19 | 0.19 | 0.39 | 1365 |
| 00.21 - 00.50 | 0.70 | 0.75 | 1.44 | 0.27 | 0.36 | 0.64 | 1940 |
| 00.51 - 01.00 | 0.79 | 0.97 | 1.76 | 0.62 | 0.77 | 1.39 | 2907 |
| 01.01 - 02.00 | 1.20 | 1.47 | 2.67 | 1.13 | 1.41 | 2.55 | 7757 |
| 02.01 - 04.00 | 2.05 | 2.68 | 4.73 | 1.83 | 2.35 | 4.18 | 10536 |
| 04.01 - 10.00 | 3.84 | 4.71 | 8.55 | 2.91 | 4.02 | 6.92 | 12695 |
| 10.01 & above | 9.47 | 10.65 | 20.12 | 8.92 | 11.31 | 20.23 | 4622 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | |
|-----|------|------|------|------|------|------|-------|
| all | 1.77 | 2.17 | 3.94 | 1.43 | 1.85 | 3.28 | 42089 |
|-----|------|------|------|------|------|------|-------|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (3): Differential between villages with government canal and other villages in respect of average area (0.00 ha) under five major crops* sown by households, by season and size-class of household ownership holding

| size-class of ownership holding (ha) | in villages with govt. canal | | | in villages without govt. canal | | | est. area under major crops (00 ha) |
|---|------------------------------|-------------|-------|---------------------------------|-------------|-------|--|
| | <i>kharif</i> | <i>rabi</i> | all | <i>kharif</i> | <i>rabi</i> | all | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Himachal Pradesh | | | | | | | |
| nil (< 0.01) | - | - | - | 0.40 | 0.35 | 0.75 | 34 |
| 00.01 - 00.20 | 0.12 | 0.12 | 0.24 | 0.10 | 0.10 | 0.20 | 351 |
| 00.21 - 00.50 | 0.31 | 0.30 | 0.61 | 0.28 | 0.26 | 0.54 | 1606 |
| 00.51 - 01.00 | 0.52 | 0.51 | 1.03 | 0.52 | 0.49 | 1.01 | 2228 |
| 01.01 - 02.00 | 0.67 | 0.75 | 1.41 | 0.93 | 0.83 | 1.76 | 2245 |
| 02.01 - 04.00 | - | - | - | 1.51 | 1.31 | 2.83 | 1474 |
| 04.01 - 10.00 | - | - | - | 2.70 | 2.29 | 4.99 | 538 |
| 10.01 & above | - | - | - | 1.58 | 1.56 | 3.14 | 111 |
| all | 0.30 | 0.30 | 0.61 | 0.52 | 0.47 | 0.99 | 8587 |
| Jammu & Kashmir | | | | | | | |
| nil (< 0.01) | 0.25 | - | 0.25 | 0.26 | 0.24 | 0.51 | 5 |
| 00.01 - 00.20 | 0.15 | 0.09 | 0.25 | 0.12 | 0.08 | 0.20 | 225 |
| 00.21 - 00.50 | 0.33 | 0.11 | 0.44 | 0.32 | 0.27 | 0.59 | 1464 |
| 00.51 - 01.00 | 0.61 | 0.41 | 1.03 | 0.62 | 0.50 | 1.12 | 2149 |
| 01.01 - 02.00 | 1.21 | 0.99 | 2.20 | 1.11 | 0.80 | 1.91 | 2018 |
| 02.01 - 04.00 | 2.12 | 1.81 | 3.93 | 1.91 | 1.74 | 3.64 | 1335 |
| 04.01 - 10.00 | 3.82 | 3.33 | 7.15 | 3.57 | 2.78 | 6.34 | 351 |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 0.63 | 0.43 | 1.06 | 0.57 | 0.46 | 1.03 | 7547 |
| Karnataka | | | | | | | |
| nil (< 0.01) | 1.60 | 1.60 | 3.20 | 0.17 | - | 0.17 | 99 |
| 00.01 - 00.20 | 0.15 | 0.05 | 0.20 | 0.09 | 0.05 | 0.14 | 464 |
| 00.21 - 00.50 | 0.28 | 0.13 | 0.41 | 0.33 | 0.12 | 0.44 | 2910 |
| 00.51 - 01.00 | 0.66 | 0.28 | 0.94 | 0.68 | 0.19 | 0.87 | 9132 |
| 01.01 - 02.00 | 1.21 | 0.45 | 1.65 | 1.21 | 0.47 | 1.67 | 20571 |
| 02.01 - 04.00 | 2.21 | 1.01 | 3.22 | 2.17 | 0.87 | 3.04 | 22063 |
| 04.01 - 10.00 | 3.59 | 1.84 | 5.44 | 4.20 | 1.80 | 5.99 | 24961 |
| 10.01 & above | 10.52 | 3.84 | 14.36 | 7.95 | 8.90 | 16.85 | 10397 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | |
|-----|------|------|------|------|------|------|-------|
| all | 1.31 | 0.56 | 1.87 | 1.46 | 0.64 | 2.11 | 90596 |
|-----|------|------|------|------|------|------|-------|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| size-class of ownership holding (ha) | in villages with govt. canal | | | in villages without govt. canal | | | est. area under major crops (00 ha) |
|---|------------------------------|-------------|-------|---------------------------------|-------------|-------|--|
| | <i>kharif</i> | <i>rabi</i> | all | <i>kharif</i> | <i>rabi</i> | all | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Kerala | | | | | | | |
| nil (< 0.01) | - | - | - | 0.03 | 0.03 | 0.06 | 1 |
| 00.01 - 00.20 | 0.05 | 0.01 | 0.06 | 0.05 | 0.01 | 0.06 | 1332 |
| 00.21 - 00.50 | 0.25 | 0.08 | 0.33 | 0.22 | 0.07 | 0.29 | 1935 |
| 00.51 - 01.00 | 0.48 | 0.22 | 0.70 | 0.42 | 0.17 | 0.59 | 2091 |
| 01.01 - 02.00 | 0.92 | 0.21 | 1.13 | 0.68 | 0.35 | 1.03 | 2082 |
| 02.01 - 04.00 | 0.93 | 0.60 | 1.53 | 1.35 | 0.95 | 2.30 | 1011 |
| 04.01 - 10.00 | 0.16 | 4.26 | 4.42 | 2.56 | 2.17 | 4.72 | 787 |
| 10.01 & above | 10.00 | 0.80 | 10.80 | 4.00 | 8.00 | 12.00 | 360 |
| all | 0.20 | 0.08 | 0.28 | 0.19 | 0.09 | 0.27 | 9599 |
| Madhya Pradesh | | | | | | | |
| nil (< 0.01) | 0.38 | - | 0.38 | 1.15 | 0.82 | 1.98 | 765 |
| 00.01 - 00.20 | 0.15 | 0.08 | 0.23 | 0.15 | 0.06 | 0.21 | 528 |
| 00.21 - 00.50 | 0.30 | 0.17 | 0.47 | 0.32 | 0.19 | 0.52 | 4893 |
| 00.51 - 01.00 | 0.64 | 0.41 | 1.05 | 0.67 | 0.40 | 1.07 | 15992 |
| 01.01 - 02.00 | 1.19 | 0.77 | 1.96 | 1.22 | 0.76 | 1.98 | 42582 |
| 02.01 - 04.00 | 1.97 | 1.80 | 3.77 | 2.20 | 1.27 | 3.48 | 66204 |
| 04.01 - 10.00 | 4.60 | 3.69 | 8.29 | 4.29 | 3.35 | 7.63 | 63206 |
| 10.01 & above | 12.10 | 11.85 | 23.95 | 9.89 | 8.27 | 18.16 | 19829 |
| all | 1.54 | 1.22 | 2.76 | 1.67 | 1.11 | 2.78 | 213999 |
| Maharashtra | | | | | | | |
| nil (< 0.01) | - | - | - | 0.92 | 0.06 | 0.98 | 174 |
| 00.01 - 00.20 | 0.11 | 0.05 | 0.17 | 0.20 | 0.02 | 0.22 | 827 |
| 00.21 - 00.50 | 0.30 | 0.10 | 0.40 | 0.32 | 0.08 | 0.39 | 3301 |
| 00.51 - 01.00 | 0.62 | 0.25 | 0.87 | 0.65 | 0.16 | 0.82 | 10062 |
| 01.01 - 02.00 | 1.16 | 0.39 | 1.55 | 1.18 | 0.34 | 1.52 | 24077 |
| 02.01 - 04.00 | 1.92 | 0.67 | 2.60 | 2.04 | 0.68 | 2.73 | 30564 |
| 04.01 - 10.00 | 4.10 | 1.54 | 5.65 | 4.16 | 1.21 | 5.37 | 33809 |
| 10.01 & above | 9.40 | 3.40 | 12.80 | 9.17 | 3.45 | 12.62 | 11154 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | |
|-----|------|------|------|------|------|------|--------|
| all | 1.35 | 0.49 | 1.84 | 1.51 | 0.46 | 1.96 | 113969 |
|-----|------|------|------|------|------|------|--------|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---|------------------------------|-------------|------|---------------------------------|-------------|------|--|
| | <i>kharif</i> | <i>rabi</i> | all | <i>kharif</i> | <i>rabi</i> | all | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Manipur | | | | | | | |
| nil (< 0.01) | 0.80 | 0.05 | 0.85 | 0.49 | 0.66 | 1.15 | 224 |
| 00.01 - 00.20 | 0.02 | 0.05 | 0.07 | 0.04 | 0.04 | 0.08 | 15 |
| 00.21 - 00.50 | 0.26 | 0.10 | 0.36 | 0.21 | 0.11 | 0.32 | 159 |
| 00.51 - 01.00 | 0.66 | 0.07 | 0.73 | 0.51 | 0.16 | 0.66 | 564 |
| 01.01 - 02.00 | 1.22 | 0.07 | 1.29 | 0.86 | 0.25 | 1.13 | 414 |
| 02.01 - 04.00 | 2.08 | 0.04 | 2.12 | 1.61 | 0.56 | 2.18 | 164 |
| 04.01 - 10.00 | - | - | - | 2.39 | 0.40 | 2.79 | 28 |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 0.63 | 0.07 | 0.70 | 0.51 | 0.22 | 0.74 | 1566 |
| Meghalaya | | | | | | | |
| nil (< 0.01) | - | - | - | 0.10 | 0.04 | 0.13 | 2 |
| 00.01 - 00.20 | - | 0.09 | 0.09 | 0.22 | 0.05 | 0.27 | 102 |
| 00.21 - 00.50 | - | - | - | 0.28 | 0.11 | 0.39 | 302 |
| 00.51 - 01.00 | - | 0.50 | 0.50 | 0.55 | 0.28 | 0.83 | 658 |
| 01.01 - 02.00 | - | - | - | 0.84 | 0.44 | 1.28 | 777 |
| 02.01 - 04.00 | - | - | - | 1.51 | 0.69 | 2.21 | 938 |
| 04.01 - 10.00 | - | - | - | 3.64 | 0.61 | 4.25 | 391 |
| 10.01 & above | - | - | - | - | - | - | - |
| all | - | 0.47 | 0.47 | 0.72 | 0.30 | 1.02 | 3171 |
| Mizoram | | | | | | | |
| nil (< 0.01) | - | - | - | 0.55 | 0.17 | 0.72 | 74 |
| 00.01 - 00.20 | - | - | - | 0.63 | 0.11 | 0.74 | 251 |
| 00.21 - 00.50 | - | - | - | 0.69 | 0.03 | 0.72 | 31 |
| 00.51 - 01.00 | - | - | - | 0.76 | 0.12 | 0.88 | 48 |
| 01.01 - 02.00 | - | - | - | 1.06 | 0.03 | 1.08 | 72 |
| 02.01 - 04.00 | - | - | - | 1.70 | 0.07 | 1.77 | 25 |
| 04.01 - 10.00 | - | - | - | 1.93 | 0.07 | 2.00 | 7 |
| 10.01 & above | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | |
|-----|---|---|---|------|------|------|-----|
| all | - | - | - | 0.71 | 0.11 | 0.81 | 508 |
|-----|---|---|---|------|------|------|-----|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| size-class of ownership holding (ha) | in villages with govt. canal | | | in villages without govt. canal | | | est. area under major crops (00 ha) |
|---|------------------------------|-------------|-------------|---------------------------------|-------------|-------------|--|
| | <i>kharif</i> | <i>rabi</i> | all | <i>kharif</i> | <i>rabi</i> | all | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Nagaland | | | | | | | |
| nil (< 0.01) | - | - | - | 0.96 | 0.67 | 1.63 | 26 |
| 00.01 - 00.20 | - | - | - | 0.09 | 0.03 | 0.12 | 3 |
| 00.21 - 00.50 | - | - | - | 0.19 | 0.09 | 0.27 | 10 |
| 00.51 - 01.00 | - | - | - | 0.49 | 0.31 | 0.80 | 62 |
| 01.01 - 02.00 | - | - | - | 0.90 | 0.69 | 1.59 | 302 |
| 02.01 - 04.00 | - | - | - | 1.45 | 1.02 | 2.47 | 813 |
| 04.01 - 10.00 | - | - | - | 4.55 | 2.36 | 7.00 | 891 |
| 10.01 & above | - | - | - | 8.01 | 3.74 | 11.75 | 84 |
| all | - | - | - | 1.67 | 1.03 | 2.71 | 2190 |
| Orissa | | | | | | | |
| nil (< 0.01) | 0.05 | 0.01 | 0.07 | 0.46 | 0.01 | 0.47 | 64 |
| 00.01 - 00.20 | 0.15 | 0.02 | 0.17 | 0.18 | 0.02 | 0.20 | 1130 |
| 00.21 - 00.50 | 0.37 | 0.06 | 0.43 | 0.35 | 0.05 | 0.40 | 4953 |
| 00.51 - 01.00 | 0.69 | 0.12 | 0.81 | 0.72 | 0.10 | 0.83 | 8882 |
| 01.01 - 02.00 | 1.21 | 0.24 | 1.45 | 1.27 | 0.16 | 1.43 | 10467 |
| 02.01 - 04.00 | 2.14 | 0.56 | 2.69 | 2.32 | 0.39 | 2.70 | 7779 |
| 04.01 - 10.00 | 4.50 | 1.44 | 5.94 | 5.13 | 0.76 | 5.89 | 3596 |
| 10.01 & above | 12.20 | 5.80 | 18.00 | 8.00 | - | 8.00 | 1406 |
| all | 0.81 | 0.18 | 0.99 | 0.83 | 0.11 | 0.94 | 38276 |
| Punjab | | | | | | | |
| nil (< 0.01) | 4.00 | 3.10 | 7.10 | 2.11 | 2.11 | 4.22 | 257 |
| 00.01 - 00.20 | 0.38 | 0.37 | 0.75 | 0.17 | 0.21 | 0.39 | 234 |
| 00.21 - 00.50 | 0.34 | 0.36 | 0.69 | 0.32 | 0.37 | 0.69 | 781 |
| 00.51 - 01.00 | 0.98 | 0.99 | 1.97 | 0.95 | 1.02 | 1.97 | 2881 |
| 01.01 - 02.00 | 1.57 | 1.68 | 3.25 | 1.19 | 1.29 | 2.49 | 8373 |
| 02.01 - 04.00 | 2.92 | 2.87 | 5.79 | 2.37 | 2.46 | 4.83 | 11713 |
| 04.01 - 10.00 | 5.65 | 5.45 | 11.10 | 4.67 | 4.81 | 9.48 | 16504 |
| 10.01 & above | 12.39 | 12.60 | 24.99 | 11.07 | 12.09 | 23.16 | 9200 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | |
|-----|------|------|------|------|------|------|-------|
| all | 2.97 | 2.96 | 5.93 | 1.88 | 1.99 | 3.88 | 49942 |
|-----|------|------|------|------|------|------|-------|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (3): Differential between villages with government canal and other villages in respect of average area (0.00 ha) under five major crops* sown by households, by season and size-class of household ownership holding

| size-class of ownership holding (ha) | in villages with govt. canal | | | in villages without govt. canal | | | est. area under major crops (00 ha) |
|---|------------------------------|-------------|-------|---------------------------------|-------------|-------|--|
| | <i>kharif</i> | <i>rabi</i> | all | <i>kharif</i> | <i>rabi</i> | all | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Rajasthan | | | | | | | |
| nil (< 0.01) | - | 0.44 | 0.44 | 1.36 | 2.00 | 3.37 | 985 |
| 00.01 - 00.20 | 0.82 | 1.14 | 1.96 | 0.18 | 0.17 | 0.35 | 1461 |
| 00.21 - 00.50 | 0.34 | 0.32 | 0.66 | 0.39 | 0.32 | 0.71 | 5472 |
| 00.51 - 01.00 | 0.59 | 0.62 | 1.21 | 0.63 | 0.46 | 1.09 | 9512 |
| 01.01 - 02.00 | 1.16 | 1.10 | 2.26 | 1.12 | 0.84 | 1.97 | 22182 |
| 02.01 - 04.00 | 2.04 | 2.26 | 4.30 | 2.19 | 1.51 | 3.70 | 36728 |
| 04.01 - 10.00 | 4.14 | 4.86 | 9.00 | 4.50 | 2.37 | 6.87 | 56934 |
| 10.01 & above | 8.91 | 9.50 | 18.41 | 10.31 | 5.16 | 15.47 | 32144 |
| all | 1.95 | 2.14 | 4.09 | 1.99 | 1.22 | 3.21 | 165418 |
| Sikkim | | | | | | | |
| nil (< 0.01) | 0.13 | 0.08 | 0.21 | 0.31 | 0.28 | 0.59 | 32 |
| 00.01 - 00.20 | 0.26 | 0.03 | 0.28 | 0.14 | 0.07 | 0.22 | 22 |
| 00.21 - 00.50 | 0.33 | 0.07 | 0.40 | 0.24 | 0.15 | 0.40 | 72 |
| 00.51 - 01.00 | 0.55 | 0.12 | 0.67 | 0.52 | 0.24 | 0.75 | 92 |
| 01.01 - 02.00 | 0.75 | 0.17 | 0.92 | 0.86 | 0.54 | 1.41 | 114 |
| 02.01 - 04.00 | 2.01 | 0.08 | 2.09 | 1.52 | 0.82 | 2.35 | 89 |
| 04.01 - 10.00 | - | - | - | 2.46 | 1.43 | 3.89 | 13 |
| 10.01 & above | - | - | - | 2.84 | 2.27 | 5.11 | 4 |
| all | 0.45 | 0.08 | 0.53 | 0.49 | 0.29 | 0.78 | 438 |
| Tamil Nadu | | | | | | | |
| nil (< 0.01) | 0.42 | 0.10 | 0.52 | 0.21 | 0.19 | 0.40 | 299 |
| 00.01 - 00.20 | 0.10 | 0.06 | 0.15 | 0.10 | 0.07 | 0.17 | 690 |
| 00.21 - 00.50 | 0.26 | 0.18 | 0.44 | 0.25 | 0.17 | 0.42 | 4450 |
| 00.51 - 01.00 | 0.54 | 0.37 | 0.91 | 0.47 | 0.37 | 0.84 | 7714 |
| 01.01 - 02.00 | 1.00 | 0.70 | 1.69 | 0.91 | 0.59 | 1.50 | 9283 |
| 02.01 - 04.00 | 1.64 | 1.27 | 2.90 | 1.53 | 0.92 | 2.45 | 7008 |
| 04.01 - 10.00 | 2.98 | 2.48 | 5.46 | 3.30 | 1.47 | 4.77 | 4817 |
| 10.01 & above | 10.00 | 2.00 | 12.00 | 6.21 | 6.21 | 12.43 | 603 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | |
|-----|------|------|------|------|------|------|-------|
| all | 0.64 | 0.45 | 1.09 | 0.60 | 0.39 | 0.99 | 34863 |
|-----|------|------|------|------|------|------|-------|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (3): Differential between villages with government canal and other villages in respect of average area (0.00 ha) under five major crops* sown by households, by season and size-class of household ownership holding

| size-class of ownership holding (ha) | in villages with govt. canal | | | in villages without govt. canal | | | est. area under major crops (00 ha) |
|---|------------------------------|-------------|-------|---------------------------------|-------------|-------|--|
| | <i>kharif</i> | <i>rabi</i> | all | <i>kharif</i> | <i>rabi</i> | all | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Tripura | | | | | | | |
| nil (< 0.01) | - | - | - | 0.51 | 0.03 | 0.54 | 15 |
| 00.01 - 00.20 | 0.13 | 0.05 | 0.18 | 0.07 | 0.05 | 0.13 | 66 |
| 00.21 - 00.50 | 0.27 | 0.12 | 0.39 | 0.16 | 0.19 | 0.35 | 323 |
| 00.51 - 01.00 | 0.63 | 0.16 | 0.79 | 0.44 | 0.35 | 0.79 | 515 |
| 01.01 - 02.00 | 0.93 | 0.51 | 1.44 | 1.01 | 0.48 | 1.49 | 318 |
| 02.01 - 04.00 | 1.74 | 1.24 | 2.98 | 1.17 | 0.64 | 1.81 | 147 |
| 04.01 - 10.00 | - | - | - | 3.44 | 0.60 | 4.04 | 32 |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 0.48 | 0.21 | 0.69 | 0.34 | 0.24 | 0.58 | 1415 |
| Uttar Pradesh | | | | | | | |
| nil (< 0.01) | 0.68 | 0.53 | 1.21 | 0.62 | 1.02 | 1.64 | 942 |
| 00.01 - 00.20 | 0.13 | 0.13 | 0.26 | 0.13 | 0.14 | 0.27 | 8230 |
| 00.21 - 00.50 | 0.31 | 0.32 | 0.63 | 0.27 | 0.30 | 0.58 | 29992 |
| 00.51 - 01.00 | 0.62 | 0.65 | 1.27 | 0.58 | 0.61 | 1.19 | 49080 |
| 01.01 - 02.00 | 1.05 | 1.12 | 2.17 | 1.01 | 1.09 | 2.10 | 62695 |
| 02.01 - 04.00 | 1.81 | 2.05 | 3.88 | 1.94 | 2.03 | 3.97 | 55575 |
| 04.01 - 10.00 | 3.36 | 4.78 | 8.14 | 3.44 | 3.93 | 7.37 | 38392 |
| 10.01 & above | 5.39 | 8.84 | 14.24 | 6.95 | 7.11 | 14.06 | 5587 |
| all | 0.73 | 0.83 | 1.56 | 0.68 | 0.74 | 1.42 | 250492 |
| West Bengal | | | | | | | |
| nil (< 0.01) | 0.28 | 0.08 | 0.36 | 0.72 | 0.27 | 0.99 | 1795 |
| 00.01 - 00.20 | 0.13 | 0.10 | 0.22 | 0.11 | 0.07 | 0.18 | 2917 |
| 00.21 - 00.50 | 0.29 | 0.20 | 0.49 | 0.29 | 0.18 | 0.47 | 9347 |
| 00.51 - 01.00 | 0.67 | 0.42 | 1.09 | 0.67 | 0.37 | 1.04 | 15448 |
| 01.01 - 02.00 | 1.29 | 0.60 | 1.89 | 1.21 | 0.64 | 1.85 | 12485 |
| 02.01 - 04.00 | 2.56 | 0.97 | 3.53 | 2.29 | 1.11 | 3.40 | 7423 |
| 04.01 - 10.00 | 2.44 | 1.90 | 4.34 | 4.22 | 3.50 | 7.73 | 1293 |
| 10.01 & above | - | - | - | 0.60 | 2.86 | 3.46 | 83 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | |
|-----|------|------|------|------|------|------|-------|
| all | 0.52 | 0.29 | 0.81 | 0.55 | 0.30 | 0.85 | 50792 |
|-----|------|------|------|------|------|------|-------|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (3): Differential between villages with government canal and other villages in respect of average area (0.00 ha) under five major crops* sown by households, by season and size-class of household ownership holding

| size-class of ownership holding (ha) | in villages with govt. canal | | | in villages without govt. canal | | | est. area under major crops (00 ha) |
|---|------------------------------|-------------|-------------|---------------------------------|-------------|-------------|--|
| | <i>kharif</i> | <i>rabi</i> | all | <i>kharif</i> | <i>rabi</i> | all | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| A. & N. Islands | | | | | | | |
| nil (< 0.01) | - | - | - | 1.10 | 0.07 | 1.17 | 39 |
| 00.01 - 00.20 | 0.02 | - | 0.02 | 0.01 | 0.01 | 0.02 | 0 |
| 00.21 - 00.50 | 0.32 | 0.26 | 0.58 | 0.09 | 0.08 | 0.17 | 2 |
| 00.51 - 01.00 | 0.56 | 0.08 | 0.64 | 0.27 | 0.19 | 0.46 | 9 |
| 01.01 - 02.00 | 1.34 | 0.19 | 1.52 | 0.85 | 0.10 | 0.95 | 22 |
| 02.01 - 04.00 | 2.61 | 0.30 | 2.91 | 1.68 | 0.44 | 2.12 | 48 |
| 04.01 - 10.00 | 3.00 | 0.63 | 3.63 | 2.40 | 0.41 | 2.82 | 17 |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 1.25 | 0.19 | 1.44 | 1.02 | 0.18 | 1.20 | 138 |
| India | | | | | | | |
| nil (< 0.01) | 0.50 | 0.32 | 0.82 | 0.66 | 0.46 | 1.13 | 11503 |
| 00.01 - 00.20 | 0.15 | 0.12 | 0.26 | 0.12 | 0.08 | 0.20 | 26575 |
| 00.21 - 00.50 | 0.33 | 0.24 | 0.57 | 0.30 | 0.21 | 0.51 | 100803 |
| 00.51 - 01.00 | 0.65 | 0.48 | 1.13 | 0.62 | 0.39 | 1.02 | 188584 |
| 01.01 - 02.00 | 1.18 | 0.85 | 2.03 | 1.13 | 0.69 | 1.82 | 304245 |
| 02.01 - 04.00 | 2.07 | 1.67 | 3.75 | 2.10 | 1.25 | 3.34 | 336368 |
| 04.01 - 10.00 | 4.08 | 3.56 | 7.64 | 4.16 | 2.40 | 6.57 | 323143 |
| 10.01 & above | 9.82 | 8.61 | 18.44 | 9.83 | 5.89 | 15.73 | 117611 |
| all | 1.00 | 0.79 | 1.80 | 1.05 | 0.64 | 1.69 | 1408832 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Andhra Pradesh | | | | | | | | |
|--|-------------|--------------------------------|--------|-----|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | 43 | 350 | 606 | 957 | 1000 | 474 | 564 | 20 |
| 00.01 - 00.20 | 178 | 322 | 499 | 822 | 1000 | 680 | 2251 | 99 |
| 00.21 - 00.50 | 201 | 312 | 487 | 799 | 1000 | 3010 | 4903 | 229 |
| 00.51 - 01.00 | 163 | 286 | 552 | 837 | 1000 | 4155 | 4195 | 176 |
| 01.01 - 02.00 | 123 | 237 | 640 | 877 | 1000 | 6665 | 3312 | 136 |
| 02.01 - 04.00 | 282 | 233 | 485 | 718 | 1000 | 5346 | 1773 | 78 |
| 04.01 - 10.00 | 63 | 130 | 808 | 937 | 1000 | 6348 | 1095 | 47 |
| 10.01 & above | 104 | - | 896 | 896 | 1000 | 2204 | 172 | 6 |
| all | 169 | 273 | 558 | 831 | 1000 | 28882 | 18264 | 791 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 119 | 324 | 557 | 881 | 1000 | 324 | 172 | 10 |
| 00.01 - 00.20 | 139 | 453 | 407 | 861 | 1000 | 387 | 2087 | 102 |
| 00.21 - 00.50 | 309 | 258 | 433 | 691 | 1000 | 3327 | 7989 | 394 |
| 00.51 - 01.00 | 297 | 222 | 480 | 703 | 1000 | 6849 | 8546 | 414 |
| 01.01 - 02.00 | 256 | 268 | 475 | 744 | 1000 | 10826 | 7458 | 360 |
| 02.01 - 04.00 | 220 | 267 | 513 | 780 | 1000 | 13400 | 5188 | 265 |
| 04.01 - 10.00 | 162 | 172 | 666 | 838 | 1000 | 12741 | 2360 | 117 |
| 10.01 & above | 17 | 170 | 813 | 983 | 1000 | 4496 | 323 | 19 |
| all | 257 | 258 | 485 | 743 | 1000 | 52350 | 34123 | 1681 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 74 | 311 | 615 | 926 | 1000 | 1109 | 816 | 35 |
| 00.01 - 00.20 | 159 | 383 | 459 | 841 | 1000 | 1077 | 4366 | 203 |
| 00.21 - 00.50 | 270 | 277 | 454 | 730 | 1000 | 6374 | 12989 | 627 |
| 00.51 - 01.00 | 254 | 241 | 505 | 746 | 1000 | 11125 | 12848 | 596 |
| 01.01 - 02.00 | 215 | 257 | 527 | 785 | 1000 | 17640 | 10837 | 499 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|-----|-----|-----|------|-------|-------|------|
| 02.01 - 04.00 | 236 | 256 | 509 | 764 | 1000 | 19148 | 7035 | 347 |
| 04.01 - 10.00 | 131 | 158 | 711 | 869 | 1000 | 19089 | 3455 | 164 |
| 10.01 & above | 47 | 111 | 842 | 953 | 1000 | 6700 | 495 | 25 |
| all | 227 | 261 | 512 | 773 | 1000 | 82260 | 52840 | 2496 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Arunachal Pradesh | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(<0.01) | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 1000 | - | - | - | 1000 | 0 | 4 | 1 |
| 00.21 - 00.50 | 1000 | - | - | - | 1000 | 7 | 30 | 8 |
| 00.51 - 01.00 | 508 | - | 492 | 492 | 1000 | 2 | 6 | 3 |
| 01.01 - 02.00 | 803 | - | 197 | 197 | 1000 | 9 | 33 | 12 |
| 02.01 - 04.00 | - | 189 | 811 | 1000 | 1000 | 22 | 29 | 20 |
| 04.01 - 10.00 | - | 500 | 500 | 1000 | 1000 | 37 | 33 | 23 |
| 10.01 & above | 1000 | - | - | - | 1000 | 20 | 3 | 1 |
| all | 483 | 159 | 358 | 517 | 1000 | 98 | 138 | 68 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(<0.01) | 936 | - | 64 | 64 | 1000 | 142 | 198 | 68 |
| 00.01 - 00.20 | 738 | - | 262 | 262 | 1000 | 6 | 66 | 30 |
| 00.21 - 00.50 | 401 | 24 | 575 | 599 | 1000 | 51 | 155 | 71 |
| 00.51 - 01.00 | 663 | 4 | 334 | 337 | 1000 | 112 | 208 | 102 |
| 01.01 - 02.00 | 659 | 44 | 298 | 341 | 1000 | 276 | 254 | 111 |
| 02.01 - 04.00 | 712 | 49 | 239 | 288 | 1000 | 285 | 136 | 70 |
| 04.01 - 10.00 | 959 | 9 | 31 | 41 | 1000 | 244 | 128 | 63 |
| 10.01 & above | 1000 | - | - | - | 1000 | 42 | 8 | 7 |
| all | 719 | 20 | 261 | 281 | 1000 | 1158 | 1153 | 522 |
| <i>All villages</i> | | | | | | | | |
| nil(<0.01) | 914 | 23 | 62 | 86 | 1000 | 142 | 203 | 70 |
| 00.01 - 00.20 | 665 | 60 | 274 | 335 | 1000 | 10 | 79 | 34 |
| 00.21 - 00.50 | 487 | 44 | 469 | 513 | 1000 | 61 | 190 | 81 |
| 00.51 - 01.00 | 637 | 14 | 348 | 363 | 1000 | 117 | 221 | 108 |
| 01.01 - 02.00 | 664 | 38 | 298 | 336 | 1000 | 287 | 292 | 125 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|------|-----|-----|-----|------|------|------|-----|
| 02.01 - 04.00 | 586 | 74 | 340 | 414 | 1000 | 307 | 165 | 90 |
| 04.01 - 10.00 | 763 | 110 | 127 | 237 | 1000 | 281 | 161 | 86 |
| 10.01 & above | 1000 | - | - | - | 1000 | 62 | 11 | 8 |
| all | 678 | 47 | 275 | 322 | 1000 | 1266 | 1321 | 602 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Assam | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01.) | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 1000 | - | - | - | 1000 | 1 | 11 | 1 |
| 00.21 - 00.50 | 119 | 309 | 572 | 881 | 1000 | 81 | 149 | 10 |
| 00.51 - 01.00 | 125 | 203 | 673 | 875 | 1000 | 178 | 170 | 13 |
| 01.01 - 02.00 | 172 | 319 | 509 | 828 | 1000 | 316 | 180 | 12 |
| 02.01 - 04.00 | - | - | 1000 | 1000 | 1000 | 210 | 50 | 5 |
| 04.01 - 10.00 | 333 | - | 667 | 667 | 1000 | 196 | 29 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 154 | 234 | 612 | 846 | 1000 | 981 | 590 | 44 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 951 | 32 | 17 | 49 | 1000 | 204 | 552 | 63 |
| 00.01 - 00.20 | 863 | 32 | 105 | 137 | 1000 | 386 | 3060 | 300 |
| 00.21 - 00.50 | 794 | 57 | 149 | 206 | 1000 | 1489 | 3802 | 411 |
| 00.51 - 01.00 | 757 | 102 | 141 | 243 | 1000 | 5822 | 6522 | 572 |
| 01.01 - 02.00 | 795 | 56 | 150 | 205 | 1000 | 10535 | 6624 | 556 |
| 02.01 - 04.00 | 727 | 49 | 224 | 273 | 1000 | 7515 | 2434 | 196 |
| 04.01 - 10.00 | 675 | 52 | 274 | 325 | 1000 | 2821 | 479 | 38 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 787 | 64 | 148 | 213 | 1000 | 28773 | 23473 | 2136 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 951 | 32 | 17 | 49 | 1000 | 204 | 552 | 63 |
| 00.01 - 00.20 | 862 | 35 | 102 | 138 | 1000 | 394 | 3132 | 307 |
| 00.21 - 00.50 | 769 | 69 | 161 | 231 | 1000 | 1640 | 4041 | 432 |
| 00.51 - 01.00 | 740 | 111 | 149 | 260 | 1000 | 6278 | 6940 | 603 |
| 01.01 - 02.00 | 773 | 67 | 161 | 227 | 1000 | 11087 | 6968 | 582 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | |
|---------------|-----|----|-----|-----|------|-------|-------|------|
| 02.01 - 04.00 | 713 | 47 | 241 | 287 | 1000 | 7850 | 2536 | 205 |
| 04.01 - 10.00 | 664 | 48 | 289 | 336 | 1000 | 3164 | 520 | 42 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 770 | 72 | 158 | 230 | 1000 | 30618 | 24689 | 2234 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Bhar | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | 481 | 284 | 236 | 519 | 1000 | 466 | 657 | 37 |
| 00.01 - 00.20 | 211 | 613 | 176 | 789 | 1000 | 1078 | 4214 | 208 |
| 00.21 - 00.50 | 101 | 615 | 284 | 899 | 1000 | 3860 | 5020 | 252 |
| 00.51 - 01.00 | 88 | 604 | 308 | 912 | 1000 | 5569 | 3669 | 175 |
| 01.01 - 02.00 | 43 | 510 | 447 | 957 | 1000 | 7601 | 3131 | 148 |
| 02.01 - 04.00 | 42 | 273 | 686 | 958 | 1000 | 8259 | 1727 | 87 |
| 04.01 - 10.00 | 26 | 201 | 773 | 974 | 1000 | 6276 | 733 | 39 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 2842 | 108 | 6 |
| all | 117 | 534 | 349 | 883 | 1000 | 35951 | 19258 | 952 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 495 | 298 | 207 | 505 | 1000 | 3259 | 3063 | 159 |
| 00.01 - 00.20 | 277 | 543 | 180 | 723 | 1000 | 3282 | 15419 | 801 |
| 00.21 - 00.50 | 333 | 566 | 101 | 667 | 1000 | 10357 | 18279 | 975 |
| 00.51 - 01.00 | 322 | 504 | 174 | 678 | 1000 | 18736 | 16340 | 797 |
| 01.01 - 02.00 | 295 | 450 | 255 | 705 | 1000 | 26288 | 12777 | 632 |
| 02.01 - 04.00 | 175 | 376 | 449 | 825 | 1000 | 19210 | 4984 | 242 |
| 04.01 - 10.00 | 56 | 404 | 540 | 944 | 1000 | 11050 | 1580 | 72 |
| 10.01 & above | - | 203 | 797 | 1000 | 1000 | 5316 | 171 | 8 |
| all | 301 | 498 | 201 | 699 | 1000 | 97498 | 72612 | 3686 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 496 | 294 | 211 | 504 | 1000 | 3740 | 3743 | 197 |
| 00.01 - 00.20 | 262 | 558 | 180 | 738 | 1000 | 4376 | 19828 | 1015 |
| 00.21 - 00.50 | 283 | 578 | 139 | 717 | 1000 | 14383 | 23571 | 1234 |
| 00.51 - 01.00 | 278 | 523 | 199 | 722 | 1000 | 24522 | 20184 | 976 |
| 01.01 - 02.00 | 247 | 461 | 292 | 753 | 1000 | 33955 | 15932 | 781 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|-----|-----|------|------|--------|-------|------|
| 02.01 - 04.00 | 139 | 344 | 517 | 861 | 1000 | 28125 | 6811 | 331 |
| 04.01 - 10.00 | 47 | 340 | 614 | 953 | 1000 | 17326 | 2313 | 111 |
| 10.01 & above | - | 124 | 876 | 1000 | 1000 | 8158 | 278 | 14 |
| all | 262 | 506 | 232 | 738 | 1000 | 134585 | 92660 | 4659 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Haryana | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | - | 1000 | - | 1000 | 1000 | 266 | 109 | 5 |
| 00.01 - 00.20 | - | 564 | 436 | 1000 | 1000 | 1338 | 503 | 23 |
| 00.21 - 00.50 | 46 | 644 | 310 | 954 | 1000 | 1363 | 943 | 42 |
| 00.51 - 01.00 | 63 | 497 | 439 | 937 | 1000 | 1675 | 950 | 43 |
| 01.01 - 02.00 | 39 | 322 | 640 | 961 | 1000 | 4166 | 1562 | 65 |
| 02.01 - 04.00 | 33 | 270 | 697 | 967 | 1000 | 5741 | 1214 | 52 |
| 04.01 - 10.00 | 71 | 151 | 778 | 929 | 1000 | 8014 | 937 | 40 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 2438 | 121 | 5 |
| all | 43 | 386 | 572 | 957 | 1000 | 25000 | 6339 | 275 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | 751 | 249 | 1000 | 1000 | 27 | 70 | 4 |
| 00.21 - 00.50 | 129 | 587 | 284 | 871 | 1000 | 578 | 908 | 48 |
| 00.51 - 01.00 | 160 | 378 | 462 | 840 | 1000 | 1232 | 889 | 42 |
| 01.01 - 02.00 | 123 | 297 | 580 | 877 | 1000 | 3482 | 1359 | 71 |
| 02.01 - 04.00 | 39 | 246 | 715 | 961 | 1000 | 4467 | 1069 | 59 |
| 04.01 - 10.00 | 68 | 91 | 842 | 932 | 1000 | 4188 | 624 | 33 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 1607 | 82 | 6 |
| all | 102 | 329 | 569 | 898 | 1000 | 15581 | 5000 | 263 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | - | 1000 | - | 1000 | 1000 | 266 | 109 | 5 |
| 00.01 - 00.20 | - | 587 | 413 | 1000 | 1000 | 1365 | 573 | 27 |
| 00.21 - 00.50 | 87 | 616 | 297 | 913 | 1000 | 1940 | 1851 | 90 |
| 00.51 - 01.00 | 110 | 440 | 450 | 890 | 1000 | 2907 | 1839 | 85 |
| 01.01 - 02.00 | 77 | 322 | 601 | 923 | 1000 | 7757 | 2973 | 138 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|----|-----|------|------|------|-------|-------|-----|
| 02.01 - 04.00 | 35 | 250 | 715 | 965 | 1000 | 10536 | 2362 | 116 |
| 04.01 - 10.00 | 67 | 123 | 810 | 933 | 1000 | 12695 | 1613 | 77 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 4622 | 229 | 13 |
| all | 68 | 359 | 574 | 932 | 1000 | 42089 | 11548 | 551 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State:Himachal Pradesh | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 256 | - | 744 | 744 | 1000 | 33 | 140 | 25 |
| 00.21 - 00.50 | 134 | - | 866 | 866 | 1000 | 114 | 187 | 32 |
| 00.51 - 01.00 | 133 | 48 | 819 | 867 | 1000 | 97 | 94 | 17 |
| 01.01 - 02.00 | - | - | 1000 | 1000 | 1000 | 19 | 14 | 3 |
| 02.01 - 04.00 | - | - | - | - | - | - | - | - |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 169 | 10 | 821 | 831 | 1000 | 263 | 434 | 77 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 1000 | - | - | - | 1000 | 34 | 45 | 8 |
| 00.01 - 00.20 | 746 | 33 | 221 | 254 | 1000 | 317 | 1543 | 295 |
| 00.21 - 00.50 | 799 | 30 | 171 | 201 | 1000 | 1484 | 2732 | 514 |
| 00.51 - 01.00 | 797 | 36 | 167 | 203 | 1000 | 2098 | 2079 | 380 |
| 01.01 - 02.00 | 717 | 61 | 222 | 283 | 1000 | 2210 | 1253 | 236 |
| 02.01 - 04.00 | 681 | 46 | 273 | 319 | 1000 | 1423 | 502 | 95 |
| 04.01 - 10.00 | 539 | 95 | 367 | 461 | 1000 | 517 | 95 | 20 |
| 10.01 & above | 876 | - | 124 | 124 | 1000 | 111 | 35 | 7 |
| all | 768 | 38 | 194 | 232 | 1000 | 8194 | 8284 | 1555 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 1000 | - | - | - | 1000 | 34 | 45 | 8 |
| 00.01 - 00.20 | 704 | 30 | 266 | 296 | 1000 | 351 | 1691 | 322 |
| 00.21 - 00.50 | 757 | 28 | 215 | 243 | 1000 | 1606 | 2939 | 550 |
| 00.51 - 01.00 | 766 | 36 | 198 | 234 | 1000 | 2228 | 2208 | 404 |
| 01.01 - 02.00 | 708 | 60 | 232 | 292 | 1000 | 2245 | 1277 | 241 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|----|-----|-----|------|------|------|------|
| 02.01 - 04.00 | 676 | 44 | 279 | 324 | 1000 | 1474 | 522 | 99 |
| 04.01 - 10.00 | 593 | 83 | 323 | 407 | 1000 | 538 | 108 | 22 |
| 10.01 & above | 876 | - | 124 | 124 | 1000 | 111 | 35 | 7 |
| all | 737 | 36 | 227 | 263 | 1000 | 8587 | 8825 | 1653 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Jammu & Kashmir

| size-class of ownership holding (ha) | unirri- gated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
|--|------------------|-----------------------------------|--------|------|------|---|--------------------------|--------|
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | - | - | 1000 | 1000 | 1000 | 1 | 3 | 1 |
| 00.01 - 00.20 | 151 | 18 | 831 | 849 | 1000 | 104 | 421 | 85 |
| 00.21 - 00.50 | 119 | 22 | 859 | 881 | 1000 | 572 | 1306 | 260 |
| 00.51 - 01.00 | 237 | 15 | 748 | 763 | 1000 | 727 | 708 | 136 |
| 01.01 - 02.00 | 245 | 43 | 713 | 755 | 1000 | 903 | 411 | 101 |
| 02.01 - 04.00 | 258 | - | 742 | 742 | 1000 | 685 | 174 | 43 |
| 04.01 - 10.00 | 177 | - | 823 | 823 | 1000 | 262 | 37 | 11 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 176 | 21 | 803 | 824 | 1000 | 3253 | 3058 | 637 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 59 | - | 941 | 941 | 1000 | 4 | 8 | 3 |
| 00.01 - 00.20 | 224 | 18 | 758 | 776 | 1000 | 121 | 619 | 133 |
| 00.21 - 00.50 | 259 | 25 | 716 | 741 | 1000 | 891 | 1502 | 318 |
| 00.51 - 01.00 | 353 | 65 | 583 | 647 | 1000 | 1421 | 1270 | 256 |
| 01.01 - 02.00 | 566 | 94 | 340 | 434 | 1000 | 1116 | 586 | 141 |
| 02.01 - 04.00 | 674 | 45 | 281 | 326 | 1000 | 650 | 179 | 41 |
| 04.01 - 10.00 | 557 | - | 443 | 443 | 1000 | 89 | 14 | 6 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 344 | 46 | 610 | 656 | 1000 | 4293 | 4178 | 898 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 46 | - | 954 | 954 | 1000 | 5 | 11 | 4 |
| 00.01 - 00.20 | 194 | 18 | 787 | 806 | 1000 | 225 | 1039 | 218 |
| 00.21 - 00.50 | 194 | 23 | 783 | 806 | 1000 | 1464 | 2807 | 578 |
| 00.51 - 01.00 | 311 | 47 | 642 | 689 | 1000 | 2149 | 1978 | 392 |
| 01.01 - 02.00 | 433 | 73 | 494 | 567 | 1000 | 2018 | 997 | 242 |
| 02.01 - 04.00 | 469 | 23 | 509 | 531 | 1000 | 1335 | 353 | 84 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|----|-----|-----|------|------|------|------|
| 04.01 - 10.00 | 282 | - | 718 | 718 | 1000 | 351 | 51 | 17 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 273 | 36 | 691 | 727 | 1000 | 7547 | 7236 | 1535 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Karnataka | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | 1000 | - | - | - | 1000 | 78 | 24 | 1 |
| 00.01 - 00.20 | 504 | - | 496 | 496 | 1000 | 226 | 1144 | 54 |
| 00.21 - 00.50 | 467 | 27 | 506 | 533 | 1000 | 960 | 2351 | 104 |
| 00.51 - 01.00 | 396 | 38 | 566 | 604 | 1000 | 2708 | 2885 | 119 |
| 01.01 - 02.00 | 332 | 73 | 595 | 668 | 1000 | 5276 | 3189 | 129 |
| 02.01 - 04.00 | 196 | 10 | 794 | 804 | 1000 | 5068 | 1573 | 69 |
| 04.01 - 10.00 | 207 | 54 | 739 | 793 | 1000 | 5028 | 925 | 38 |
| 10.01 & above | - | 92 | 908 | 1000 | 1000 | 3778 | 263 | 12 |
| all | 356 | 40 | 604 | 644 | 1000 | 23123 | 12354 | 526 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 480 | 520 | - | 520 | 1000 | 21 | 122 | 6 |
| 00.01 - 00.20 | 487 | 53 | 460 | 513 | 1000 | 237 | 1682 | 83 |
| 00.21 - 00.50 | 792 | 53 | 155 | 208 | 1000 | 1949 | 4383 | 218 |
| 00.51 - 01.00 | 686 | 112 | 202 | 314 | 1000 | 6424 | 7384 | 326 |
| 01.01 - 02.00 | 589 | 112 | 299 | 411 | 1000 | 15295 | 9133 | 393 |
| 02.01 - 04.00 | 542 | 85 | 373 | 458 | 1000 | 16996 | 5592 | 239 |
| 04.01 - 10.00 | 487 | 41 | 472 | 513 | 1000 | 19933 | 3325 | 146 |
| 10.01 & above | 437 | 82 | 481 | 563 | 1000 | 6619 | 393 | 16 |
| all | 613 | 90 | 297 | 387 | 1000 | 67473 | 32016 | 1427 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 566 | 434 | - | 434 | 1000 | 99 | 146 | 7 |
| 00.01 - 00.20 | 494 | 32 | 474 | 506 | 1000 | 464 | 2826 | 137 |
| 00.21 - 00.50 | 678 | 44 | 278 | 322 | 1000 | 2910 | 6735 | 322 |
| 00.51 - 01.00 | 605 | 91 | 304 | 395 | 1000 | 9132 | 10269 | 445 |
| 01.01 - 02.00 | 522 | 102 | 376 | 478 | 1000 | 20571 | 12321 | 522 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| 02.01 - 04.00 | 466 | 68 | 466 | 534 | 1000 | 22063 | 7165 | 308 |
| 04.01 - 10.00 | 426 | 44 | 530 | 574 | 1000 | 24961 | 4250 | 184 |
| 10.01 & above | 262 | 86 | 652 | 738 | 1000 | 10397 | 656 | 28 |
| all | 541 | 76 | 383 | 459 | 1000 | 90596 | 44369 | 1953 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Kerala | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | 690 | - | 310 | 310 | 1000 | - | 54 | 3 |
| 00.01 - 00.20 | 557 | 40 | 403 | 443 | 1000 | 411 | 6509 | 409 |
| 00.21 - 00.50 | 438 | 43 | 519 | 562 | 1000 | 716 | 2187 | 137 |
| 00.51 - 01.00 | 339 | 30 | 631 | 661 | 1000 | 694 | 993 | 61 |
| 01.01 - 02.00 | 377 | - | 623 | 623 | 1000 | 511 | 452 | 28 |
| 02.01 - 04.00 | 283 | - | 717 | 717 | 1000 | 205 | 134 | 8 |
| 04.01 - 10.00 | - | - | 1000 | 1000 | 1000 | 223 | 51 | 3 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 184 | 17 | 1 |
| all | 497 | 37 | 466 | 503 | 1000 | 2944 | 10395 | 650 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 1000 | - | - | - | 1000 | 1 | 21 | 1 |
| 00.01 - 00.20 | 704 | 12 | 284 | 296 | 1000 | 921 | 15592 | 992 |
| 00.21 - 00.50 | 560 | 43 | 398 | 440 | 1000 | 1219 | 4216 | 282 |
| 00.51 - 01.00 | 479 | 72 | 449 | 521 | 1000 | 1397 | 2382 | 140 |
| 01.01 - 02.00 | 542 | 20 | 438 | 458 | 1000 | 1570 | 1525 | 88 |
| 02.01 - 04.00 | 295 | 125 | 580 | 705 | 1000 | 806 | 351 | 21 |
| 04.01 - 10.00 | 313 | - | 687 | 687 | 1000 | 564 | 119 | 7 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 176 | 15 | 1 |
| all | 639 | 25 | 336 | 361 | 1000 | 6654 | 24220 | 1532 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 778 | - | 222 | 222 | 1000 | 1 | 75 | 4 |
| 00.01 - 00.20 | 661 | 20 | 319 | 339 | 1000 | 1332 | 22100 | 1401 |
| 00.21 - 00.50 | 518 | 43 | 439 | 482 | 1000 | 1935 | 6402 | 419 |
| 00.51 - 01.00 | 438 | 60 | 502 | 562 | 1000 | 2091 | 3374 | 201 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|----|------|------|------|------|-------|------|
| 01.01 - 02.00 | 504 | 16 | 480 | 496 | 1000 | 2082 | 1976 | 116 |
| 02.01 - 04.00 | 292 | 91 | 618 | 708 | 1000 | 1011 | 485 | 29 |
| 04.01 - 10.00 | 220 | - | 780 | 780 | 1000 | 787 | 170 | 10 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 360 | 32 | 2 |
| all | 596 | 29 | 375 | 404 | 1000 | 9599 | 34615 | 2182 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Madhya Pradesh | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | 680 | - | 320 | 320 | 1000 | 16 | 42 | 2 |
| 00.01 - 00.20 | 544 | 218 | 239 | 456 | 1000 | 112 | 491 | 26 |
| 00.21 - 00.50 | 396 | 155 | 449 | 604 | 1000 | 1120 | 2368 | 134 |
| 00.51 - 01.00 | 300 | 124 | 576 | 700 | 1000 | 3120 | 2976 | 159 |
| 01.01 - 02.00 | 252 | 163 | 585 | 748 | 1000 | 7247 | 3702 | 190 |
| 02.01 - 04.00 | 174 | 107 | 719 | 826 | 1000 | 10305 | 2733 | 146 |
| 04.01 - 10.00 | 120 | 56 | 824 | 880 | 1000 | 11823 | 1426 | 75 |
| 10.01 & above | - | 78 | 922 | 1000 | 1000 | 4788 | 200 | 11 |
| all | 266 | 132 | 602 | 734 | 1000 | 38530 | 13938 | 743 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 669 | 180 | 151 | 331 | 1000 | 749 | 379 | 19 |
| 00.01 - 00.20 | 733 | 110 | 157 | 267 | 1000 | 407 | 1911 | 110 |
| 00.21 - 00.50 | 670 | 148 | 181 | 330 | 1000 | 3706 | 7178 | 399 |
| 00.51 - 01.00 | 627 | 154 | 219 | 373 | 1000 | 12807 | 11993 | 612 |
| 01.01 - 02.00 | 564 | 180 | 256 | 436 | 1000 | 35208 | 17794 | 915 |
| 02.01 - 04.00 | 526 | 134 | 339 | 474 | 1000 | 55479 | 15959 | 802 |
| 04.01 - 10.00 | 371 | 121 | 509 | 629 | 1000 | 50932 | 6668 | 356 |
| 10.01 & above | 172 | 87 | 741 | 828 | 1000 | 15042 | 828 | 51 |
| all | 559 | 150 | 291 | 441 | 1000 | 174330 | 62709 | 3264 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 670 | 162 | 167 | 330 | 1000 | 765 | 421 | 21 |
| 00.01 - 00.20 | 693 | 129 | 179 | 307 | 1000 | 528 | 2467 | 139 |
| 00.21 - 00.50 | 603 | 150 | 247 | 397 | 1000 | 4893 | 9680 | 539 |
| 00.51 - 01.00 | 561 | 149 | 290 | 439 | 1000 | 15992 | 15036 | 774 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|-----|-----|-----|------|--------|-------|------|
| 01.01 - 02.00 | 511 | 176 | 313 | 489 | 1000 | 42582 | 21560 | 1108 |
| 02.01 - 04.00 | 477 | 129 | 393 | 523 | 1000 | 66204 | 18818 | 954 |
| 04.01 - 10.00 | 329 | 109 | 562 | 671 | 1000 | 63206 | 8158 | 434 |
| 10.01 & above | 138 | 85 | 776 | 862 | 1000 | 19829 | 1028 | 62 |
| all | 506 | 146 | 347 | 494 | 1000 | 213999 | 77168 | 4031 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Maharashtra | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 534 | 241 | 225 | 466 | 1000 | 100 | 605 | 29 |
| 00.21 - 00.50 | 540 | 50 | 411 | 460 | 1000 | 665 | 1663 | 80 |
| 00.51 - 01.00 | 411 | 72 | 517 | 589 | 1000 | 2071 | 2380 | 112 |
| 01.01 - 02.00 | 338 | 60 | 602 | 662 | 1000 | 4914 | 3169 | 143 |
| 02.01 - 04.00 | 337 | 9 | 654 | 663 | 1000 | 5239 | 2014 | 91 |
| 04.01 - 10.00 | 303 | 78 | 619 | 697 | 1000 | 6721 | 1191 | 51 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 708 | 55 | 2 |
| all | 389 | 63 | 548 | 611 | 1000 | 20418 | 11077 | 508 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 877 | - | 123 | 123 | 1000 | 174 | 178 | 7 |
| 00.01 - 00.20 | 698 | 128 | 174 | 302 | 1000 | 727 | 3307 | 159 |
| 00.21 - 00.50 | 735 | 97 | 168 | 265 | 1000 | 2636 | 6686 | 319 |
| 00.51 - 01.00 | 664 | 98 | 237 | 336 | 1000 | 7992 | 9730 | 447 |
| 01.01 - 02.00 | 625 | 77 | 299 | 375 | 1000 | 19072 | 12549 | 593 |
| 02.01 - 04.00 | 563 | 46 | 391 | 437 | 1000 | 25187 | 9224 | 432 |
| 04.01 - 10.00 | 452 | 48 | 500 | 548 | 1000 | 26855 | 5019 | 234 |
| 10.01 & above | 268 | 33 | 699 | 732 | 1000 | 10073 | 771 | 35 |
| all | 618 | 78 | 304 | 382 | 1000 | 92716 | 47463 | 2226 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 877 | - | 123 | 123 | 1000 | 174 | 178 | 7 |
| 00.01 - 00.20 | 672 | 146 | 182 | 328 | 1000 | 827 | 3913 | 188 |
| 00.21 - 00.50 | 696 | 88 | 216 | 304 | 1000 | 3301 | 8349 | 399 |
| 00.51 - 01.00 | 615 | 93 | 292 | 385 | 1000 | 10062 | 12111 | 559 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|----|-----|-----|------|--------|-------|------|
| 01.01 - 02.00 | 568 | 73 | 359 | 432 | 1000 | 24077 | 15774 | 739 |
| 02.01 - 04.00 | 524 | 39 | 436 | 476 | 1000 | 30564 | 11295 | 527 |
| 04.01 - 10.00 | 425 | 54 | 521 | 575 | 1000 | 33809 | 6238 | 287 |
| 10.01 & above | 265 | 29 | 706 | 735 | 1000 | 11154 | 883 | 40 |
| all | 576 | 75 | 350 | 424 | 1000 | 113969 | 58740 | 2746 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Manipur | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(<0.01) | 685 | - | 315 | 315 | 1000 | 8 | 10 | 3 |
| 00.01 - 00.20 | 946 | - | 54 | 54 | 1000 | 4 | 58 | 18 |
| 00.21 - 00.50 | 334 | 269 | 398 | 666 | 1000 | 50 | 142 | 44 |
| 00.51 - 01.00 | 252 | 541 | 207 | 748 | 1000 | 130 | 179 | 42 |
| 01.01 - 02.00 | 180 | 559 | 261 | 820 | 1000 | 114 | 89 | 24 |
| 02.01 - 04.00 | - | 1000 | - | 1000 | 1000 | 40 | 19 | 4 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 343 | 410 | 247 | 657 | 1000 | 347 | 496 | 135 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(<0.01) | 966 | 22 | 12 | 34 | 1000 | 147 | 173 | 75 |
| 00.01 - 00.20 | 875 | 86 | 39 | 125 | 1000 | 8 | 87 | 33 |
| 00.21 - 00.50 | 633 | 65 | 301 | 367 | 1000 | 90 | 284 | 121 |
| 00.51 - 01.00 | 595 | 126 | 279 | 405 | 1000 | 423 | 640 | 210 |
| 01.01 - 02.00 | 608 | 220 | 172 | 392 | 1000 | 277 | 247 | 112 |
| 02.01 - 04.00 | 532 | 342 | 126 | 468 | 1000 | 124 | 57 | 30 |
| 04.01 - 10.00 | 489 | 458 | 53 | 511 | 1000 | 28 | 10 | 6 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 660 | 126 | 214 | 340 | 1000 | 1096 | 1498 | 587 |
| <i>All villages</i> | | | | | | | | |
| nil(<0.01) | 954 | 19 | 26 | 46 | 1000 | 224 | 198 | 80 |
| 00.01 - 00.20 | 926 | 40 | 35 | 74 | 1000 | 15 | 189 | 57 |
| 00.21 - 00.50 | 574 | 117 | 309 | 426 | 1000 | 159 | 483 | 174 |
| 00.51 - 01.00 | 527 | 213 | 259 | 473 | 1000 | 564 | 832 | 256 |
| 01.01 - 02.00 | 519 | 295 | 186 | 481 | 1000 | 414 | 353 | 140 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|-----|-----|-----|------|------|------|-----|
| 02.01 - 04.00 | 399 | 507 | 94 | 601 | 1000 | 164 | 76 | 34 |
| 04.01 - 10.00 | 489 | 458 | 53 | 511 | 1000 | 28 | 10 | 6 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 606 | 183 | 210 | 394 | 1000 | 1566 | 2139 | 747 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Meghalaya | | | | | | | | |
|--|-------------|--------------------------------|------------|------------|-------------|---------------------------------|-----------------------|------------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(<0.01) | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 1000 | - | - | - | 1000 | 0 | 1 | 1 |
| 00.21 - 00.50 | - | - | - | - | - | - | - | - |
| 00.51 - 01.00 | - | - | 1000 | 1000 | 1000 | 5 | 10 | 3 |
| 01.01 - 02.00 | - | - | - | - | - | - | - | - |
| 02.01 - 04.00 | - | - | - | - | - | - | - | - |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 69 | - | 931 | 931 | 1000 | 5 | 11 | 4 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(<0.01) | 1000 | - | - | - | 1000 | 2 | 17 | 6 |
| 00.01 - 00.20 | 973 | - | 27 | 27 | 1000 | 102 | 385 | 120 |
| 00.21 - 00.50 | 966 | 13 | 21 | 34 | 1000 | 302 | 782 | 210 |
| 00.51 - 01.00 | 959 | 19 | 22 | 41 | 1000 | 653 | 786 | 222 |
| 01.01 - 02.00 | 836 | 13 | 151 | 164 | 1000 | 777 | 605 | 193 |
| 02.01 - 04.00 | 805 | 26 | 169 | 195 | 1000 | 938 | 425 | 136 |
| 04.01 - 10.00 | 930 | - | 70 | 70 | 1000 | 391 | 92 | 29 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 917 | 14 | 69 | 83 | 1000 | 3166 | 3093 | 916 |
| <i>All villages</i> | | | | | | | | |
| nil(<0.01) | 1000 | - | - | - | 1000 | 2 | 17 | 6 |
| 00.01 - 00.20 | 973 | - | 27 | 27 | 1000 | 102 | 385 | 121 |
| 00.21 - 00.50 | 966 | 13 | 21 | 34 | 1000 | 302 | 782 | 210 |
| 00.51 - 01.00 | 947 | 19 | 34 | 53 | 1000 | 658 | 796 | 225 |
| 01.01 - 02.00 | 836 | 13 | 151 | 164 | 1000 | 777 | 605 | 193 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|----|-----|-----|------|------|------|-----|
| 02.01 - 04.00 | 805 | 26 | 169 | 195 | 1000 | 938 | 425 | 136 |
| 04.01 - 10.00 | 930 | - | 70 | 70 | 1000 | 391 | 92 | 29 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 914 | 14 | 72 | 86 | 1000 | 3171 | 3103 | 920 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Mizoram | | | | | | | | |
|--|-------------|--------------------------------|--------|-----|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | - | - | - | - |
| 00.51 - 01.00 | - | - | - | - | - | - | - | - |
| 01.01 - 02.00 | - | - | - | - | - | - | - | - |
| 02.01 - 04.00 | - | - | - | - | - | - | - | - |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | - | - | - | - | - | - | - | - |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 1000 | - | - | - | 1000 | 74 | 104 | 72 |
| 00.01 - 00.20 | 990 | 10 | - | 10 | 1000 | 245 | 320 | 250 |
| 00.21 - 00.50 | 1000 | - | - | - | 1000 | 31 | 40 | 42 |
| 00.51 - 01.00 | 951 | 8 | 41 | 49 | 1000 | 48 | 55 | 47 |
| 01.01 - 02.00 | 957 | - | 43 | 43 | 1000 | 72 | 66 | 54 |
| 02.01 - 04.00 | 1000 | - | - | - | 1000 | 25 | 14 | 16 |
| 04.01 - 10.00 | 1000 | - | - | - | 1000 | 7 | 3 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 986 | 6 | 8 | 14 | 1000 | 501 | 601 | 484 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 1000 | - | - | - | 1000 | 74 | 104 | 72 |
| 00.01 - 00.20 | 991 | 9 | - | 9 | 1000 | 251 | 339 | 263 |
| 00.21 - 00.50 | 1000 | - | - | - | 1000 | 31 | 43 | 45 |
| 00.51 - 01.00 | 951 | 8 | 41 | 49 | 1000 | 48 | 55 | 47 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|------|---|----|----|------|-----|-----|-----|
| 01.01 - 02.00 | 957 | - | 43 | 43 | 1000 | 72 | 66 | 54 |
| 02.01 - 04.00 | 1000 | - | - | - | 1000 | 25 | 14 | 16 |
| 04.01 - 10.00 | 1000 | - | - | - | 1000 | 7 | 3 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 986 | 6 | 8 | 14 | 1000 | 508 | 624 | 500 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Nagaland | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | - | - | - | - |
| 00.51 - 01.00 | - | - | - | - | - | - | - | - |
| 01.01 - 02.00 | - | - | - | - | - | - | - | - |
| 02.01 - 04.00 | - | - | - | - | - | - | - | - |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | - | - | - | - | - | - | - | - |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 1000 | - | - | - | 1000 | 26 | 16 | 13 |
| 00.01 - 00.20 | 933 | 67 | - | 67 | 1000 | 3 | 24 | 20 |
| 00.21 - 00.50 | 885 | - | 115 | 115 | 1000 | 10 | 37 | 46 |
| 00.51 - 01.00 | 778 | - | 222 | 222 | 1000 | 62 | 77 | 71 |
| 01.01 - 02.00 | 768 | 20 | 213 | 232 | 1000 | 285 | 179 | 172 |
| 02.01 - 04.00 | 678 | 3 | 319 | 322 | 1000 | 775 | 314 | 349 |
| 04.01 - 10.00 | 235 | 4 | 760 | 765 | 1000 | 871 | 121 | 133 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 84 | 7 | 8 |
| all | 657 | 9 | 334 | 343 | 1000 | 2115 | 775 | 812 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 1000 | - | - | - | 1000 | 26 | 16 | 13 |
| 00.01 - 00.20 | 933 | 67 | - | 67 | 1000 | 3 | 24 | 20 |
| 00.21 - 00.50 | 885 | - | 115 | 115 | 1000 | 10 | 37 | 47 |
| 00.51 - 01.00 | 778 | - | 222 | 222 | 1000 | 62 | 77 | 71 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|----|------|------|------|------|-----|-----|
| 01.01 - 02.00 | 781 | 19 | 200 | 219 | 1000 | 302 | 190 | 177 |
| 02.01 - 04.00 | 692 | 3 | 305 | 308 | 1000 | 813 | 329 | 356 |
| 04.01 - 10.00 | 274 | 4 | 722 | 726 | 1000 | 891 | 127 | 136 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 84 | 7 | 8 |
| all | 671 | 8 | 321 | 329 | 1000 | 2190 | 807 | 828 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Orissa | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | 524 | - | 476 | 476 | 1000 | 5 | 72 | 5 |
| 00.01 - 00.20 | 525 | 55 | 420 | 475 | 1000 | 303 | 1802 | 99 |
| 00.21 - 00.50 | 566 | 80 | 354 | 434 | 1000 | 1547 | 3589 | 200 |
| 00.51 - 01.00 | 409 | 141 | 451 | 591 | 1000 | 2544 | 3131 | 158 |
| 01.01 - 02.00 | 355 | 117 | 528 | 645 | 1000 | 3540 | 2443 | 128 |
| 02.01 - 04.00 | 284 | 65 | 652 | 716 | 1000 | 2049 | 761 | 41 |
| 04.01 - 10.00 | 286 | 191 | 523 | 714 | 1000 | 1168 | 197 | 11 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 771 | 43 | 2 |
| all | 451 | 100 | 449 | 549 | 1000 | 11927 | 12038 | 644 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 822 | - | 178 | 178 | 1000 | 59 | 126 | 15 |
| 00.01 - 00.20 | 810 | 72 | 118 | 190 | 1000 | 793 | 3984 | 219 |
| 00.21 - 00.50 | 840 | 50 | 109 | 160 | 1000 | 3320 | 8276 | 445 |
| 00.51 - 01.00 | 809 | 71 | 120 | 191 | 1000 | 6094 | 7355 | 378 |
| 01.01 - 02.00 | 662 | 152 | 186 | 338 | 1000 | 6654 | 4638 | 239 |
| 02.01 - 04.00 | 792 | 57 | 150 | 208 | 1000 | 5574 | 2055 | 101 |
| 04.01 - 10.00 | 668 | 111 | 222 | 332 | 1000 | 2341 | 398 | 20 |
| 10.01 & above | 1000 | - | - | - | 1000 | 635 | 79 | 1 |
| all | 791 | 78 | 131 | 209 | 1000 | 25469 | 26911 | 1418 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 714 | - | 286 | 286 | 1000 | 64 | 198 | 20 |
| 00.01 - 00.20 | 725 | 69 | 206 | 275 | 1000 | 1130 | 5949 | 326 |
| 00.21 - 00.50 | 762 | 58 | 180 | 238 | 1000 | 4953 | 12133 | 657 |
| 00.51 - 01.00 | 687 | 94 | 219 | 313 | 1000 | 8882 | 10803 | 553 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|-----|-----|-----|------|-------|-------|------|
| 01.01 - 02.00 | 560 | 138 | 302 | 440 | 1000 | 10467 | 7280 | 378 |
| 02.01 - 04.00 | 663 | 58 | 279 | 337 | 1000 | 7779 | 2881 | 146 |
| 04.01 - 10.00 | 529 | 134 | 337 | 471 | 1000 | 3596 | 609 | 32 |
| 10.01 & above | 650 | - | 350 | 350 | 1000 | 1406 | 122 | 3 |
| all | 688 | 85 | 227 | 312 | 1000 | 38276 | 39975 | 2115 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Punjab | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | - | - | 1000 | 1000 | 1000 | 109 | 15 | 1 |
| 00.01 - 00.20 | 192 | 410 | 398 | 808 | 1000 | 94 | 125 | 13 |
| 00.21 - 00.50 | 24 | 523 | 453 | 976 | 1000 | 335 | 484 | 44 |
| 00.51 - 01.00 | - | 313 | 687 | 1000 | 1000 | 1232 | 625 | 50 |
| 01.01 - 02.00 | - | 125 | 875 | 1000 | 1000 | 4871 | 1501 | 123 |
| 02.01 - 04.00 | - | 91 | 909 | 1000 | 1000 | 6497 | 1122 | 91 |
| 04.01 - 10.00 | - | 99 | 901 | 1000 | 1000 | 10790 | 972 | 77 |
| 10.01 & above | - | 37 | 963 | 1000 | 1000 | 6278 | 251 | 21 |
| all | 7 | 176 | 817 | 993 | 1000 | 30206 | 5097 | 420 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 324 | 274 | 402 | 676 | 1000 | 148 | 35 | 4 |
| 00.01 - 00.20 | 248 | 371 | 381 | 752 | 1000 | 139 | 357 | 34 |
| 00.21 - 00.50 | 147 | 306 | 547 | 853 | 1000 | 446 | 646 | 55 |
| 00.51 - 01.00 | 28 | 180 | 792 | 972 | 1000 | 1649 | 836 | 72 |
| 01.01 - 02.00 | 56 | 213 | 731 | 944 | 1000 | 3502 | 1408 | 131 |
| 02.01 - 04.00 | 82 | 119 | 799 | 918 | 1000 | 5216 | 1080 | 99 |
| 04.01 - 10.00 | 146 | 59 | 795 | 854 | 1000 | 5714 | 603 | 56 |
| 10.01 & above | - | 93 | 907 | 1000 | 1000 | 2922 | 126 | 12 |
| all | 93 | 190 | 717 | 907 | 1000 | 19736 | 5092 | 463 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 225 | 191 | 584 | 775 | 1000 | 257 | 50 | 5 |
| 00.01 - 00.20 | 233 | 381 | 385 | 767 | 1000 | 234 | 482 | 47 |
| 00.21 - 00.50 | 94 | 399 | 507 | 906 | 1000 | 781 | 1130 | 99 |
| 00.51 - 01.00 | 16 | 237 | 747 | 984 | 1000 | 2881 | 1462 | 122 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| 0z1.01 - 02.00 | 27 | 167 | 805 | 973 | 1000 | 8373 | 2909 | 254 |
| 02.01 - 04.00 | 40 | 105 | 855 | 960 | 1000 | 11713 | 2202 | 190 |
| 04.01 - 10.00 | 56 | 83 | 861 | 944 | 1000 | 16504 | 1575 | 133 |
| 10.01 & above | - | 56 | 944 | 1000 | 1000 | 9200 | 377 | 33 |
| all | 50 | 183 | 767 | 950 | 1000 | 49942 | 10188 | 883 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Rajasthan | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | - | 1000 | - | 1000 | 1000 | 7 | 16 | 1 |
| 00.01 - 00.20 | 436 | 205 | 359 | 564 | 1000 | 897 | 457 | 22 |
| 00.21 - 00.50 | 188 | 285 | 526 | 812 | 1000 | 646 | 979 | 49 |
| 00.51 - 01.00 | 79 | 195 | 726 | 921 | 1000 | 1660 | 1377 | 65 |
| 01.01 - 02.00 | 79 | 173 | 748 | 921 | 1000 | 3810 | 1684 | 88 |
| 02.01 - 04.00 | 26 | 81 | 893 | 974 | 1000 | 6608 | 1535 | 86 |
| 04.01 - 10.00 | 26 | 83 | 891 | 974 | 1000 | 10793 | 1199 | 73 |
| 10.01 & above | 56 | - | 944 | 944 | 1000 | 6723 | 365 | 26 |
| all | 94 | 154 | 752 | 906 | 1000 | 31144 | 7613 | 410 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 272 | 172 | 557 | 728 | 1000 | 978 | 290 | 18 |
| 00.01 - 00.20 | 468 | 336 | 197 | 532 | 1000 | 564 | 1616 | 88 |
| 00.21 - 00.50 | 295 | 302 | 402 | 705 | 1000 | 4785 | 6720 | 361 |
| 00.51 - 01.00 | 319 | 232 | 448 | 681 | 1000 | 7820 | 7205 | 379 |
| 01.01 - 02.00 | 308 | 161 | 532 | 692 | 1000 | 18372 | 9333 | 495 |
| 02.01 - 04.00 | 329 | 153 | 518 | 671 | 1000 | 30079 | 8130 | 452 |
| 04.01 - 10.00 | 502 | 131 | 368 | 498 | 1000 | 46141 | 6715 | 378 |
| 10.01 & above | 629 | 70 | 301 | 371 | 1000 | 25421 | 1643 | 98 |
| all | 362 | 193 | 445 | 638 | 1000 | 134161 | 41651 | 2269 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 258 | 215 | 528 | 742 | 1000 | 985 | 306 | 19 |
| 00.01 - 00.20 | 461 | 307 | 232 | 539 | 1000 | 1461 | 2073 | 110 |
| 00.21 - 00.50 | 279 | 308 | 414 | 721 | 1000 | 5472 | 7782 | 415 |
| 00.51 - 01.00 | 280 | 228 | 492 | 720 | 1000 | 9512 | 8603 | 445 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| 01.01 - 02.00 | 273 | 162 | 565 | 727 | 1000 | 22182 | 11017 | 583 |
| 02.01 - 04.00 | 280 | 143 | 576 | 720 | 1000 | 36728 | 9684 | 539 |
| 04.01 - 10.00 | 430 | 123 | 447 | 570 | 1000 | 56934 | 7914 | 451 |
| 10.01 & above | 525 | 57 | 418 | 475 | 1000 | 32144 | 2009 | 124 |
| all | 320 | 189 | 492 | 680 | 1000 | 165418 | 49388 | 2686 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Sikkim | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | 909 | - | 91 | 91 | 1000 | 2 | 10 | 9 |
| 00.01 - 00.20 | 519 | - | 481 | 481 | 1000 | 5 | 19 | 23 |
| 00.21 - 00.50 | 166 | - | 834 | 834 | 1000 | 8 | 19 | 21 |
| 00.51 - 01.00 | 267 | 68 | 664 | 733 | 1000 | 9 | 13 | 15 |
| 01.01 - 02.00 | 318 | 82 | 600 | 682 | 1000 | 10 | 11 | 10 |
| 02.01 - 04.00 | - | - | 1000 | 1000 | 1000 | 6 | 3 | 3 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 387 | 24 | 589 | 613 | 1000 | 40 | 75 | 81 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 728 | - | 272 | 272 | 1000 | 30 | 49 | 65 |
| 00.01 - 00.20 | 669 | - | 331 | 331 | 1000 | 16 | 74 | 86 |
| 00.21 - 00.50 | 564 | 24 | 412 | 436 | 1000 | 63 | 158 | 192 |
| 00.51 - 01.00 | 465 | 17 | 517 | 535 | 1000 | 81 | 107 | 118 |
| 01.01 - 02.00 | 515 | 17 | 468 | 485 | 1000 | 103 | 72 | 80 |
| 02.01 - 04.00 | 478 | - | 522 | 522 | 1000 | 81 | 35 | 38 |
| 04.01 - 10.00 | - | 298 | 702 | 1000 | 1000 | 13 | 3 | 4 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 4 | 1 | 1 |
| all | 556 | 16 | 428 | 444 | 1000 | 392 | 499 | 584 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 766 | - | 234 | 234 | 1000 | 32 | 60 | 76 |
| 00.01 - 00.20 | 645 | - | 355 | 355 | 1000 | 22 | 95 | 111 |
| 00.21 - 00.50 | 528 | 21 | 451 | 472 | 1000 | 72 | 180 | 216 |
| 00.51 - 01.00 | 449 | 23 | 528 | 551 | 1000 | 92 | 123 | 136 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|-----|------|------|------|-----|-----|-----|
| 01.01 - 02.00 | 500 | 25 | 475 | 500 | 1000 | 114 | 85 | 92 |
| 02.01 - 04.00 | 432 | - | 568 | 568 | 1000 | 89 | 38 | 42 |
| 04.01 - 10.00 | - | 298 | 702 | 1000 | 1000 | 13 | 3 | 4 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 4 | 1 | 1 |
| all | 541 | 17 | 442 | 459 | 1000 | 438 | 586 | 678 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Tamil Nadu | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(<0.01) | 92 | 423 | 485 | 908 | 1000 | 78 | 149 | 9 |
| 00.01 - 00.20 | 179 | 196 | 625 | 821 | 1000 | 272 | 1768 | 98 |
| 00.21 - 00.50 | 37 | 269 | 694 | 963 | 1000 | 1450 | 3303 | 189 |
| 00.51 - 01.00 | 95 | 254 | 651 | 905 | 1000 | 2192 | 2400 | 128 |
| 01.01 - 02.00 | 98 | 151 | 750 | 902 | 1000 | 2763 | 1632 | 84 |
| 02.01 - 04.00 | 93 | 136 | 771 | 907 | 1000 | 2791 | 961 | 50 |
| 04.01 - 10.00 | 106 | 39 | 854 | 894 | 1000 | 1653 | 303 | 15 |
| 10.01 & above | - | - | 1000 | 1000 | 1000 | 289 | 24 | 1 |
| all | 91 | 218 | 691 | 909 | 1000 | 11489 | 10540 | 574 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(<0.01) | 244 | 254 | 503 | 756 | 1000 | 221 | 557 | 32 |
| 00.01 - 00.20 | 315 | 235 | 450 | 685 | 1000 | 418 | 2416 | 149 |
| 00.21 - 00.50 | 239 | 228 | 532 | 761 | 1000 | 2991 | 7146 | 420 |
| 00.51 - 01.00 | 208 | 186 | 606 | 792 | 1000 | 5469 | 6486 | 355 |
| 01.01 - 02.00 | 166 | 172 | 662 | 834 | 1000 | 6434 | 4283 | 234 |
| 02.01 - 04.00 | 115 | 138 | 747 | 885 | 1000 | 4217 | 1723 | 86 |
| 04.01 - 10.00 | 170 | 93 | 737 | 830 | 1000 | 3064 | 642 | 26 |
| 10.01 & above | - | 90 | 910 | 1000 | 1000 | 313 | 25 | 2 |
| all | 214 | 197 | 589 | 786 | 1000 | 23128 | 23278 | 1304 |
| <i>All villages</i> | | | | | | | | |
| nil(<0.01) | 211 | 289 | 499 | 789 | 1000 | 299 | 707 | 41 |
| 00.01 - 00.20 | 257 | 219 | 524 | 743 | 1000 | 690 | 4184 | 247 |
| 00.21 - 00.50 | 175 | 241 | 584 | 825 | 1000 | 4450 | 10470 | 610 |
| 00.51 - 01.00 | 176 | 203 | 620 | 824 | 1000 | 7714 | 8949 | 487 |
| 01.01 - 02.00 | 153 | 164 | 683 | 847 | 1000 | 9283 | 5976 | 321 |
| 02.01 - 04.00 | 107 | 138 | 756 | 893 | 1000 | 7008 | 2684 | 136 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|-----|-----|------|------|-------|-------|------|
| 04.01 - 10.00 | 147 | 74 | 779 | 853 | 1000 | 4817 | 966 | 42 |
| 10.01 & above | - | 46 | 954 | 1000 | 1000 | 603 | 49 | 3 |
| all | 176 | 203 | 622 | 824 | 1000 | 34863 | 33985 | 1887 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Tripura | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 226 | 177 | 597 | 774 | 1000 | 14 | 75 | 15 |
| 00.21 - 00.50 | 82 | 155 | 763 | 918 | 1000 | 38 | 97 | 23 |
| 00.51 - 01.00 | - | 309 | 691 | 1000 | 1000 | 85 | 107 | 22 |
| 01.01 - 02.00 | 178 | 166 | 655 | 822 | 1000 | 40 | 28 | 6 |
| 02.01 - 04.00 | - | - | 1000 | 1000 | 1000 | 46 | 15 | 3 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 93 | 205 | 702 | 907 | 1000 | 221 | 322 | 69 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 1000 | - | - | - | 1000 | 4 | 12 | 2 |
| 00.01 - 00.20 | 588 | 151 | 261 | 412 | 1000 | 50 | 402 | 90 |
| 00.21 - 00.50 | 444 | 165 | 392 | 556 | 1000 | 277 | 797 | 160 |
| 00.51 - 01.00 | 378 | 221 | 401 | 622 | 1000 | 380 | 499 | 101 |
| 01.01 - 02.00 | 479 | 207 | 315 | 521 | 1000 | 225 | 159 | 28 |
| 02.01 - 04.00 | 313 | 251 | 436 | 687 | 1000 | 70 | 44 | 10 |
| 04.01 - 10.00 | 415 | - | 585 | 585 | 1000 | 32 | 8 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 460 | 180 | 360 | 540 | 1000 | 1037 | 1922 | 393 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 412 | 353 | 235 | 588 | 1000 | 15 | 43 | 8 |
| 00.01 - 00.20 | 543 | 151 | 306 | 457 | 1000 | 66 | 490 | 110 |
| 00.21 - 00.50 | 410 | 161 | 429 | 590 | 1000 | 323 | 910 | 187 |
| 00.51 - 01.00 | 327 | 245 | 427 | 673 | 1000 | 515 | 652 | 134 |
| 01.01 - 02.00 | 488 | 194 | 318 | 512 | 1000 | 318 | 215 | 40 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| 02.01 - 04.00 | 249 | 266 | 485 | 751 | 1000 | 147 | 71 | 16 |
| 04.01 - 10.00 | 415 | - | 585 | 585 | 1000 | 32 | 8 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 417 | 191 | 392 | 583 | 1000 | 1415 | 2389 | 497 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: Uttar Pradesh | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | - | 832 | 168 | 1000 | 1000 | 107 | 88 | 5 |
| 00.01 - 00.20 | 70 | 668 | 262 | 930 | 1000 | 2485 | 9437 | 462 |
| 00.21 - 00.50 | 36 | 702 | 262 | 964 | 1000 | 7776 | 12355 | 583 |
| 00.51 - 01.00 | 30 | 620 | 350 | 970 | 1000 | 14666 | 11509 | 495 |
| 01.01 - 02.00 | 7 | 480 | 513 | 993 | 1000 | 17581 | 8086 | 344 |
| 02.01 - 04.00 | 20 | 394 | 586 | 980 | 1000 | 17370 | 4475 | 184 |
| 04.01 - 10.00 | 33 | 223 | 744 | 967 | 1000 | 12765 | 1569 | 64 |
| 10.01 & above | - | 413 | 587 | 1000 | 1000 | 1636 | 115 | 5 |
| all | 35 | 592 | 373 | 965 | 1000 | 74384 | 47634 | 2142 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 6 | 877 | 117 | 994 | 1000 | 835 | 510 | 24 |
| 00.01 - 00.20 | 157 | 726 | 117 | 843 | 1000 | 5725 | 20944 | 961 |
| 00.21 - 00.50 | 236 | 625 | 139 | 764 | 1000 | 21794 | 37889 | 1479 |
| 00.51 - 01.00 | 127 | 617 | 256 | 873 | 1000 | 33870 | 28452 | 1154 |
| 01.01 - 02.00 | 121 | 462 | 416 | 879 | 1000 | 44191 | 21094 | 843 |
| 02.01 - 04.00 | 23 | 381 | 595 | 977 | 1000 | 37094 | 9353 | 411 |
| 04.01 - 10.00 | 6 | 230 | 764 | 994 | 1000 | 25521 | 3464 | 161 |
| 10.01 & above | - | 294 | 706 | 1000 | 1000 | 3951 | 281 | 14 |
| all | 153 | 583 | 264 | 847 | 1000 | 172981 | 121987 | 5047 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 5 | 871 | 124 | 995 | 1000 | 942 | 599 | 29 |
| 00.01 - 00.20 | 130 | 707 | 163 | 870 | 1000 | 8230 | 30448 | 1426 |
| 00.21 - 00.50 | 185 | 645 | 170 | 815 | 1000 | 29992 | 50848 | 2087 |
| 00.51 - 01.00 | 98 | 619 | 283 | 902 | 1000 | 49080 | 40361 | 1665 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | |
|---------------|-----|-----|-----|------|------|--------|--------|------|
| 01.01 - 02.00 | 89 | 469 | 443 | 911 | 1000 | 62695 | 29586 | 1205 |
| 02.01 - 04.00 | 22 | 384 | 594 | 978 | 1000 | 55575 | 14076 | 606 |
| 04.01 - 10.00 | 14 | 227 | 758 | 986 | 1000 | 38392 | 5049 | 226 |
| 10.01 & above | - | 329 | 671 | 1000 | 1000 | 5587 | 396 | 19 |
| all | 119 | 586 | 295 | 881 | 1000 | 250492 | 171362 | 7263 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: West Bengal | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | 359 | 382 | 259 | 641 | 1000 | 98 | 270 | 13 |
| 00.01 - 00.20 | 167 | 484 | 349 | 833 | 1000 | 1025 | 4588 | 227 |
| 00.21 - 00.50 | 199 | 430 | 371 | 801 | 1000 | 2798 | 5696 | 270 |
| 00.51 - 01.00 | 136 | 538 | 326 | 864 | 1000 | 3987 | 3662 | 156 |
| 01.01 - 02.00 | 105 | 509 | 385 | 895 | 1000 | 3467 | 1830 | 81 |
| 02.01 - 04.00 | 58 | 496 | 446 | 942 | 1000 | 1947 | 551 | 26 |
| 04.01 - 10.00 | - | 468 | 532 | 1000 | 1000 | 232 | 54 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 163 | 479 | 358 | 837 | 1000 | 13554 | 16651 | 776 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 232 | 605 | 163 | 768 | 1000 | 1696 | 1693 | 73 |
| 00.01 - 00.20 | 374 | 463 | 163 | 626 | 1000 | 1821 | 10315 | 515 |
| 00.21 - 00.50 | 281 | 586 | 133 | 719 | 1000 | 6121 | 13080 | 666 |
| 00.51 - 01.00 | 261 | 512 | 227 | 739 | 1000 | 10984 | 10598 | 476 |
| 01.01 - 02.00 | 184 | 488 | 328 | 816 | 1000 | 8783 | 4753 | 215 |
| 02.01 - 04.00 | 219 | 326 | 455 | 781 | 1000 | 5256 | 1561 | 69 |
| 04.01 - 10.00 | 176 | 695 | 130 | 824 | 1000 | 1061 | 137 | 6 |
| 10.01 & above | - | 1000 | - | 1000 | 1000 | 83 | 24 | 1 |
| all | 283 | 518 | 199 | 717 | 1000 | 35804 | 42161 | 2021 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 254 | 571 | 175 | 746 | 1000 | 1795 | 1976 | 87 |
| 00.01 - 00.20 | 312 | 466 | 221 | 688 | 1000 | 2917 | 15261 | 758 |
| 00.21 - 00.50 | 255 | 534 | 210 | 745 | 1000 | 9347 | 19727 | 972 |
| 00.51 - 01.00 | 230 | 518 | 252 | 770 | 1000 | 15448 | 14715 | 650 |
| 01.01 - 02.00 | 162 | 487 | 352 | 838 | 1000 | 12485 | 6730 | 302 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|------|-----|------|------|-------|-------|------|
| 02.01 - 04.00 | 172 | 362 | 466 | 828 | 1000 | 7423 | 2164 | 97 |
| 04.01 - 10.00 | 126 | 631 | 243 | 874 | 1000 | 1293 | 191 | 9 |
| 10.01 & above | - | 1000 | - | 1000 | 1000 | 83 | 24 | 1 |
| all | 250 | 504 | 247 | 750 | 1000 | 50792 | 60788 | 2876 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: A. & N. Islands | | | | | | | | |
|--|-------------|--------------------------------|--------|------|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(<0.01) | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 1000 | - | - | - | 1000 | 0 | 2 | 2 |
| 00.21 - 00.50 | - | - | 1000 | 1000 | 1000 | 1 | 3 | 2 |
| 00.51 - 01.00 | 48 | 271 | 682 | 952 | 1000 | 6 | 9 | 8 |
| 01.01 - 02.00 | 605 | - | 395 | 395 | 1000 | 10 | 6 | 5 |
| 02.01 - 04.00 | 179 | - | 821 | 821 | 1000 | 18 | 6 | 5 |
| 04.01 - 10.00 | - | - | 1000 | 1000 | 1000 | 5 | 1 | 1 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 271 | 91 | 638 | 729 | 1000 | 40 | 28 | 23 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(<0.01) | 399 | - | 601 | 601 | 1000 | 25 | 21 | 20 |
| 00.01 - 00.20 | 849 | - | 151 | 151 | 1000 | 0 | 7 | 6 |
| 00.21 - 00.50 | 1000 | - | - | - | 1000 | 0 | 3 | 5 |
| 00.51 - 01.00 | 684 | - | 316 | 316 | 1000 | 3 | 7 | 8 |
| 01.01 - 02.00 | 901 | - | 99 | 99 | 1000 | 10 | 10 | 14 |
| 02.01 - 04.00 | 855 | 73 | 73 | 145 | 1000 | 30 | 14 | 15 |
| 04.01 - 10.00 | 792 | - | 208 | 208 | 1000 | 12 | 4 | 4 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 701 | 15 | 283 | 299 | 1000 | 81 | 68 | 72 |
| <i>All villages</i> | | | | | | | | |
| nil(<0.01) | 615 | - | 385 | 385 | 1000 | 39 | 33 | 25 |
| 00.01 - 00.20 | 884 | - | 116 | 116 | 1000 | 0 | 9 | 8 |
| 00.21 - 00.50 | 532 | - | 468 | 468 | 1000 | 2 | 5 | 7 |
| 00.51 - 01.00 | 321 | 154 | 525 | 679 | 1000 | 9 | 17 | 16 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|----|-----|-----|------|-----|-----|-----|
| 01.01 - 02.00 | 834 | - | 166 | 166 | 1000 | 22 | 22 | 21 |
| 02.01 - 04.00 | 654 | 51 | 295 | 346 | 1000 | 48 | 20 | 20 |
| 04.01 - 10.00 | 590 | - | 410 | 410 | 1000 | 17 | 6 | 5 |
| 10.01 & above | - | - | - | - | - | - | - | - |
| all | 638 | 32 | 330 | 362 | 1000 | 138 | 113 | 102 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (4): Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

| State: India | | | | | | | | |
|--|-------------|--------------------------------|--------|-----|------|---------------------------------|-----------------------|--------|
| size-class of ownership holding (ha) | unirrigated | irrigated | | | all | estd. area under 5 major crops* | no. of FCC households | |
| | | with irrigation services hired | others | all | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| <i>Villages with government canal</i> | | | | | | | | |
| nil(< 0.01) | 278 | 374 | 347 | 722 | 1000 | 1744 | 2132 | 117 |
| 00.01 - 00.20 | 268 | 381 | 351 | 732 | 1000 | 9307 | 35384 | 1981 |
| 00.21 - 00.50 | 202 | 399 | 399 | 798 | 1000 | 28978 | 50633 | 2859 |
| 00.51 - 01.00 | 168 | 366 | 465 | 832 | 1000 | 49787 | 43894 | 2242 |
| 01.01 - 02.00 | 149 | 270 | 581 | 851 | 1000 | 76531 | 37755 | 1927 |
| 02.01 - 04.00 | 122 | 196 | 682 | 878 | 1000 | 81964 | 21856 | 1141 |
| 04.01 - 10.00 | 95 | 127 | 777 | 905 | 1000 | 87310 | 11434 | 614 |
| 10.01 & above | 29 | 54 | 917 | 971 | 1000 | 33140 | 1797 | 105 |
| all | 181 | 325 | 494 | 819 | 1000 | 368760 | 204886 | 10986 |
| <i>Villages without government canal</i> | | | | | | | | |
| nil(< 0.01) | 463 | 332 | 204 | 537 | 1000 | 9339 | 8495 | 773 |
| 00.01 - 00.20 | 429 | 370 | 200 | 571 | 1000 | 17086 | 86999 | 5670 |
| 00.21 - 00.50 | 409 | 379 | 211 | 591 | 1000 | 70458 | 138500 | 8446 |
| 00.51 - 01.00 | 404 | 319 | 277 | 596 | 1000 | 136668 | 134644 | 7917 |
| 01.01 - 02.00 | 401 | 249 | 351 | 599 | 1000 | 225302 | 123538 | 7201 |
| 02.01 - 04.00 | 378 | 180 | 442 | 622 | 1000 | 250683 | 74996 | 4513 |
| 04.01 - 10.00 | 341 | 128 | 531 | 659 | 1000 | 234176 | 35692 | 2084 |
| 10.01 & above | 339 | 86 | 575 | 661 | 1000 | 83521 | 5288 | 312 |
| all | 401 | 296 | 303 | 599 | 1000 | 1027232 | 608152 | 36916 |
| <i>All villages</i> | | | | | | | | |
| nil(< 0.01) | 427 | 337 | 236 | 573 | 1000 | 11503 | 10806 | 914 |
| 00.01 - 00.20 | 384 | 373 | 243 | 616 | 1000 | 26575 | 123414 | 7726 |
| 00.21 - 00.50 | 354 | 386 | 261 | 646 | 1000 | 100803 | 191767 | 11440 |
| 00.51 - 01.00 | 346 | 332 | 323 | 654 | 1000 | 188584 | 180495 | 10274 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|---------------|-----|-----|-----|-----|------|---------|--------|-------|
| 01.01 - 02.00 | 342 | 254 | 404 | 658 | 1000 | 304245 | 162612 | 9215 |
| 02.01 - 04.00 | 320 | 183 | 497 | 680 | 1000 | 336368 | 97772 | 5712 |
| 04.01 - 10.00 | 282 | 127 | 590 | 718 | 1000 | 323143 | 47354 | 2716 |
| 10.01 & above | 261 | 77 | 662 | 739 | 1000 | 117611 | 7168 | 422 |
| all | 346 | 303 | 350 | 654 | 1000 | 1408832 | 821388 | 48419 |

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5): Per 1000 distribution of area under five major crops* by use of tractor and size-class of household ownership holding

| size-class of ownership holding (ha) | use of tractor for tilling | | | | | | estd. area under 5 major crops (00ha) | no. of hhs. reporting use of tractor/ power tiller | |
|--|----------------------------|--------|------------------|--------|-------------|-----|--|--|--------|
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |

Andhra Pradesh

| | | | | | | | | | |
|---------------|-----|-----|-----|----|-----|------|-------|-------|-----|
| nil (< 0.01) | 435 | - | 20 | - | 545 | 1000 | 1109 | 424 | 19 |
| 00.01 - 00.20 | 413 | 127 | 28 | - | 431 | 1000 | 1077 | 2028 | 85 |
| 00.21 - 00.50 | 267 | 75 | 84 | 12 | 561 | 1000 | 6374 | 4288 | 197 |
| 00.51 - 01.00 | 290 | 100 | 30 | 19 | 561 | 1000 | 11125 | 5303 | 213 |
| 01.01 - 02.00 | 310 | 112 | 40 | 24 | 514 | 1000 | 17640 | 5155 | 213 |
| 02.01 - 04.00 | 298 | 144 | 53 | 18 | 487 | 1000 | 19148 | 3414 | 152 |
| 04.01 - 10.00 | 242 | 99 | 196 | 33 | 431 | 1000 | 19089 | 2096 | 88 |
| 10.01 & above | 119 | 76 | 240 | 96 | 469 | 1000 | 6700 | 237 | 15 |
| all | 273 | 108 | 97 | 28 | 494 | 1000 | 82260 | 22945 | 982 |

Arunachal Pradesh

| | | | | | | | | | |
|---------------|----|-----|-----|----|------|------|------|----|----|
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 142 | - | - |
| 00.01 - 00.20 | - | 13 | - | - | 987 | 1000 | 10 | 1 | 1 |
| 00.21 - 00.50 | - | 6 | 16 | - | 978 | 1000 | 61 | 3 | 2 |
| 00.51 - 01.00 | 5 | 43 | - | 14 | 938 | 1000 | 117 | 10 | 7 |
| 01.01 - 02.00 | 22 | 17 | 72 | 5 | 883 | 1000 | 287 | 22 | 12 |
| 02.01 - 04.00 | - | 42 | 106 | - | 851 | 1000 | 307 | 16 | 11 |
| 04.01 - 10.00 | - | 14 | - | - | 986 | 1000 | 281 | 1 | 1 |
| 10.01 & above | - | 320 | - | 43 | 637 | 1000 | 62 | 4 | 3 |
| all | 5 | 37 | 43 | 5 | 910 | 1000 | 1266 | 58 | 37 |

Assam

| | | | | | | | | | |
|---------------|----|-----|----|----|-----|------|-------|-----|----|
| nil (< 0.01) | - | - | - | 82 | 918 | 1000 | 204 | 14 | 1 |
| 00.01 - 00.20 | 4 | - | 2 | - | 994 | 1000 | 394 | 27 | 4 |
| 00.21 - 00.50 | 15 | 24 | - | 2 | 959 | 1000 | 1640 | 126 | 16 |
| 00.51 - 01.00 | 22 | 12 | - | 3 | 963 | 1000 | 6278 | 252 | 23 |
| 01.01 - 02.00 | 10 | 26 | 8 | 15 | 941 | 1000 | 11087 | 456 | 40 |
| 02.01 - 04.00 | 48 | 68 | 45 | 12 | 828 | 1000 | 7850 | 404 | 35 |
| 04.01 - 10.00 | 84 | 112 | 99 | 37 | 669 | 1000 | 3164 | 194 | 15 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|----|----|----|----|-----|------|-------|------|-----|
| all | 30 | 42 | 25 | 14 | 890 | 1000 | 30618 | 1474 | 134 |
|-----|----|----|----|----|-----|------|-------|------|-----|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5): Per 1000 distribution of area under five major crops* by use of tractor and size-class of household ownership holding

| size-class of ownership holding (ha) | use of tractor for tilling | | | | | | estd. area under 5 major crops (00ha) | no. of hhs. reporting use of tractor/ power tiller | |
|--|----------------------------|--------|------------------|--------|-------------|------|--|--|--------|
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Bihar | | | | | | | | | |
| nil (< 0.01) | 145 | 84 | 23 | - | 747 | 1000 | 3740 | 552 | 33 |
| 00.01 - 00.20 | 151 | 169 | 35 | 5 | 639 | 1000 | 4376 | 5711 | 312 |
| 00.21 - 00.50 | 194 | 162 | 21 | 3 | 619 | 1000 | 14383 | 8368 | 452 |
| 00.51 - 01.00 | 184 | 162 | 26 | 14 | 614 | 1000 | 24522 | 7206 | 352 |
| 01.01 - 02.00 | 185 | 178 | 49 | 14 | 574 | 1000 | 33955 | 6213 | 312 |
| 02.01 - 04.00 | 214 | 208 | 89 | 36 | 453 | 1000 | 28125 | 3500 | 172 |
| 04.01 - 10.00 | 211 | 211 | 207 | 29 | 343 | 1000 | 17326 | 1383 | 69 |
| 10.01 & above | 78 | - | 647 | 70 | 204 | 1000 | 8158 | 165 | 9 |
| all | 186 | 170 | 105 | 22 | 516 | 1000 | 134585 | 33098 | 1711 |
| Gujarat | | | | | | | | | |
| nil (< 0.01) | 165 | 222 | 91 | - | 522 | 1000 | 113 | 75 | 3 |
| 00.01 - 00.20 | 647 | 73 | 19 | - | 261 | 1000 | 467 | 626 | 27 |
| 00.21 - 00.50 | 351 | 232 | 9 | 9 | 399 | 1000 | 4301 | 3912 | 196 |
| 00.51 - 01.00 | 306 | 233 | 31 | 23 | 408 | 1000 | 6386 | 3242 | 150 |
| 01.01 - 02.00 | 389 | 178 | 45 | 13 | 375 | 1000 | 12302 | 4138 | 205 |
| 02.01 - 04.00 | 325 | 161 | 125 | 14 | 375 | 1000 | 19218 | 3557 | 176 |
| 04.01 - 10.00 | 328 | 116 | 232 | 3 | 321 | 1000 | 23963 | 2537 | 130 |
| 10.01 & above | 233 | 59 | 605 | - | 103 | 1000 | 7030 | 446 | 25 |
| all | 330 | 149 | 177 | 9 | 335 | 1000 | 73780 | 18534 | 912 |
| Haryana | | | | | | | | | |
| nil (< 0.01) | 331 | 405 | 264 | - | - | 1000 | 266 | 109 | 5 |
| 00.01 - 00.20 | 707 | 155 | - | 96 | 43 | 1000 | 1365 | 502 | 23 |
| 00.21 - 00.50 | 628 | 30 | 193 | 50 | 100 | 1000 | 1940 | 1669 | 82 |
| 00.51 - 01.00 | 843 | 94 | 3 | - | 60 | 1000 | 2907 | 1756 | 81 |
| 01.01 - 02.00 | 711 | 101 | 107 | - | 81 | 1000 | 7757 | 2776 | 128 |
| 02.01 - 04.00 | 456 | 155 | 324 | 10 | 55 | 1000 | 10536 | 2238 | 111 |
| 04.01 - 10.00 | 243 | 56 | 611 | 24 | 65 | 1000 | 12695 | 1550 | 74 |
| 10.01 & above | 163 | - | 837 | - | - | 1000 | 4622 | 229 | 13 |
| all | 448 | 90 | 388 | 15 | 58 | 1000 | 42089 | 10828 | 517 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**Note*

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2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| size-class of ownership holding (ha) | use of tractor for tilling | | | | | | estd. area under 5 major crops (00ha) | no. of hhs. reporting use of tractor/ power tiller | |
|--|----------------------------|--------|------------------|--------|-------------|------|--|--|--------|
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Himachal Pradesh | | | | | | | | | |
| nil (< 0.01) | 218 | 303 | - | - | 479 | 1000 | 34 | 21 | 3 |
| 00.01 - 00.20 | 140 | 21 | - | 2 | 836 | 1000 | 351 | 232 | 46 |
| 00.21 - 00.50 | 82 | 29 | 8 | - | 881 | 1000 | 1606 | 353 | 67 |
| 00.51 - 01.00 | 106 | 27 | 7 | 4 | 855 | 1000 | 2228 | 330 | 58 |
| 01.01 - 02.00 | 72 | 57 | 15 | 2 | 853 | 1000 | 2245 | 173 | 30 |
| 02.01 - 04.00 | 37 | 114 | - | 11 | 838 | 1000 | 1474 | 78 | 13 |
| 04.01 - 10.00 | - | 200 | 62 | 34 | 704 | 1000 | 538 | 22 | 4 |
| 10.01 & above | 61 | - | - | - | 939 | 1000 | 111 | 6 | 1 |
| all | 76 | 62 | 11 | 6 | 846 | 1000 | 8587 | 1214 | 222 |
| Jammu & Kashmir | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 5 | - | - |
| 00.01 - 00.20 | 135 | 75 | - | 5 | 785 | 1000 | 225 | 212 | 48 |
| 00.21 - 00.50 | 175 | 114 | 1 | 4 | 707 | 1000 | 1464 | 936 | 166 |
| 00.51 - 01.00 | 227 | 111 | - | 5 | 657 | 1000 | 2149 | 887 | 141 |
| 01.01 - 02.00 | 214 | 119 | 14 | 15 | 638 | 1000 | 2018 | 380 | 89 |
| 02.01 - 04.00 | 234 | 146 | 52 | - | 568 | 1000 | 1335 | 145 | 34 |
| 04.01 - 10.00 | - | 175 | 431 | - | 393 | 1000 | 351 | 21 | 8 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 201 | 122 | 33 | 6 | 638 | 1000 | 7547 | 2580 | 486 |
| Karnataka | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 99 | - | - |
| 00.01 - 00.20 | 10 | - | - | - | 990 | 1000 | 464 | 24 | 1 |
| 00.21 - 00.50 | 26 | 27 | - | - | 948 | 1000 | 2910 | 343 | 14 |
| 00.51 - 01.00 | 70 | 40 | 7 | 1 | 883 | 1000 | 9132 | 967 | 42 |
| 01.01 - 02.00 | 72 | 50 | 12 | 2 | 863 | 1000 | 20571 | 1911 | 80 |
| 02.01 - 04.00 | 92 | 95 | 51 | 7 | 755 | 1000 | 22063 | 1905 | 77 |
| 04.01 - 10.00 | 126 | 126 | 39 | 31 | 677 | 1000 | 24961 | 1442 | 64 |
| 10.01 & above | 111 | 312 | 255 | - | 321 | 1000 | 10397 | 520 | 22 |
| all | 94 | 110 | 56 | 11 | 729 | 1000 | 90596 | 7112 | 300 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5): Per 1000 distribution of area under five major crops* by use of tractor and size-class of household ownership holding

| size-class of ownership holding (ha) | use of tractor for tilling | | | | | | estd. area under 5 major crops (00ha) | no. of hhs. reporting use of tractor/ power tiller | |
|--------------------------------------|----------------------------|--------|------------------|--------|----------|------|---------------------------------------|--|--------|
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Kerala | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | - | - |
| 00.01 - 00.20 | 31 | 10 | 11 | 4 | 944 | 1000 | 1332 | 519 | 34 |
| 00.21 - 00.50 | 135 | 12 | 25 | 2 | 825 | 1000 | 1935 | 1011 | 67 |
| 00.51 - 01.00 | 130 | 10 | 29 | 2 | 829 | 1000 | 2091 | 912 | 58 |
| 01.01 - 02.00 | 77 | 18 | 13 | 17 | 875 | 1000 | 2082 | 464 | 28 |
| 02.01 - 04.00 | 212 | - | 20 | 8 | 760 | 1000 | 1011 | 194 | 12 |
| 04.01 - 10.00 | 27 | - | 18 | 108 | 847 | 1000 | 787 | 49 | 3 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 360 | - | - |
| all | 101 | 10 | 19 | 15 | 855 | 1000 | 9599 | 3149 | 202 |
| Madhya Pradesh | | | | | | | | | |
| nil (< 0.01) | 20 | 7 | 374 | - | 599 | 1000 | 765 | 66 | 3 |
| 00.01 - 00.20 | 205 | 38 | 8 | - | 749 | 1000 | 528 | 437 | 24 |
| 00.21 - 00.50 | 210 | 24 | 2 | 2 | 763 | 1000 | 4893 | 1964 | 104 |
| 00.51 - 01.00 | 179 | 53 | 11 | 0 | 757 | 1000 | 15992 | 3032 | 158 |
| 01.01 - 02.00 | 171 | 57 | 11 | 2 | 759 | 1000 | 42582 | 4547 | 242 |
| 02.01 - 04.00 | 130 | 67 | 58 | 5 | 739 | 1000 | 66204 | 4210 | 229 |
| 04.01 - 10.00 | 174 | 105 | 128 | 21 | 572 | 1000 | 63206 | 3116 | 172 |
| 10.01 & above | 101 | 39 | 691 | 57 | 111 | 1000 | 19829 | 833 | 51 |
| all | 154 | 71 | 124 | 14 | 637 | 1000 | 213999 | 18206 | 983 |
| Maharashtra | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 174 | - | - |
| 00.01 - 00.20 | 80 | 1 | - | - | 919 | 1000 | 827 | 334 | 17 |
| 00.21 - 00.50 | 97 | 14 | - | 1 | 888 | 1000 | 3301 | 919 | 45 |
| 00.51 - 01.00 | 76 | 15 | 3 | 2 | 904 | 1000 | 10062 | 1321 | 63 |
| 01.01 - 02.00 | 114 | 16 | 14 | 3 | 853 | 1000 | 24077 | 2532 | 118 |
| 02.01 - 04.00 | 78 | 12 | 28 | 4 | 878 | 1000 | 30564 | 1508 | 71 |
| 04.01 - 10.00 | 106 | 45 | 32 | - | 817 | 1000 | 33809 | 1204 | 54 |
| 10.01 & above | 107 | 8 | 138 | 45 | 701 | 1000 | 11154 | 254 | 12 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|----|----|----|---|-----|------|--------|------|-----|
| all | 97 | 23 | 34 | 6 | 840 | 1000 | 113969 | 8072 | 380 |
|-----|----|----|----|---|-----|------|--------|------|-----|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5): Per 1000 distribution of area under five major crops* by use of tractor and size-class of household ownership holding

| size-class of ownership holding (ha) | use of tractor for tilling | | | | | | estd. area under 5 major crops (00ha) | no. of hhs. reporting use of tractor/ power tiller | |
|--------------------------------------|----------------------------|--------|------------------|--------|----------|------|---------------------------------------|--|--------|
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Manipur | | | | | | | | | |
| nil (< 0.01) | 306 | 59 | - | - | 636 | 1000 | 224 | 35 | 9 |
| 00.01 - 00.20 | 83 | 45 | 4 | - | 868 | 1000 | 15 | 22 | 7 |
| 00.21 - 00.50 | 234 | 232 | 44 | 7 | 483 | 1000 | 159 | 268 | 81 |
| 00.51 - 01.00 | 174 | 169 | 5 | 13 | 640 | 1000 | 564 | 303 | 104 |
| 01.01 - 02.00 | 349 | 183 | 15 | 5 | 427 | 1000 | 414 | 189 | 66 |
| 02.01 - 04.00 | 562 | 173 | - | 14 | 251 | 1000 | 164 | 58 | 21 |
| 04.01 - 10.00 | 560 | - | - | - | 440 | 1000 | 28 | 4 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 292 | 160 | 10 | 8 | 525 | 1000 | 1566 | 879 | 290 |
| Meghalaya | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 2 | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 102 | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 302 | - | - |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 658 | - | - |
| 01.01 - 02.00 | - | 5 | - | - | 995 | 1000 | 777 | 3 | 1 |
| 02.01 - 04.00 | 7 | 9 | 4 | 2 | 978 | 1000 | 938 | 13 | 4 |
| 04.01 - 10.00 | - | 48 | - | - | 952 | 1000 | 391 | 8 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 2 | 10 | 1 | 1 | 986 | 1000 | 3171 | 24 | 8 |
| Mizoram | | | | | | | | | |
| nil (< 0.01) | - | - | - | 1 | 999 | 1000 | 74 | 0 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 251 | - | - |
| 00.21 - 00.50 | - | - | - | 2 | 998 | 1000 | 31 | 0 | 1 |
| 00.51 - 01.00 | - | - | - | 25 | 975 | 1000 | 48 | 1 | 2 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 72 | - | - |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 25 | - | - |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 7 | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|---|---|---|---|-----|------|-----|---|---|
| all | - | - | - | 3 | 997 | 1000 | 508 | 1 | 4 |
|-----|---|---|---|---|-----|------|-----|---|---|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5): Per 1000 distribution of area under five major crops* by use of tractor and size-class of household ownership holding

| size-class of ownership holding (ha) | use of tractor for tilling | | | | | | estd. area under 5 major crops (00ha) | no. of hhs. reporting use of tractor/ power tiller | |
|--------------------------------------|----------------------------|--------|------------------|--------|----------|------|---------------------------------------|--|--------|
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Nagaland | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 26 | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 3 | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 10 | - | - |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 62 | - | - |
| 01.01 - 02.00 | 4 | - | - | - | 996 | 1000 | 302 | 1 | 1 |
| 02.01 - 04.00 | - | 3 | - | - | 997 | 1000 | 813 | 1 | 1 |
| 04.01 - 10.00 | - | - | 5 | - | 995 | 1000 | 891 | 2 | 2 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 84 | - | - |
| all | 1 | 1 | 2 | - | 996 | 1000 | 2190 | 5 | 4 |
| Orissa | | | | | | | | | |
| nil (< 0.01) | 14 | 36 | - | - | 950 | 1000 | 64 | 18 | 1 |
| 00.01 - 00.20 | 27 | 73 | - | 2 | 897 | 1000 | 1130 | 492 | 32 |
| 00.21 - 00.50 | 17 | 50 | 3 | 7 | 923 | 1000 | 4953 | 756 | 46 |
| 00.51 - 01.00 | 15 | 56 | 6 | 7 | 915 | 1000 | 8882 | 983 | 51 |
| 01.01 - 02.00 | 33 | 72 | 8 | 14 | 874 | 1000 | 10467 | 951 | 53 |
| 02.01 - 04.00 | 25 | 76 | - | 54 | 845 | 1000 | 7779 | 374 | 20 |
| 04.01 - 10.00 | 43 | 107 | - | 101 | 749 | 1000 | 3596 | 105 | 5 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 1406 | - | - |
| all | 25 | 67 | 4 | 27 | 878 | 1000 | 38276 | 3679 | 208 |
| Punjab | | | | | | | | | |
| nil (< 0.01) | 458 | - | 542 | - | - | 1000 | 257 | 50 | 5 |
| 00.01 - 00.20 | 519 | 263 | 8 | - | 210 | 1000 | 234 | 372 | 34 |
| 00.21 - 00.50 | 753 | 79 | 49 | - | 119 | 1000 | 781 | 961 | 83 |
| 00.51 - 01.00 | 555 | 152 | 225 | 18 | 50 | 1000 | 2881 | 1352 | 112 |
| 01.01 - 02.00 | 563 | 71 | 306 | 1 | 60 | 1000 | 8373 | 2667 | 232 |
| 02.01 - 04.00 | 311 | 69 | 556 | 29 | 35 | 1000 | 11713 | 2115 | 183 |
| 04.01 - 10.00 | 184 | 12 | 773 | 3 | 29 | 1000 | 16504 | 1517 | 128 |
| 10.01 & above | 32 | - | 968 | - | - | 1000 | 9200 | 377 | 33 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|-----|----|-----|---|----|------|-------|------|-----|
| all | 282 | 43 | 632 | 9 | 34 | 1000 | 49942 | 9412 | 810 |
|-----|-----|----|-----|---|----|------|-------|------|-----|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5): Per 1000 distribution of area under five major crops* by use of tractor and size-class of household ownership holding

| size-class of ownership holding (ha) | use of tractor for tilling | | | | | | estd. area under 5 major crops (00ha) | no. of hhs. reporting use of tractor/ power tiller | |
|--------------------------------------|----------------------------|--------|------------------|--------|----------|------|---------------------------------------|--|--------|
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Rajasthan | | | | | | | | | |
| nil (< 0.01) | 864 | 124 | - | - | 12 | 1000 | 985 | 306 | 19 |
| 00.01 - 00.20 | 546 | 194 | 96 | - | 164 | 1000 | 1461 | 878 | 49 |
| 00.21 - 00.50 | 594 | 46 | 22 | 4 | 334 | 1000 | 5472 | 4270 | 239 |
| 00.51 - 01.00 | 545 | 67 | 35 | 4 | 349 | 1000 | 9512 | 5125 | 276 |
| 01.01 - 02.00 | 665 | 73 | 63 | 8 | 191 | 1000 | 22182 | 8301 | 446 |
| 02.01 - 04.00 | 729 | 73 | 91 | 5 | 102 | 1000 | 36728 | 8523 | 479 |
| 04.01 - 10.00 | 634 | 72 | 209 | 30 | 55 | 1000 | 56934 | 7440 | 424 |
| 10.01 & above | 524 | 49 | 375 | 22 | 31 | 1000 | 32144 | 1973 | 122 |
| all | 632 | 68 | 177 | 17 | 106 | 1000 | 165418 | 36816 | 2054 |
| Sikkim | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 32 | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 22 | - | - |
| 00.21 - 00.50 | - | 14 | - | - | 986 | 1000 | 72 | 1 | 1 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 92 | - | - |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 114 | - | - |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 89 | - | - |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 13 | - | - |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 4 | - | - |
| all | - | 2 | - | - | 998 | 1000 | 438 | 1 | 1 |
| Tamil Nadu | | | | | | | | | |
| nil (< 0.01) | 259 | 150 | 140 | - | 452 | 1000 | 299 | 265 | 15 |
| 00.01 - 00.20 | 319 | 35 | 34 | 7 | 605 | 1000 | 690 | 1090 | 59 |
| 00.21 - 00.50 | 321 | 74 | 35 | 7 | 563 | 1000 | 4450 | 4567 | 257 |
| 00.51 - 01.00 | 351 | 91 | 27 | 6 | 525 | 1000 | 7714 | 4232 | 226 |
| 01.01 - 02.00 | 395 | 113 | 56 | 19 | 417 | 1000 | 9283 | 3655 | 198 |
| 02.01 - 04.00 | 474 | 29 | 114 | 15 | 368 | 1000 | 7008 | 1870 | 93 |
| 04.01 - 10.00 | 398 | 59 | 357 | 19 | 167 | 1000 | 4817 | 840 | 36 |
| 10.01 & above | 480 | - | 366 | 124 | 30 | 1000 | 603 | 49 | 3 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|-----|----|-----|----|-----|------|-------|-------|-----|
| all | 391 | 76 | 106 | 15 | 413 | 1000 | 34863 | 16568 | 887 |
|-----|-----|----|-----|----|-----|------|-------|-------|-----|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5): Per 1000 distribution of area under five major crops* by use of tractor and size-class of household ownership holding

| size-class of ownership holding (ha) | use of tractor for tilling | | | | | | estd. area under 5 major crops (00ha) | no. of hhs. reporting use of tractor/ power tiller | | |
|--------------------------------------|----------------------------|--------|------------------|--------|----------|------|---------------------------------------|--|--------|--|
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample | |
| | entirely | partly | entirely | partly | | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | |
| Tripura | | | | | | | | | | |
| nil (< 0.01) | - | - | - | 322 | 678 | 1000 | 15 | 5 | 1 | |
| 00.01 - 00.20 | 190 | 11 | 13 | 12 | 775 | 1000 | 66 | 104 | 18 | |
| 00.21 - 00.50 | 265 | 50 | 23 | 23 | 638 | 1000 | 323 | 356 | 63 | |
| 00.51 - 01.00 | 240 | 36 | 74 | 22 | 627 | 1000 | 515 | 275 | 49 | |
| 01.01 - 02.00 | 251 | 102 | - | 3 | 644 | 1000 | 318 | 94 | 17 | |
| 02.01 - 04.00 | 136 | 11 | 444 | - | 409 | 1000 | 147 | 41 | 8 | |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 32 | - | - | |
| 10.01 & above | - | - | - | - | - | - | - | - | - | |
| all | 227 | 49 | 79 | 18 | 627 | 1000 | 1415 | 874 | 156 | |
| Uttar Pradesh | | | | | | | | | | |
| nil (< 0.01) | 745 | 37 | - | 5 | 213 | 1000 | 942 | 442 | 22 | |
| 00.01 - 00.20 | 523 | 75 | 17 | 1 | 385 | 1000 | 8230 | 18372 | 871 | |
| 00.21 - 00.50 | 582 | 73 | 13 | 2 | 330 | 1000 | 29992 | 32507 | 1503 | |
| 00.51 - 01.00 | 554 | 104 | 34 | 3 | 306 | 1000 | 49080 | 27664 | 1179 | |
| 01.01 - 02.00 | 549 | 103 | 66 | 4 | 279 | 1000 | 62695 | 20789 | 894 | |
| 02.01 - 04.00 | 506 | 116 | 187 | 5 | 186 | 1000 | 55575 | 11335 | 484 | |
| 04.01 - 10.00 | 270 | 97 | 480 | 25 | 128 | 1000 | 38392 | 4315 | 191 | |
| 10.01 & above | 345 | - | 646 | - | 10 | 1000 | 5587 | 396 | 19 | |
| all | 497 | 98 | 155 | 7 | 244 | 1000 | 250492 | 115819 | 5163 | |
| West Bengal | | | | | | | | | | |
| nil (< 0.01) | 543 | 69 | 109 | - | 278 | 1000 | 1795 | 1199 | 45 | |
| 00.01 - 00.20 | 388 | 63 | 5 | 3 | 542 | 1000 | 2917 | 5807 | 291 | |
| 00.21 - 00.50 | 320 | 109 | 1 | 6 | 565 | 1000 | 9347 | 8255 | 398 | |
| 00.51 - 01.00 | 258 | 121 | 11 | 14 | 596 | 1000 | 15448 | 5944 | 255 | |
| 01.01 - 02.00 | 194 | 206 | 21 | 18 | 560 | 1000 | 12485 | 2999 | 131 | |
| 02.01 - 04.00 | 270 | 218 | 44 | 35 | 432 | 1000 | 7423 | 1228 | 52 | |
| 04.01 - 10.00 | 102 | 535 | 48 | 19 | 296 | 1000 | 1293 | 140 | 6 | |
| 10.01 & above | - | 1000 | - | - | - | 1000 | 83 | 24 | 1 | |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|-----|-----|----|----|-----|------|-------|-------|------|
| all | 269 | 161 | 21 | 16 | 534 | 1000 | 50792 | 25596 | 1179 |
|-----|-----|-----|----|----|-----|------|-------|-------|------|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5): Per 1000 distribution of area under five major crops* by use of tractor and size-class of household ownership holding

| size-class of ownership holding (ha) | use of tractor for tilling | | | | | | estd. area under 5 major crops (00ha) | no. of hhs. reporting use of tractor/ power tiller | |
|--|----------------------------|--------|------------------|--------|-------------|------|--|--|--------|
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| A. & N. Islands | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 39 | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 2 | - | - |
| 00.51 - 01.00 | 116 | 38 | - | - | 845 | 1000 | 9 | 2 | 2 |
| 01.01 - 02.00 | 177 | 98 | - | - | 725 | 1000 | 22 | 4 | 4 |
| 02.01 - 04.00 | 104 | 227 | - | 31 | 639 | 1000 | 48 | 7 | 6 |
| 04.01 - 10.00 | 253 | - | - | - | 747 | 1000 | 17 | 1 | 1 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 105 | 98 | - | 11 | 787 | 1000 | 138 | 14 | 13 |
| India | | | | | | | | | |
| nil (< 0.01) | 351 | 70 | 74 | 2 | 503 | 1000 | 11503 | 3605 | 186 |
| 00.01 - 00.20 | 350 | 92 | 20 | 7 | 531 | 1000 | 26575 | 37873 | 2003 |
| 00.21 - 00.50 | 350 | 85 | 20 | 5 | 540 | 1000 | 100803 | 75916 | 4097 |
| 00.51 - 01.00 | 311 | 95 | 25 | 7 | 562 | 1000 | 188584 | 71152 | 3615 |
| 01.01 - 02.00 | 312 | 94 | 46 | 8 | 539 | 1000 | 304245 | 68448 | 3550 |
| 02.01 - 04.00 | 300 | 100 | 110 | 12 | 478 | 1000 | 336368 | 46740 | 2447 |
| 04.01 - 10.00 | 275 | 94 | 236 | 22 | 374 | 1000 | 323143 | 27998 | 1482 |
| 10.01 & above | 234 | 57 | 491 | 31 | 187 | 1000 | 117611 | 5514 | 329 |
| all | 298 | 92 | 137 | 14 | 460 | 1000 | 1408832 | 337247 | 17709 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Andhra Pradesh | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | 690 | - | 31 | - | 279 | 1000 | 363 | 453 | 19 |
| 00.01 - 00.20 | 473 | 89 | 26 | - | 412 | 1000 | 510 | 2850 | 130 |
| 00.21 - 00.50 | 273 | 107 | 103 | 12 | 506 | 1000 | 2789 | 7666 | 373 |
| 00.51 - 01.00 | 292 | 138 | 31 | 23 | 517 | 1000 | 4368 | 7288 | 342 |
| 01.01 - 02.00 | 362 | 141 | 33 | 40 | 424 | 1000 | 6052 | 6104 | 266 |
| 02.01 - 04.00 | 349 | 208 | 70 | 24 | 349 | 1000 | 5333 | 3545 | 168 |
| 04.01 - 10.00 | 218 | 147 | 354 | 36 | 245 | 1000 | 4498 | 1878 | 89 |
| 10.01 & above | 138 | 211 | 474 | 52 | 125 | 1000 | 1301 | 305 | 18 |
| all | 307 | 152 | 128 | 29 | 384 | 1000 | 25215 | 30089 | 1405 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | 927 | - | 68 | - | 5 | 1000 | 164 | 201 | 9 |
| 00.01 - 00.20 | 687 | 70 | 53 | - | 190 | 1000 | 200 | 1189 | 47 |
| 00.21 - 00.50 | 620 | 106 | 20 | 8 | 246 | 1000 | 660 | 1647 | 72 |
| 00.51 - 01.00 | 529 | 159 | 23 | 24 | 265 | 1000 | 1315 | 2002 | 79 |
| 01.01 - 02.00 | 634 | 126 | 48 | 24 | 168 | 1000 | 1962 | 1790 | 68 |
| 02.01 - 04.00 | 435 | 263 | 44 | 48 | 210 | 1000 | 1881 | 1066 | 50 |
| 04.01 - 10.00 | 190 | 224 | 385 | 47 | 153 | 1000 | 1862 | 827 | 36 |
| 10.01 & above | 186 | - | 647 | - | 168 | 1000 | 101 | 71 | 4 |
| all | 470 | 178 | 126 | 32 | 193 | 1000 | 8145 | 8793 | 365 |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 245 | 87 | 5 |
| 00.01 - 00.20 | 82 | 583 | - | - | 335 | 1000 | 115 | 324 | 17 |
| 00.21 - 00.50 | 80 | 48 | 49 | - | 824 | 1000 | 517 | 1790 | 91 |
| 00.51 - 01.00 | 144 | 38 | 19 | 10 | 789 | 1000 | 1212 | 2605 | 129 |
| 01.01 - 02.00 | 156 | 75 | 25 | 10 | 734 | 1000 | 2030 | 2835 | 141 |
| 02.01 - 04.00 | 202 | 68 | 47 | 26 | 657 | 1000 | 2056 | 2013 | 110 |
| 04.01 - 10.00 | 131 | 68 | 48 | - | 753 | 1000 | 1945 | 994 | 53 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|---------------|-----|----|----|----|-----|------|------|-------|-----|
| 10.01 & above | - | - | 55 | - | 945 | 1000 | 583 | 190 | 7 |
| all | 139 | 65 | 37 | 10 | 750 | 1000 | 8705 | 10838 | 553 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Andhra Pradesh | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | Estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 85 | 48 | 2 |
| 00.01 - 00.20 | 159 | 36 | 55 | - | 750 | 1000 | 64 | 296 | 15 |
| 00.21 - 00.50 | 111 | 38 | 286 | 15 | 551 | 1000 | 637 | 1600 | 75 |
| 00.51 - 01.00 | 297 | 33 | 58 | 25 | 587 | 1000 | 941 | 1876 | 80 |
| 01.01 - 02.00 | 278 | 45 | 39 | - | 638 | 1000 | 1527 | 1885 | 88 |
| 02.01 - 04.00 | 223 | 49 | 47 | 1 | 680 | 1000 | 1536 | 1293 | 62 |
| 04.01 - 10.00 | 210 | 38 | 193 | 43 | 516 | 1000 | 1915 | 908 | 39 |
| 10.01 & above | 290 | - | 218 | - | 491 | 1000 | 347 | 165 | 5 |
| all | 231 | 39 | 116 | 17 | 597 | 1000 | 7051 | 8069 | 366 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | 150 | - | - | - | 850 | 1000 | 132 | 82 | 6 |
| 00.01 - 00.20 | 259 | 26 | - | - | 715 | 1000 | 69 | 455 | 25 |
| 00.21 - 00.50 | 132 | - | 9 | 1 | 859 | 1000 | 621 | 1730 | 81 |
| 00.51 - 01.00 | 351 | 29 | - | - | 620 | 1000 | 1176 | 2051 | 97 |
| 01.01 - 02.00 | 223 | 75 | 25 | - | 677 | 1000 | 2317 | 2621 | 127 |
| 02.01 - 04.00 | 322 | 58 | 3 | 1 | 616 | 1000 | 2875 | 1742 | 82 |
| 04.01 - 10.00 | 327 | 42 | 35 | - | 596 | 1000 | 3159 | 1165 | 52 |
| 10.01 & above | 140 | - | 123 | 214 | 523 | 1000 | 2687 | 302 | 15 |
| all | 259 | 39 | 40 | 44 | 618 | 1000 | 13035 | 10148 | 485 |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 18 | 102 | 4 |
| 00.21 - 00.50 | - | 102 | - | 115 | 783 | 1000 | 186 | 511 | 23 |
| 00.51 - 01.00 | 140 | 22 | - | 55 | 783 | 1000 | 367 | 537 | 25 |
| 01.01 - 02.00 | 117 | 140 | - | 79 | 664 | 1000 | 795 | 740 | 34 |
| 02.01 - 04.00 | 52 | 126 | 86 | 9 | 727 | 1000 | 1116 | 593 | 29 |
| 04.01 - 10.00 | 222 | 5 | 220 | - | 553 | 1000 | 1435 | 437 | 20 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|---------------|-----|-----|-----|----|-----|------|------|------|-----|
| 10.01 & above | - | 398 | 177 | - | 426 | 1000 | 491 | 55 | 3 |
| all | 118 | 109 | 113 | 26 | 633 | 1000 | 4407 | 2976 | 138 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Andhra Pradesh | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | 1000 | - | - | - | - | 1000 | 21 | 52 | 2 |
| 00.01 - 00.20 | 639 | 150 | - | - | 211 | 1000 | 25 | 213 | 9 |
| 00.21 - 00.50 | 325 | 51 | - | 8 | 617 | 1000 | 137 | 518 | 24 |
| 00.51 - 01.00 | 294 | 265 | 81 | - | 361 | 1000 | 242 | 475 | 21 |
| 01.01 - 02.00 | 348 | 89 | 158 | - | 405 | 1000 | 335 | 500 | 22 |
| 02.01 - 04.00 | 494 | 88 | 181 | 82 | 155 | 1000 | 452 | 446 | 21 |
| 04.01 - 10.00 | 441 | - | 364 | - | 194 | 1000 | 474 | 291 | 13 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 416 | 86 | 194 | 23 | 282 | 1000 | 1686 | 2496 | 112 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 31 | 1 |
| 00.01 - 00.20 | 92 | - | - | - | 908 | 1000 | 10 | 63 | 4 |
| 00.21 - 00.50 | 671 | 139 | - | - | 190 | 1000 | 81 | 209 | 12 |
| 00.51 - 01.00 | 46 | - | 107 | - | 847 | 1000 | 200 | 484 | 24 |
| 01.01 - 02.00 | 267 | 209 | 196 | - | 328 | 1000 | 190 | 400 | 20 |
| 02.01 - 04.00 | 312 | 18 | 44 | 57 | 569 | 1000 | 220 | 593 | 31 |
| 04.01 - 10.00 | 153 | 12 | 230 | - | 605 | 1000 | 158 | 315 | 16 |
| 10.01 & above | - | - | 553 | - | 447 | 1000 | 249 | 57 | 4 |
| all | 188 | 51 | 219 | 11 | 531 | 1000 | 1109 | 2152 | 112 |
| fodder | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 8 | 19 | 1 |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | 145 | 81 | 222 | - | 553 | 1000 | 54 | 275 | 15 |
| 00.51 - 01.00 | 49 | - | - | - | 951 | 1000 | 19 | 140 | 8 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 203 | 352 | 12 |
| 02.01 - 04.00 | 414 | 185 | 37 | - | 364 | 1000 | 236 | 206 | 13 |
| 04.01 - 10.00 | 580 | - | - | - | 420 | 1000 | 200 | 146 | 7 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|----|---|-----|------|-----|------|----|
| all | 309 | 67 | 29 | - | 595 | 1000 | 720 | 1137 | 56 |
|-----|-----|----|----|---|-----|------|-----|------|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Andhra Pradesh | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 7 | 19 | 1 |
| 00.01 - 00.20 | 183 | - | - | - | 817 | 1000 | 24 | 151 | 9 |
| 00.21 - 00.50 | 34 | - | 88 | - | 877 | 1000 | 128 | 413 | 19 |
| 00.51 - 01.00 | - | 50 | - | - | 950 | 1000 | 167 | 243 | 12 |
| 01.01 - 02.00 | 155 | 140 | 159 | - | 547 | 1000 | 267 | 270 | 13 |
| 02.01 - 04.00 | 174 | 201 | - | - | 626 | 1000 | 383 | 198 | 8 |
| 04.01 - 10.00 | 65 | - | 66 | 414 | 455 | 1000 | 514 | 224 | 8 |
| 10.01 & above | - | - | 573 | - | 427 | 1000 | 238 | 34 | 2 |
| all | 87 | 71 | 130 | 123 | 590 | 1000 | 1728 | 1551 | 72 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | 1000 | - | - | - | - | 1000 | 39 | 35 | 3 |
| 00.01 - 00.20 | 287 | 80 | - | - | 634 | 1000 | 28 | 165 | 8 |
| 00.21 - 00.50 | 404 | 37 | - | 15 | 544 | 1000 | 546 | 1327 | 65 |
| 00.51 - 01.00 | 234 | 118 | 47 | 23 | 578 | 1000 | 967 | 2104 | 101 |
| 01.01 - 02.00 | 228 | 162 | 55 | 22 | 533 | 1000 | 1643 | 2148 | 99 |
| 02.01 - 04.00 | 293 | 175 | 58 | 2 | 472 | 1000 | 2568 | 1840 | 93 |
| 04.01 - 10.00 | 370 | 209 | 100 | - | 321 | 1000 | 2078 | 1001 | 48 |
| 10.01 & above | 241 | 80 | 241 | - | 438 | 1000 | 514 | 160 | 9 |
| all | 300 | 158 | 74 | 8 | 460 | 1000 | 8384 | 8779 | 426 |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 44 | 107 | 2 |
| 00.01 - 00.20 | - | - | 283 | - | 717 | 1000 | 11 | 88 | 4 |
| 00.21 - 00.50 | 438 | - | - | - | 562 | 1000 | 17 | 119 | 7 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 97 | 189 | 9 |
| 01.01 - 02.00 | 206 | - | 85 | 77 | 633 | 1000 | 232 | 347 | 17 |
| 02.01 - 04.00 | 200 | 39 | 21 | 12 | 727 | 1000 | 397 | 405 | 23 |
| 04.01 - 10.00 | 148 | 39 | 132 | - | 682 | 1000 | 641 | 349 | 15 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 190 | 95 | 1 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|----|----|----|-----|------|------|------|----|
| all | 141 | 25 | 71 | 14 | 750 | 1000 | 1629 | 1699 | 78 |
|-----|-----|----|----|----|-----|------|------|------|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Arunachal Pradesh | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 27 | 53 | 26 |
| 00.01 - 00.20 | - | 41 | - | - | 959 | 1000 | 2 | 30 | 12 |
| 00.21 - 00.50 | - | 12 | 15 | - | 973 | 1000 | 29 | 157 | 66 |
| 00.51 - 01.00 | 10 | 55 | - | 22 | 912 | 1000 | 53 | 134 | 63 |
| 01.01 - 02.00 | 19 | 15 | 64 | 6 | 896 | 1000 | 166 | 227 | 90 |
| 02.01 - 04.00 | - | 81 | 122 | - | 796 | 1000 | 157 | 132 | 73 |
| 04.01 - 10.00 | - | 26 | - | - | 974 | 1000 | 148 | 125 | 69 |
| 10.01 & above | - | 226 | - | 38 | 735 | 1000 | 44 | 11 | 8 |
| all | 6 | 52 | 48 | 6 | 888 | 1000 | 626 | 870 | 407 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 80 | 96 | 20 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 2 | 9 | 3 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 0 | 5 | 2 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 1 | 9 | 3 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 16 | 16 | 7 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 26 | 16 | 7 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 126 | 149 | 42 |
| Wheat | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 1 | 8 | 5 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 7 | 26 | 14 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 6 | 14 | 7 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 21 | 43 | 20 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 3 | 7 | 4 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 38 | 98 | 50 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| Arunachal Pradesh | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 3 | 2 |
| 00.01 - 00.20 | - | 134 | - | - | 866 | 1000 | 0 | 9 | 7 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 4 | 63 | 31 |
| 00.51 - 01.00 | - | 53 | - | 22 | 925 | 1000 | 18 | 79 | 43 |
| 01.01 - 02.00 | 142 | 112 | 143 | 21 | 582 | 1000 | 22 | 81 | 45 |
| 02.01 - 04.00 | - | - | 138 | - | 862 | 1000 | 28 | 99 | 57 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 40 | 83 | 46 |
| 10.01 & above | - | 427 | - | 44 | 529 | 1000 | 7 | 7 | 4 |
| all | 27 | 53 | 59 | 10 | 852 | 1000 | 119 | 424 | 235 |
| Pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 2 | 2 | 2 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 2 | 1 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 0 | 13 | 6 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 2 | 18 | 10 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 2 | 21 | 15 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 10 | 65 | 40 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 8 | 45 | 29 |
| 10.01 & above | - | 854 | - | 146 | - | 1000 | 2 | 3 | 2 |
| all | - | 52 | - | 9 | 939 | 1000 | 27 | 169 | 105 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 2 | 1 |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 0 | 13 | 6 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 1 | 10 | 6 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 2 | 17 | 12 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 3 | 26 | 16 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 2 | 7 | 4 |
| 10.01 & above | - | - | - | 1000 | - | 1000 | 0 | 0 | 1 |
| all | - | - | - | 28 | 972 | 1000 | 9 | 76 | 46 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Arunachal Pradesh | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 5 | 2 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 4 | 28 | 14 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 6 | 58 | 21 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 13 | 53 | 28 |
| 01.01 - 02.00 | - | - | 78 | - | 922 | 1000 | 28 | 106 | 50 |
| 02.01 - 04.00 | - | - | 228 | - | 772 | 1000 | 16 | 73 | 40 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 71 | 133 | 70 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | 42 | - | 958 | 1000 | 137 | 456 | 225 |
| Vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 22 | 168 | 58 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 1 | 26 | 12 |
| 00.21 - 00.50 | - | - | 90 | - | 910 | 1000 | 6 | 98 | 45 |
| 00.51 - 01.00 | - | 30 | - | - | 970 | 1000 | 13 | 101 | 58 |
| 01.01 - 02.00 | - | - | 122 | - | 878 | 1000 | 21 | 127 | 66 |
| 02.01 - 04.00 | - | - | 169 | - | 831 | 1000 | 17 | 114 | 64 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 8 | 47 | 30 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 4 | 7 | 4 |
| all | - | 4 | 65 | - | 930 | 1000 | 93 | 689 | 337 |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 8 | 5 |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 1 | 29 | 12 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 1 | 14 | 7 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 6 | 28 | 17 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 3 | 22 | 13 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | 1000 | - | 1000 | 0 | 0 | 1 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|---|---|---|----|-----|------|----|-----|----|
| all | - | - | - | 21 | 979 | 1000 | 11 | 101 | 55 |
|-----|---|---|---|----|-----|------|----|-----|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Arunachal Pradesh | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 5 | 22 | 6 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 9 | 2 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 1 | 10 | 7 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 5 | 55 | 23 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 9 | 35 | 13 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 12 | 10 | 6 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 33 | 140 | 57 |
| Others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 3 | 29 | 11 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 15 | 4 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 4 | 27 | 12 |
| 00.51 - 01.00 | - | 496 | - | - | 504 | 1000 | 2 | 44 | 20 |
| 01.01 - 02.00 | - | - | 243 | - | 757 | 1000 | 8 | 63 | 30 |
| 02.01 - 04.00 | - | 2 | 254 | - | 744 | 1000 | 12 | 31 | 17 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 1 | 3 | 1 |
| 10.01 & above | - | 1000 | - | - | - | 1000 | 6 | 3 | 1 |
| all | - | 179 | 141 | - | 680 | 1000 | 36 | 212 | 96 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Assam | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| Nil (< 0.01 ha) | - | - | - | 176 | 824 | 1000 | 87 | 179 | 25 |
| 00.01 - 00.20 | 11 | - | - | - | 989 | 1000 | 131 | 755 | 69 |
| 00.21 - 00.50 | 20 | 49 | - | - | 932 | 1000 | 809 | 2769 | 279 |
| 00.51 - 01.00 | 33 | 9 | - | 4 | 954 | 1000 | 3555 | 6240 | 527 |
| 01.01 - 02.00 | 12 | 32 | 9 | 16 | 931 | 1000 | 7214 | 6641 | 547 |
| 02.01 - 04.00 | 53 | 74 | 43 | 8 | 822 | 1000 | 4707 | 2418 | 194 |
| 04.01 - 10.00 | 123 | 134 | 91 | 30 | 622 | 1000 | 1921 | 509 | 41 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 39 | 49 | 24 | 13 | 875 | 1000 | 18424 | 19511 | 1682 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 39 | 100 | 10 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 19 | 118 | 11 |
| 00.21 - 00.50 | 21 | - | - | - | 979 | 1000 | 210 | 581 | 59 |
| 00.51 - 01.00 | 22 | - | - | - | 978 | 1000 | 895 | 1481 | 130 |
| 01.01 - 02.00 | 1 | - | - | - | 999 | 1000 | 1370 | 1221 | 116 |
| 02.01 - 04.00 | 58 | 37 | 87 | 25 | 792 | 1000 | 1174 | 614 | 52 |
| 04.01 - 10.00 | 127 | - | 589 | - | 284 | 1000 | 224 | 75 | 6 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 31 | 11 | 60 | 8 | 891 | 1000 | 3931 | 4190 | 384 |
| wheat | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 4 | 11 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 21 | 296 | 28 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 65 | 325 | 30 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 223 | 877 | 75 |
| 01.01 - 02.00 | 1 | 10 | 59 | - | 930 | 1000 | 183 | 584 | 54 |
| 02.01 - 04.00 | 27 | 130 | - | 9 | 834 | 1000 | 270 | 398 | 42 |
| 04.01 - 10.00 | - | 142 | - | 214 | 644 | 1000 | 273 | 199 | 17 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|---|----|----|----|-----|------|------|------|-----|
| all | 7 | 73 | 10 | 58 | 851 | 1000 | 1039 | 2690 | 247 |
|-----|---|----|----|----|-----|------|------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Assam | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 2 | 11 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 4 | 25 | 3 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 15 | 86 | 11 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 54 | 232 | 20 |
| 01.01 - 02.00 | - | - | - | 81 | 919 | 1000 | 113 | 319 | 29 |
| 02.01 - 04.00 | - | 226 | 93 | - | 681 | 1000 | 98 | 213 | 19 |
| 04.01 - 10.00 | - | 286 | - | - | 714 | 1000 | 43 | 92 | 8 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | 105 | 28 | 28 | 840 | 1000 | 329 | 978 | 91 |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 11 | 245 | 18 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 60 | 606 | 54 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 232 | 900 | 78 |
| 01.01 - 02.00 | - | 17 | - | 24 | 959 | 1000 | 336 | 999 | 86 |
| 02.01 - 04.00 | 47 | 37 | - | 30 | 886 | 1000 | 380 | 728 | 58 |
| 04.01 - 10.00 | - | 16 | - | - | 984 | 1000 | 172 | 183 | 15 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 15 | 19 | - | 16 | 950 | 1000 | 1190 | 3662 | 309 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 2 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 4 | 27 | 3 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 38 | 244 | 21 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 182 | 770 | 60 |
| 01.01 - 02.00 | - | - | 29 | - | 971 | 1000 | 196 | 618 | 49 |
| 02.01 - 04.00 | 169 | - | 71 | - | 760 | 1000 | 115 | 224 | 21 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 36 | 27 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|----|---|----|---|-----|------|-----|------|-----|
| all | 34 | - | 24 | - | 942 | 1000 | 571 | 1911 | 157 |
|-----|----|---|----|---|-----|------|-----|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Assam | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 2 | 7 | 4 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 2 | 18 | 3 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 3 | 16 | 3 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 88 | 231 | 17 |
| 01.01 - 02.00 | - | 85 | - | 5 | 910 | 1000 | 154 | 228 | 18 |
| 02.01 - 04.00 | 209 | - | - | - | 791 | 1000 | 79 | 147 | 14 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 30 | 43 | 4 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 47 | 36 | - | 2 | 915 | 1000 | 357 | 692 | 63 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | 21 | 979 | 1000 | 67 | 471 | 50 |
| 00.01 - 00.20 | - | - | 4 | - | 996 | 1000 | 184 | 2722 | 264 |
| 00.21 - 00.50 | 11 | - | - | 10 | 979 | 1000 | 377 | 2528 | 286 |
| 00.51 - 01.00 | 2 | 57 | - | 3 | 938 | 1000 | 791 | 4346 | 395 |
| 01.01 - 02.00 | 14 | 26 | 11 | 12 | 938 | 1000 | 1209 | 4689 | 413 |
| 02.01 - 04.00 | - | 35 | 27 | 7 | 930 | 1000 | 671 | 1879 | 156 |
| 04.01 - 10.00 | - | 63 | 21 | - | 916 | 1000 | 313 | 418 | 33 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 6 | 33 | 11 | 7 | 943 | 1000 | 3612 | 17054 | 1597 |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 13 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 4 | 78 | 9 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 7 | 66 | 9 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 34 | 253 | 22 |
| 01.01 - 02.00 | - | - | - | 22 | 978 | 1000 | 33 | 178 | 18 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 17 | 59 | 7 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|---|---|---|---|-----|------|----|-----|----|
| all | - | - | - | 8 | 992 | 1000 | 96 | 647 | 66 |
|-----|---|---|---|---|-----|------|----|-----|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Assam | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 2 | 46 | 4 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 2 | 19 | 2 |
| 00.51 - 01.00 | - | - | - | 45 | 955 | 1000 | 31 | 147 | 12 |
| 01.01 - 02.00 | - | - | - | 363 | 637 | 1000 | 53 | 154 | 17 |
| 02.01 - 04.00 | - | - | 404 | - | 596 | 1000 | 25 | 25 | 3 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 22 | 17 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | 76 | 152 | 773 | 1000 | 135 | 408 | 40 |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 2 | 57 | 6 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 11 | 160 | 13 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 47 | 295 | 27 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 182 | 954 | 80 |
| 01.01 - 02.00 | - | 17 | - | - | 983 | 1000 | 221 | 712 | 62 |
| 02.01 - 04.00 | - | 157 | - | 14 | 829 | 1000 | 284 | 427 | 43 |
| 04.01 - 10.00 | - | 212 | - | - | 788 | 1000 | 107 | 105 | 10 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | 83 | - | 5 | 912 | 1000 | 854 | 2710 | 241 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Bihar | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | 138 | 68 | 24 | - | 770 | 1000 | 2098 | 3572 | 189 |
| 00.01 - 00.20 | 121 | 174 | 35 | 5 | 661 | 1000 | 1997 | 15331 | 783 |
| 00.21 - 00.50 | 179 | 150 | 23 | 3 | 645 | 1000 | 7050 | 20988 | 1095 |
| 00.51 - 01.00 | 157 | 153 | 22 | 15 | 654 | 1000 | 12135 | 18658 | 906 |
| 01.01 - 02.00 | 160 | 159 | 45 | 13 | 622 | 1000 | 16619 | 14869 | 727 |
| 02.01 - 04.00 | 188 | 196 | 85 | 38 | 493 | 1000 | 13720 | 6491 | 313 |
| 04.01 - 10.00 | 217 | 183 | 187 | 23 | 390 | 1000 | 8110 | 2071 | 103 |
| 10.01 & above | 87 | - | 644 | 61 | 209 | 1000 | 3529 | 257 | 13 |
| all | 169 | 157 | 96 | 21 | 558 | 1000 | 65258 | 82238 | 4129 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 340 | 505 | 9 | - | 146 | 1000 | 50 | 328 | 21 |
| 00.21 - 00.50 | 30 | 396 | - | - | 574 | 1000 | 163 | 801 | 26 |
| 00.51 - 01.00 | 62 | 242 | 62 | 59 | 575 | 1000 | 366 | 756 | 24 |
| 01.01 - 02.00 | 146 | 121 | 69 | 55 | 609 | 1000 | 317 | 514 | 14 |
| 02.01 - 04.00 | 194 | 193 | - | 80 | 533 | 1000 | 350 | 394 | 13 |
| 04.01 - 10.00 | - | 1000 | - | - | - | 1000 | 136 | 58 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 115 | 304 | 32 | 49 | 500 | 1000 | 1383 | 2853 | 100 |
| wheat | | | | | | | | | |
| nil (< 0.01) | 135 | 145 | - | - | 720 | 1000 | 524 | 1503 | 84 |
| 00.01 - 00.20 | 204 | 174 | 39 | 5 | 577 | 1000 | 1442 | 12434 | 646 |
| 00.21 - 00.50 | 259 | 190 | 25 | 3 | 523 | 1000 | 4584 | 16178 | 850 |
| 00.51 - 01.00 | 263 | 183 | 44 | 16 | 495 | 1000 | 7114 | 13815 | 656 |
| 01.01 - 02.00 | 262 | 246 | 67 | 17 | 408 | 1000 | 9716 | 11132 | 539 |
| 02.01 - 04.00 | 258 | 231 | 116 | 42 | 353 | 1000 | 8294 | 5445 | 262 |
| 04.01 - 10.00 | 264 | 229 | 243 | 26 | 238 | 1000 | 5172 | 2048 | 98 |
| 10.01 & above | 107 | - | 700 | 39 | 153 | 1000 | 2711 | 220 | 12 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|-----|-----|----|-----|------|-------|-------|------|
| all | 247 | 202 | 133 | 22 | 396 | 1000 | 39556 | 62775 | 3147 |
|-----|-----|-----|-----|----|-----|------|-------|-------|------|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Bihar | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cereals | | | | | | | | | |
| nil (< 0.01) | 228 | 125 | 46 | - | 601 | 1000 | 628 | 1633 | 85 |
| 00.01 - 00.20 | 172 | 228 | 26 | 5 | 570 | 1000 | 356 | 4176 | 222 |
| 00.21 - 00.50 | 136 | 214 | 8 | 1 | 641 | 1000 | 885 | 6088 | 294 |
| 00.51 - 01.00 | 174 | 196 | 5 | 3 | 621 | 1000 | 1547 | 6510 | 317 |
| 01.01 - 02.00 | 102 | 160 | 20 | 20 | 697 | 1000 | 2297 | 6172 | 286 |
| 02.01 - 04.00 | 249 | 198 | 45 | 42 | 467 | 1000 | 1639 | 2943 | 132 |
| 04.01 - 10.00 | 166 | 131 | 205 | 3 | 495 | 1000 | 863 | 1000 | 48 |
| 10.01 & above | 21 | - | 317 | 216 | 446 | 1000 | 371 | 208 | 10 |
| all | 162 | 170 | 54 | 24 | 590 | 1000 | 8585 | 28731 | 1394 |
| pulses | | | | | | | | | |
| nil (< 0.01) | 105 | - | - | - | 895 | 1000 | 111 | 686 | 37 |
| 00.01 - 00.20 | 140 | 21 | 44 | - | 795 | 1000 | 215 | 2355 | 121 |
| 00.21 - 00.50 | 176 | 62 | 5 | - | 758 | 1000 | 647 | 5644 | 290 |
| 00.51 - 01.00 | 117 | 104 | 7 | 4 | 769 | 1000 | 1522 | 8221 | 380 |
| 01.01 - 02.00 | 128 | 118 | 17 | 13 | 725 | 1000 | 2635 | 8251 | 393 |
| 02.01 - 04.00 | 228 | 262 | 45 | 13 | 452 | 1000 | 1969 | 3816 | 182 |
| 04.01 - 10.00 | 169 | 313 | 157 | 44 | 318 | 1000 | 1413 | 1463 | 68 |
| 10.01 & above | 18 | - | 592 | 185 | 205 | 1000 | 888 | 232 | 11 |
| all | 146 | 156 | 96 | 31 | 570 | 1000 | 9398 | 30667 | 1482 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 4 | 34 | 2 |
| 00.01 - 00.20 | 19 | 55 | - | - | 926 | 1000 | 32 | 414 | 24 |
| 00.21 - 00.50 | 72 | 104 | 21 | - | 802 | 1000 | 126 | 1168 | 61 |
| 00.51 - 01.00 | 174 | 188 | 5 | - | 633 | 1000 | 288 | 2105 | 110 |
| 01.01 - 02.00 | 59 | 149 | 23 | 4 | 764 | 1000 | 472 | 2585 | 129 |
| 02.01 - 04.00 | 172 | 224 | 36 | - | 568 | 1000 | 554 | 1513 | 77 |
| 04.01 - 10.00 | 169 | 165 | 138 | 23 | 505 | 1000 | 513 | 826 | 37 |
| 10.01 & above | - | - | 722 | 10 | 268 | 1000 | 372 | 154 | 7 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|-----|-----|---|-----|------|------|------|-----|
| all | 114 | 148 | 159 | 7 | 572 | 1000 | 2360 | 8798 | 447 |
|-----|-----|-----|-----|---|-----|------|------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Bihar | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 89 | 391 | 18 |
| 00.01 - 00.20 | 140 | 239 | - | 62 | 560 | 1000 | 27 | 393 | 21 |
| 00.21 - 00.50 | 61 | 82 | - | - | 857 | 1000 | 92 | 620 | 40 |
| 00.51 - 01.00 | 192 | 8 | 5 | 3 | 792 | 1000 | 281 | 1239 | 70 |
| 01.01 - 02.00 | 140 | 13 | 16 | - | 831 | 1000 | 401 | 1158 | 63 |
| 02.01 - 04.00 | 40 | - | 36 | - | 924 | 1000 | 264 | 482 | 28 |
| 04.01 - 10.00 | - | 106 | 206 | - | 688 | 1000 | 294 | 341 | 20 |
| 10.01 & above | 387 | - | 387 | - | 226 | 1000 | 41 | 51 | 3 |
| all | 98 | 35 | 63 | 2 | 802 | 1000 | 1488 | 4673 | 263 |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | 1000 | - | - | - | 1000 | 3 | 35 | 2 |
| 00.21 - 00.50 | 39 | 814 | 18 | - | 129 | 1000 | 66 | 457 | 27 |
| 00.51 - 01.00 | 211 | 541 | 61 | - | 187 | 1000 | 151 | 482 | 25 |
| 01.01 - 02.00 | 167 | 486 | 232 | 18 | 97 | 1000 | 233 | 444 | 25 |
| 02.01 - 04.00 | 247 | 205 | 453 | - | 95 | 1000 | 295 | 298 | 16 |
| 04.01 - 10.00 | 6 | 75 | 713 | 101 | 105 | 1000 | 264 | 123 | 8 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 146 | 328 | 382 | 31 | 114 | 1000 | 1011 | 1838 | 103 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | 100 | 59 | 26 | - | 816 | 1000 | 287 | 1192 | 64 |
| 00.01 - 00.20 | 31 | 67 | 2 | 5 | 895 | 1000 | 177 | 3793 | 191 |
| 00.21 - 00.50 | 92 | 36 | 9 | 19 | 844 | 1000 | 494 | 4051 | 216 |
| 00.51 - 01.00 | 77 | 99 | 8 | 28 | 788 | 1000 | 635 | 4221 | 212 |
| 01.01 - 02.00 | 102 | 89 | 66 | 4 | 739 | 1000 | 673 | 3612 | 174 |
| 02.01 - 04.00 | 265 | 67 | 79 | 9 | 581 | 1000 | 513 | 1816 | 91 |
| 04.01 - 10.00 | 184 | 24 | 172 | 262 | 358 | 1000 | 273 | 456 | 21 |
| 10.01 & above | - | - | 807 | - | 193 | 1000 | 229 | 114 | 5 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|----|-----|----|-----|------|------|-------|-----|
| all | 117 | 64 | 102 | 32 | 685 | 1000 | 3282 | 19257 | 974 |
|-----|-----|----|-----|----|-----|------|------|-------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Bihar | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fodder | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | 13 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 4 | 125 | 7 |
| 00.21 - 00.50 | 245 | 53 | - | - | 701 | 1000 | 23 | 458 | 27 |
| 00.51 - 01.00 | 240 | 62 | - | - | 698 | 1000 | 36 | 495 | 27 |
| 01.01 - 02.00 | 49 | 42 | 26 | - | 883 | 1000 | 63 | 516 | 29 |
| 02.01 - 04.00 | 31 | 76 | 96 | - | 797 | 1000 | 51 | 269 | 16 |
| 04.01 - 10.00 | 53 | - | 15 | - | 932 | 1000 | 48 | 168 | 11 |
| 10.01 & above | - | - | 47 | - | 953 | 1000 | 17 | 32 | 2 |
| all | 89 | 41 | 33 | - | 837 | 1000 | 242 | 2077 | 120 |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | 112 | - | - | - | 888 | 1000 | 18 | 84 | 4 |
| 00.51 - 01.00 | - | 290 | - | - | 710 | 1000 | 47 | 201 | 10 |
| 01.01 - 02.00 | - | 154 | - | - | 846 | 1000 | 28 | 131 | 7 |
| 02.01 - 04.00 | 83 | 666 | - | - | 251 | 1000 | 76 | 118 | 6 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 9 | 37 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 47 | 385 | - | - | 568 | 1000 | 177 | 571 | 29 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 105 | 102 | - | - | 792 | 1000 | 53 | 405 | 22 |
| 00.21 - 00.50 | 209 | 96 | - | - | 694 | 1000 | 191 | 871 | 39 |
| 00.51 - 01.00 | 263 | 155 | - | 41 | 542 | 1000 | 260 | 781 | 32 |
| 01.01 - 02.00 | 220 | 156 | 60 | - | 564 | 1000 | 232 | 592 | 27 |
| 02.01 - 04.00 | 190 | 231 | 17 | 65 | 497 | 1000 | 285 | 388 | 18 |
| 04.01 - 10.00 | - | 642 | 181 | - | 177 | 1000 | 229 | 190 | 9 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|-----|-----|----|----|-----|------|------|------|-----|
| all | 175 | 250 | 48 | 23 | 503 | 1000 | 1250 | 3226 | 147 |
|-----|-----|-----|----|----|-----|------|------|------|-----|

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | Bihar | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|-----|
| | by hired tractor | | by other tractor | | not used | all | | no. of hhs. reporting cultivation of a crop in the crop-group | | |
| | entirely | partly | entirely | partly | | | | estd.(00) | sample | |
| | (1) | (2) | (3) | (4) | (5) | (6) | | (7) | (8) | (9) |
| Others | | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | 310 | - | 690 | 1000 | 18 | 257 | 8 | |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 27 | 229 | 9 | |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 126 | 287 | 15 | |
| 01.01 - 02.00 | - | - | 46 | - | 954 | 1000 | 57 | 182 | 10 | |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 109 | 106 | 2 | |
| 04.01 - 10.00 | - | - | 1000 | - | - | 1000 | 3 | 16 | 1 | |
| 10.01 & above | - | - | - | - | - | - | - | - | - | |
| all | - | - | 33 | - | 967 | 1000 | 340 | 1077 | 45 | |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Gujarat | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 31 | 76 | 2 |
| 00.01 - 00.20 | 188 | 142 | 45 | - | 624 | 1000 | 61 | 522 | 27 |
| 00.21 - 00.50 | 316 | 132 | 18 | 6 | 528 | 1000 | 654 | 2348 | 112 |
| 00.51 - 01.00 | 315 | 197 | 73 | 56 | 359 | 1000 | 1050 | 2139 | 95 |
| 01.01 - 02.00 | 376 | 147 | 87 | 26 | 365 | 1000 | 1047 | 1326 | 64 |
| 02.01 - 04.00 | 316 | 197 | 181 | - | 306 | 1000 | 1480 | 1049 | 55 |
| 04.01 - 10.00 | 375 | 139 | 423 | 16 | 47 | 1000 | 1320 | 508 | 24 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 338 | 165 | 179 | 20 | 299 | 1000 | 5643 | 7968 | 379 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | 1000 | - | - | - | 1000 | 5 | 23 | 1 |
| 00.21 - 00.50 | 886 | - | - | - | 114 | 1000 | 64 | 189 | 7 |
| 00.51 - 01.00 | 482 | - | 186 | 107 | 225 | 1000 | 134 | 231 | 10 |
| 01.01 - 02.00 | 169 | - | - | - | 831 | 1000 | 131 | 255 | 12 |
| 02.01 - 04.00 | 252 | - | 499 | - | 249 | 1000 | 208 | 152 | 7 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| All | 362 | 9 | 237 | 26 | 366 | 1000 | 541 | 849 | 37 |
| wheat | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 135 | 177 | - | - | 688 | 1000 | 37 | 224 | 14 |
| 00.21 - 00.50 | 314 | 319 | 4 | 23 | 340 | 1000 | 822 | 2568 | 138 |
| 00.51 - 01.00 | 260 | 388 | 1 | 12 | 339 | 1000 | 1112 | 2173 | 107 |
| 01.01 - 02.00 | 435 | 273 | 9 | 7 | 275 | 1000 | 2111 | 2818 | 141 |
| 02.01 - 04.00 | 387 | 298 | 94 | 28 | 192 | 1000 | 2416 | 1890 | 94 |
| 04.01 - 10.00 | 255 | 173 | 235 | - | 337 | 1000 | 2336 | 1232 | 67 |
| 10.01 & above | 16 | 128 | 856 | - | - | 1000 | 313 | 104 | 7 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|-----|-----|----|-----|------|------|-------|-----|
| All | 329 | 267 | 117 | 13 | 275 | 1000 | 9146 | 11009 | 568 |
|-----|-----|-----|-----|----|-----|------|------|-------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Gujarat | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 10 | 25 | 1 |
| 00.01 - 00.20 | 446 | 143 | - | - | 411 | 1000 | 99 | 499 | 32 |
| 00.21 - 00.50 | 370 | 202 | 9 | 12 | 407 | 1000 | 1364 | 4279 | 234 |
| 00.51 - 01.00 | 254 | 206 | - | 16 | 523 | 1000 | 1972 | 3746 | 191 |
| 01.01 - 02.00 | 370 | 194 | 56 | 11 | 368 | 1000 | 3497 | 4364 | 223 |
| 02.01 - 04.00 | 345 | 173 | 158 | 14 | 310 | 1000 | 4234 | 3547 | 174 |
| 04.01 - 10.00 | 392 | 166 | 180 | 17 | 245 | 1000 | 3398 | 2350 | 118 |
| 10.01 & above | 244 | - | 698 | - | 58 | 1000 | 1353 | 426 | 22 |
| all | 343 | 168 | 153 | 13 | 323 | 1000 | 15927 | 19237 | 995 |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 4 | 31 | 3 |
| 00.21 - 00.50 | 341 | 74 | - | 4 | 581 | 1000 | 252 | 1107 | 64 |
| 00.51 - 01.00 | 234 | 137 | 34 | 31 | 565 | 1000 | 429 | 1409 | 73 |
| 01.01 - 02.00 | 183 | 210 | 20 | 18 | 569 | 1000 | 816 | 1619 | 89 |
| 02.01 - 04.00 | 265 | 118 | 53 | - | 564 | 1000 | 1480 | 1414 | 70 |
| 04.01 - 10.00 | 325 | 96 | 215 | - | 365 | 1000 | 798 | 593 | 29 |
| 10.01 & above | 486 | - | - | - | 514 | 1000 | 85 | 50 | 4 |
| all | 266 | 129 | 73 | 8 | 524 | 1000 | 3863 | 6224 | 332 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 813 | - | - | - | 187 | 1000 | 4 | 33 | 2 |
| 00.21 - 00.50 | 286 | 269 | 23 | - | 422 | 1000 | 306 | 972 | 46 |
| 00.51 - 01.00 | 331 | 402 | - | 18 | 249 | 1000 | 493 | 965 | 51 |
| 01.01 - 02.00 | 452 | 150 | 14 | 16 | 368 | 1000 | 1686 | 2176 | 115 |
| 02.01 - 04.00 | 247 | 174 | 67 | 30 | 482 | 1000 | 3420 | 2438 | 122 |
| 04.01 - 10.00 | 300 | 124 | 78 | - | 498 | 1000 | 5927 | 2130 | 116 |
| 10.01 & above | 201 | 28 | 623 | - | 147 | 1000 | 1593 | 367 | 20 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|-----|-----|----|-----|------|-------|------|-----|
| all | 295 | 142 | 128 | 10 | 425 | 1000 | 13428 | 9082 | 472 |
|-----|-----|-----|-----|----|-----|------|-------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Gujarat | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | 188 | 428 | - | - | 384 | 1000 | 233 | 672 | 34 |
| 00.51 - 01.00 | 340 | 242 | - | - | 418 | 1000 | 264 | 440 | 21 |
| 01.01 - 02.00 | 172 | 130 | 154 | 28 | 516 | 1000 | 533 | 584 | 28 |
| 02.01 - 04.00 | 231 | 120 | 196 | - | 453 | 1000 | 972 | 458 | 24 |
| 04.01 - 10.00 | 179 | 122 | 590 | - | 109 | 1000 | 1416 | 542 | 28 |
| 10.01 & above | 310 | - | 690 | - | - | 1000 | 606 | 135 | 5 |
| all | 221 | 130 | 379 | 4 | 266 | 1000 | 4023 | 2831 | 140 |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | 952 | - | 48 | - | - | 1000 | 106 | 180 | 10 |
| 00.51 - 01.00 | 761 | - | 89 | 24 | 126 | 1000 | 106 | 299 | 15 |
| 01.01 - 02.00 | 466 | 149 | 57 | 33 | 295 | 1000 | 172 | 228 | 12 |
| 02.01 - 04.00 | 392 | 21 | 347 | - | 240 | 1000 | 506 | 268 | 14 |
| 04.01 - 10.00 | 28 | - | 749 | - | 223 | 1000 | 697 | 198 | 11 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 261 | 42 | 2 |
| all | 260 | 20 | 532 | 4 | 184 | 1000 | 1848 | 1214 | 64 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 339 | - | 236 | - | 424 | 1000 | 15 | 85 | 4 |
| 00.21 - 00.50 | 311 | 449 | - | 14 | 226 | 1000 | 72 | 229 | 13 |
| 00.51 - 01.00 | 436 | 58 | 331 | - | 175 | 1000 | 204 | 435 | 17 |
| 01.01 - 02.00 | 280 | 169 | 133 | 34 | 385 | 1000 | 282 | 633 | 30 |
| 02.01 - 04.00 | 340 | 17 | - | 74 | 570 | 1000 | 254 | 314 | 15 |
| 04.01 - 10.00 | 315 | - | 571 | - | 114 | 1000 | 218 | 198 | 9 |
| 10.01 & above | 407 | - | 593 | - | - | 1000 | 195 | 97 | 4 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|-----|----|-----|------|------|------|----|
| all | 346 | 78 | 281 | 24 | 271 | 1000 | 1239 | 1991 | 92 |
|-----|-----|----|-----|----|-----|------|------|------|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Gujarat | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fodder | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 17 | 74 | 2 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 4 | 22 | 1 |
| 00.21 - 00.50 | 329 | 57 | - | - | 614 | 1000 | 115 | 732 | 37 |
| 00.51 - 01.00 | 372 | 52 | - | - | 576 | 1000 | 240 | 1017 | 45 |
| 01.01 - 02.00 | 405 | 29 | 19 | - | 546 | 1000 | 400 | 1366 | 68 |
| 02.01 - 04.00 | 424 | 31 | 98 | - | 448 | 1000 | 804 | 1876 | 95 |
| 04.01 - 10.00 | 383 | 76 | 185 | - | 356 | 1000 | 1096 | 1592 | 86 |
| 10.01 & above | 366 | 30 | 503 | - | 102 | 1000 | 488 | 309 | 19 |
| all | 388 | 48 | 169 | - | 394 | 1000 | 3163 | 6989 | 353 |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 2 | 23 | 1 |
| 00.51 - 01.00 | - | 362 | - | - | 638 | 1000 | 44 | 69 | 3 |
| 01.01 - 02.00 | 454 | - | 306 | - | 239 | 1000 | 104 | 153 | 6 |
| 02.01 - 04.00 | 145 | 162 | 454 | 75 | 165 | 1000 | 179 | 141 | 6 |
| 04.01 - 10.00 | - | - | 982 | - | 18 | 1000 | 133 | 48 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 159 | 97 | 527 | 29 | 188 | 1000 | 462 | 434 | 18 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | 709 | 291 | - | - | 1000 | 35 | 46 | 2 |
| 00.01 - 00.20 | 975 | - | 11 | - | 14 | 1000 | 239 | 88 | 4 |
| 00.21 - 00.50 | 389 | 325 | - | - | 285 | 1000 | 221 | 663 | 31 |
| 00.51 - 01.00 | 472 | 209 | - | 13 | 306 | 1000 | 326 | 687 | 37 |
| 01.01 - 02.00 | 549 | 72 | 28 | 7 | 343 | 1000 | 1420 | 1679 | 82 |
| 02.01 - 04.00 | 382 | 119 | 95 | - | 403 | 1000 | 3194 | 2262 | 115 |
| 04.01 - 10.00 | 396 | 84 | 209 | - | 311 | 1000 | 6595 | 2273 | 124 |
| 10.01 & above | 234 | 147 | 468 | - | 151 | 1000 | 2121 | 408 | 23 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|-----|-----|-----|---|-----|------|-------|------|-----|
| all | 395 | 107 | 193 | 1 | 305 | 1000 | 14152 | 8106 | 418 |
|-----|-----|-----|-----|---|-----|------|-------|------|-----|

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Gujarat | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| others | | | | | | | | | |
| nil (< 0.01) | 1000 | - | - | - | - | 1000 | 19 | 28 | 1 |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | 141 | 733 | - | - | 126 | 1000 | 83 | 178 | 8 |
| 00.51 - 01.00 | - | 1000 | - | - | - | 1000 | 13 | 28 | 1 |
| 01.01 - 02.00 | - | 1000 | - | - | - | 1000 | 102 | 81 | 3 |
| 02.01 - 04.00 | 45 | 67 | 75 | - | 813 | 1000 | 74 | 152 | 7 |
| 04.01 - 10.00 | 678 | - | 322 | - | - | 1000 | 30 | 69 | 4 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 18 | 21 | 1 |
| all | 159 | 535 | 97 | - | 209 | 1000 | 338 | 556 | 25 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Haryana | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | 171 | 829 | - | - | - | 1000 | 80 | 61 | 3 |
| 00.01 - 00.20 | 548 | 167 | - | 285 | - | 1000 | 228 | 182 | 9 |
| 00.21 - 00.50 | 682 | 89 | 193 | - | 36 | 1000 | 318 | 555 | 26 |
| 00.51 - 01.00 | 1000 | - | - | - | - | 1000 | 418 | 679 | 29 |
| 01.01 - 02.00 | 738 | 104 | 101 | - | 57 | 1000 | 1290 | 1191 | 50 |
| 02.01 - 04.00 | 408 | 134 | 458 | - | - | 1000 | 1906 | 955 | 45 |
| 04.01 - 10.00 | 144 | 26 | 768 | - | 62 | 1000 | 2489 | 862 | 39 |
| 10.01 & above | 209 | - | 791 | - | - | 1000 | 1347 | 149 | 8 |
| all | 389 | 73 | 500 | 8 | 30 | 1000 | 8077 | 4634 | 209 |
| wheat | | | | | | | | | |
| nil (< 0.01) | 419 | 201 | 379 | - | - | 1000 | 144 | 109 | 5 |
| 00.01 - 00.20 | 721 | 143 | - | 109 | 27 | 1000 | 578 | 479 | 22 |
| 00.21 - 00.50 | 639 | 30 | 186 | 31 | 114 | 1000 | 738 | 1500 | 73 |
| 00.51 - 01.00 | 849 | 94 | 4 | - | 53 | 1000 | 1113 | 1595 | 74 |
| 01.01 - 02.00 | 739 | 100 | 125 | - | 35 | 1000 | 2840 | 2575 | 120 |
| 02.01 - 04.00 | 451 | 126 | 378 | - | 46 | 1000 | 4113 | 2149 | 106 |
| 04.01 - 10.00 | 288 | 25 | 640 | 21 | 26 | 1000 | 4703 | 1480 | 71 |
| 10.01 & above | 179 | - | 821 | - | - | 1000 | 1862 | 212 | 12 |
| all | 468 | 72 | 413 | 11 | 35 | 1000 | 16092 | 10099 | 483 |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 709 | 291 | - | - | - | 1000 | 68 | 130 | 6 |
| 00.21 - 00.50 | 662 | - | 165 | 99 | 74 | 1000 | 230 | 485 | 23 |
| 00.51 - 01.00 | 710 | 114 | - | - | 176 | 1000 | 352 | 558 | 26 |
| 01.01 - 02.00 | 637 | 78 | 125 | - | 160 | 1000 | 801 | 956 | 48 |
| 02.01 - 04.00 | 477 | 276 | 145 | - | 102 | 1000 | 986 | 779 | 40 |
| 04.01 - 10.00 | 313 | 192 | 387 | - | 108 | 1000 | 990 | 541 | 25 |
| 10.01 & above | 385 | - | 615 | - | - | 1000 | 289 | 63 | 3 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|-----|-----|---|-----|------|------|------|-----|
| all | 498 | 157 | 227 | 6 | 111 | 1000 | 3717 | 3512 | 171 |
|-----|-----|-----|-----|---|-----|------|------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Haryana | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 1000 | - | - | - | - | 1000 | 15 | 25 | 1 |
| 00.21 - 00.50 | 860 | - | - | - | 140 | 1000 | 55 | 175 | 9 |
| 00.51 - 01.00 | 1000 | - | - | - | - | 1000 | 92 | 192 | 9 |
| 01.01 - 02.00 | 656 | 62 | 54 | - | 228 | 1000 | 439 | 648 | 31 |
| 02.01 - 04.00 | 658 | 44 | 184 | - | 114 | 1000 | 648 | 545 | 27 |
| 04.01 - 10.00 | 311 | 92 | 396 | - | 201 | 1000 | 657 | 396 | 19 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 94 | 41 | 2 |
| all | 536 | 58 | 249 | - | 157 | 1000 | 2000 | 2022 | 98 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 1000 | - | - | - | - | 1000 | 50 | 73 | 4 |
| 00.21 - 00.50 | 627 | 17 | 262 | - | 93 | 1000 | 108 | 242 | 11 |
| 00.51 - 01.00 | 982 | - | 18 | - | - | 1000 | 159 | 351 | 17 |
| 01.01 - 02.00 | 737 | 61 | 90 | - | 112 | 1000 | 632 | 796 | 42 |
| 02.01 - 04.00 | 599 | 215 | 154 | - | 32 | 1000 | 638 | 628 | 34 |
| 04.01 - 10.00 | 252 | 14 | 552 | 55 | 127 | 1000 | 1128 | 467 | 25 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 154 | 37 | 2 |
| all | 490 | 67 | 336 | 21 | 85 | 1000 | 2868 | 2594 | 135 |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | 1000 | - | - | - | - | 1000 | 15 | 25 | 1 |
| 00.51 - 01.00 | 991 | - | - | - | 9 | 1000 | 15 | 131 | 7 |
| 01.01 - 02.00 | 510 | 257 | 167 | - | 65 | 1000 | 47 | 138 | 8 |
| 02.01 - 04.00 | 174 | 81 | 745 | - | - | 1000 | 195 | 331 | 20 |
| 04.01 - 10.00 | 2 | - | 997 | - | 1 | 1000 | 317 | 286 | 16 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 3 | 1 | 3 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|----|-----|---|---|------|-----|-----|----|
| all | 150 | 47 | 797 | - | 6 | 1000 | 592 | 912 | 55 |
|-----|-----|----|-----|---|---|------|-----|-----|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Haryana | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 578 | - | - | 422 | - | 1000 | 8 | 40 | 2 |
| 00.21 - 00.50 | 392 | - | 261 | 136 | 211 | 1000 | 42 | 172 | 8 |
| 00.51 - 01.00 | 1000 | - | - | - | - | 1000 | 36 | 79 | 4 |
| 01.01 - 02.00 | 341 | - | 231 | - | 428 | 1000 | 53 | 133 | 7 |
| 02.01 - 04.00 | 510 | 48 | 418 | - | 24 | 1000 | 71 | 230 | 12 |
| 04.01 - 10.00 | 27 | - | 726 | - | 247 | 1000 | 119 | 113 | 5 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 12 | 24 | 1 |
| all | 337 | 10 | 443 | 27 | 183 | 1000 | 341 | 791 | 39 |
| fodder | | | | | | | | | |
| nil (< 0.01) | 316 | 684 | - | - | - | 1000 | 18 | 89 | 4 |
| 00.01 - 00.20 | 680 | 86 | - | - | 234 | 1000 | 131 | 447 | 21 |
| 00.21 - 00.50 | 682 | 7 | 124 | 23 | 164 | 1000 | 244 | 957 | 45 |
| 00.51 - 01.00 | 835 | 22 | 4 | - | 139 | 1000 | 386 | 1061 | 50 |
| 01.01 - 02.00 | 694 | 98 | 83 | - | 125 | 1000 | 816 | 1962 | 90 |
| 02.01 - 04.00 | 440 | 153 | 240 | 99 | 68 | 1000 | 972 | 1626 | 76 |
| 04.01 - 10.00 | 240 | 29 | 571 | 69 | 90 | 1000 | 1102 | 1241 | 59 |
| 10.01 & above | 122 | - | 878 | - | - | 1000 | 229 | 190 | 11 |
| all | 480 | 76 | 298 | 46 | 100 | 1000 | 3898 | 7573 | 356 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | 351 | - | 649 | - | - | 1000 | 24 | 48 | 2 |
| 00.01 - 00.20 | 737 | 219 | - | - | 44 | 1000 | 271 | 181 | 8 |
| 00.21 - 00.50 | 273 | - | 405 | 239 | 84 | 1000 | 167 | 178 | 7 |
| 00.51 - 01.00 | 211 | 789 | - | - | - | 1000 | 152 | 120 | 6 |
| 01.01 - 02.00 | 653 | 151 | 147 | - | 49 | 1000 | 535 | 553 | 24 |
| 02.01 - 04.00 | 393 | 259 | 277 | - | 70 | 1000 | 475 | 372 | 17 |
| 04.01 - 10.00 | 264 | 134 | 548 | - | 54 | 1000 | 616 | 398 | 17 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 266 | 65 | 3 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|-----|-----|-----|----|----|------|------|------|----|
| all | 393 | 186 | 358 | 16 | 47 | 1000 | 2506 | 1914 | 84 |
|-----|-----|-----|-----|----|----|------|------|------|----|

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Haryana | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 1000 | - | - | - | - | 1000 | 16 | 26 | 1 |
| 00.21 - 00.50 | 826 | 174 | - | - | - | 1000 | 24 | 112 | 5 |
| 00.51 - 01.00 | 1000 | - | - | - | - | 1000 | 183 | 21 | 1 |
| 01.01 - 02.00 | 721 | 279 | - | - | - | 1000 | 234 | 210 | 9 |
| 02.01 - 04.00 | 258 | 321 | 180 | 20 | 222 | 1000 | 421 | 302 | 13 |
| 04.01 - 10.00 | 284 | 309 | 390 | - | 17 | 1000 | 486 | 218 | 9 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 365 | 69 | 3 |
| all | 367 | 205 | 365 | 5 | 59 | 1000 | 1729 | 958 | 41 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Himachal Pradesh | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 5 | 1 |
| 00.01 - 00.20 | 104 | 19 | - | 13 | 864 | 1000 | 44 | 507 | 92 |
| 00.21 - 00.50 | 65 | 22 | - | - | 913 | 1000 | 174 | 885 | 163 |
| 00.51 - 01.00 | 84 | 21 | 19 | - | 875 | 1000 | 162 | 683 | 127 |
| 01.01 - 02.00 | 59 | 41 | 21 | - | 880 | 1000 | 174 | 470 | 93 |
| 02.01 - 04.00 | 14 | 135 | - | - | 851 | 1000 | 76 | 153 | 31 |
| 04.01 - 10.00 | - | 216 | - | - | 784 | 1000 | 18 | 66 | 14 |
| 10.01 & above | 59 | - | - | - | 941 | 1000 | 8 | 14 | 3 |
| all | 63 | 45 | 10 | 1 | 881 | 1000 | 655 | 2783 | 524 |
| wheat | | | | | | | | | |
| nil (< 0.01) | 226 | 338 | - | - | 436 | 1000 | 15 | 38 | 7 |
| 00.01 - 00.20 | 156 | 21 | - | - | 822 | 1000 | 158 | 1551 | 292 |
| 00.21 - 00.50 | 86 | 33 | 8 | - | 873 | 1000 | 685 | 2771 | 521 |
| 00.51 - 01.00 | 114 | 28 | 8 | 4 | 845 | 1000 | 969 | 2135 | 392 |
| 01.01 - 02.00 | 82 | 69 | 15 | 2 | 831 | 1000 | 921 | 1195 | 228 |
| 02.01 - 04.00 | 39 | 136 | - | 11 | 814 | 1000 | 634 | 504 | 96 |
| 04.01 - 10.00 | - | 234 | 79 | 42 | 645 | 1000 | 211 | 108 | 22 |
| 10.01 & above | 67 | - | - | - | 933 | 1000 | 41 | 30 | 6 |
| all | 83 | 71 | 12 | 6 | 828 | 1000 | 3634 | 8331 | 1564 |
| other cereals | | | | | | | | | |
| nil (< 0.01) | 242 | 336 | - | - | 422 | 1000 | 15 | 38 | 7 |
| 00.01 - 00.20 | 137 | 22 | - | 1 | 840 | 1000 | 128 | 1341 | 255 |
| 00.21 - 00.50 | 90 | 34 | 11 | - | 865 | 1000 | 554 | 2514 | 477 |
| 00.51 - 01.00 | 117 | 33 | 7 | 6 | 837 | 1000 | 752 | 1936 | 357 |
| 01.01 - 02.00 | 89 | 78 | 19 | 3 | 812 | 1000 | 697 | 1081 | 206 |
| 02.01 - 04.00 | 41 | 125 | - | 15 | 819 | 1000 | 491 | 467 | 89 |
| 04.01 - 10.00 | - | 242 | 55 | 40 | 663 | 1000 | 201 | 92 | 19 |
| 10.01 & above | 67 | - | - | - | 933 | 1000 | 43 | 30 | 6 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|----|----|----|---|-----|------|------|------|------|
| all | 85 | 75 | 12 | 8 | 820 | 1000 | 2881 | 7500 | 1416 |
|-----|----|----|----|---|-----|------|------|------|------|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Himachal Pradesh | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 3 | 72 | 13 |
| 00.21 - 00.50 | 5 | - | - | - | 995 | 1000 | 20 | 268 | 52 |
| 00.51 - 01.00 | 32 | - | - | - | 968 | 1000 | 34 | 272 | 50 |
| 01.01 - 02.00 | 50 | 7 | - | - | 943 | 1000 | 47 | 216 | 43 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 17 | 54 | 11 |
| 04.01 - 10.00 | - | - | - | 40 | 960 | 1000 | 18 | 25 | 5 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 0 | 5 | 1 |
| all | 25 | 2 | - | 5 | 967 | 1000 | 139 | 912 | 175 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | 1000 | - | - | - | - | 1000 | 0 | 6 | 1 |
| 00.01 - 00.20 | 19 | 73 | - | - | 908 | 1000 | 3 | 52 | 10 |
| 00.21 - 00.50 | 81 | 24 | 14 | - | 881 | 1000 | 18 | 338 | 64 |
| 00.51 - 01.00 | 369 | 38 | - | - | 593 | 1000 | 24 | 279 | 49 |
| 01.01 - 02.00 | 236 | 48 | 100 | 18 | 599 | 1000 | 27 | 206 | 38 |
| 02.01 - 04.00 | 121 | 290 | - | 30 | 558 | 1000 | 10 | 67 | 12 |
| 04.01 - 10.00 | - | 485 | 260 | 85 | 170 | 1000 | 9 | 34 | 6 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 7 | 15 | 3 |
| all | 186 | 103 | 53 | 16 | 643 | 1000 | 98 | 997 | 183 |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 8 | 29 | 5 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 3 | 29 | 6 |
| 01.01 - 02.00 | 41 | - | - | - | 959 | 1000 | 5 | 20 | 4 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 8 | 14 | 3 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 3 | 9 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|---|---|---|---|-----|------|----|-----|----|
| all | 8 | - | - | - | 992 | 1000 | 27 | 101 | 20 |
|-----|---|---|---|---|-----|------|----|-----|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Himachal Pradesh | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 5 | 1 |
| 00.01 - 00.20 | 1000 | - | - | - | - | 1000 | 0 | 8 | 1 |
| 00.21 - 00.50 | - | 53 | - | - | 947 | 1000 | 3 | 43 | 8 |
| 00.51 - 01.00 | 131 | 40 | - | - | 829 | 1000 | 3 | 43 | 9 |
| 01.01 - 02.00 | 12 | 95 | - | - | 893 | 1000 | 8 | 38 | 8 |
| 02.01 - 04.00 | 829 | - | - | 103 | 68 | 1000 | 5 | 13 | 3 |
| 04.01 - 10.00 | - | - | 1000 | - | - | 1000 | 2 | 6 | 1 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 0 | 5 | 1 |
| all | 206 | 48 | 100 | 22 | 625 | 1000 | 22 | 161 | 32 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 61 | - | - | - | 939 | 1000 | 5 | 239 | 44 |
| 00.21 - 00.50 | 98 | - | - | - | 902 | 1000 | 31 | 570 | 106 |
| 00.51 - 01.00 | 55 | - | - | - | 945 | 1000 | 51 | 444 | 85 |
| 01.01 - 02.00 | 6 | - | - | - | 994 | 1000 | 53 | 310 | 63 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 16 | 136 | 27 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 5 | 16 | 4 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 40 | - | - | - | 960 | 1000 | 162 | 1717 | 329 |
| fodder | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 514 | 85 | - | - | 400 | 1000 | 3 | 99 | 19 |
| 00.21 - 00.50 | 299 | 25 | 30 | - | 646 | 1000 | 17 | 262 | 48 |
| 00.51 - 01.00 | 326 | 159 | - | - | 515 | 1000 | 22 | 267 | 49 |
| 01.01 - 02.00 | 104 | 47 | 35 | 14 | 799 | 1000 | 34 | 175 | 33 |
| 02.01 - 04.00 | 82 | 439 | - | 10 | 469 | 1000 | 16 | 78 | 15 |
| 04.01 - 10.00 | - | 121 | 88 | - | 791 | 1000 | 13 | 21 | 4 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|-----|----|---|-----|------|-----|-----|-----|
| all | 179 | 139 | 27 | 6 | 650 | 1000 | 105 | 903 | 168 |
|-----|-----|-----|----|---|-----|------|-----|-----|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Himachal Pradesh | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 3 | 6 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 3 | 25 | 6 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 25 | 125 | 20 |
| 00.51 - 01.00 | 3 | - | - | - | 997 | 1000 | 85 | 238 | 40 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 155 | 181 | 32 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 111 | 61 | 12 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 33 | 5 | 1 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 1 | - | - | - | 999 | 1000 | 413 | 641 | 112 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 157 | - | - | - | 843 | 1000 | 3 | 37 | 8 |
| 00.21 - 00.50 | 37 | - | - | - | 963 | 1000 | 47 | 280 | 45 |
| 00.51 - 01.00 | 8 | - | - | - | 992 | 1000 | 79 | 234 | 42 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 85 | 174 | 32 |
| 02.01 - 04.00 | 32 | - | - | - | 968 | 1000 | 85 | 111 | 21 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 9 | 21 | 5 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 10 | 14 | 3 |
| all | 17 | - | - | - | 983 | 1000 | 317 | 872 | 156 |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 2 | 33 | 6 |
| 00.21 - 00.50 | 12 | - | - | - | 988 | 1000 | 19 | 122 | 21 |
| 00.51 - 01.00 | 84 | - | - | - | 916 | 1000 | 43 | 148 | 27 |
| 01.01 - 02.00 | 41 | - | - | - | 959 | 1000 | 35 | 146 | 29 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 4 | 30 | 6 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 17 | 37 | 8 |
| 10.01 & above | 353 | - | - | - | 647 | 1000 | 2 | 10 | 2 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|----|---|---|---|-----|------|-----|-----|----|
| all | 48 | - | - | - | 952 | 1000 | 122 | 525 | 99 |
|-----|----|---|---|---|-----|------|-----|-----|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Jammu & Kashmir | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 6 | 1 |
| 00.01 - 00.20 | 98 | 134 | - | - | 768 | 1000 | 78 | 529 | 110 |
| 00.21 - 00.50 | 206 | 163 | 1 | - | 631 | 1000 | 557 | 2123 | 418 |
| 00.51 - 01.00 | 294 | 195 | - | 7 | 504 | 1000 | 564 | 1293 | 265 |
| 01.01 - 02.00 | 293 | 150 | 29 | 7 | 520 | 1000 | 535 | 711 | 185 |
| 02.01 - 04.00 | 278 | 204 | 98 | - | 419 | 1000 | 339 | 283 | 71 |
| 04.01 - 10.00 | - | 212 | 447 | - | 341 | 1000 | 117 | 49 | 16 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 246 | 176 | 46 | 4 | 528 | 1000 | 2191 | 4994 | 1066 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 4 | 1 |
| 00.21 - 00.50 | 150 | 230 | - | - | 620 | 1000 | 9 | 59 | 10 |
| 00.51 - 01.00 | 487 | 211 | - | - | 301 | 1000 | 20 | 82 | 12 |
| 01.01 - 02.00 | 82 | - | - | - | 918 | 1000 | 18 | 35 | 7 |
| 02.01 - 04.00 | 37 | - | - | - | 963 | 1000 | 8 | 11 | 3 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 231 | 113 | - | - | 655 | 1000 | 56 | 191 | 33 |
| wheat | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 2 | 2 |
| 00.01 - 00.20 | 379 | 33 | - | - | 588 | 1000 | 23 | 192 | 54 |
| 00.21 - 00.50 | 233 | 36 | 3 | 6 | 723 | 1000 | 184 | 646 | 197 |
| 00.51 - 01.00 | 275 | 49 | - | - | 675 | 1000 | 491 | 849 | 206 |
| 01.01 - 02.00 | 251 | 123 | 12 | 7 | 607 | 1000 | 663 | 659 | 170 |
| 02.01 - 04.00 | 277 | 147 | 56 | - | 519 | 1000 | 521 | 287 | 69 |
| 04.01 - 10.00 | - | 230 | 536 | - | 234 | 1000 | 127 | 35 | 13 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|-----|----|---|-----|------|------|------|-----|
| all | 248 | 109 | 53 | 3 | 588 | 1000 | 2010 | 2670 | 711 |
|-----|-----|-----|----|---|-----|------|------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Jammu & Kashmir | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 2 | 2 |
| 00.01 - 00.20 | 194 | - | - | - | 806 | 1000 | 16 | 143 | 37 |
| 00.21 - 00.50 | 8 | 14 | - | 2 | 977 | 1000 | 139 | 611 | 162 |
| 00.51 - 01.00 | 125 | 21 | - | - | 855 | 1000 | 296 | 707 | 155 |
| 01.01 - 02.00 | 76 | 62 | - | 38 | 824 | 1000 | 301 | 494 | 112 |
| 02.01 - 04.00 | 144 | 78 | - | - | 779 | 1000 | 194 | 189 | 37 |
| 04.01 - 10.00 | - | - | 369 | - | 631 | 1000 | 38 | 21 | 6 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 93 | 42 | 14 | 12 | 838 | 1000 | 985 | 2167 | 511 |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 2 | 2 |
| 00.01 - 00.20 | 636 | - | - | - | 364 | 1000 | 1 | 44 | 9 |
| 00.21 - 00.50 | 86 | 13 | - | 177 | 724 | 1000 | 12 | 266 | 52 |
| 00.51 - 01.00 | 198 | 70 | - | 83 | 650 | 1000 | 45 | 458 | 85 |
| 01.01 - 02.00 | 169 | 141 | 7 | 44 | 639 | 1000 | 68 | 352 | 74 |
| 02.01 - 04.00 | 189 | 136 | - | - | 675 | 1000 | 57 | 174 | 33 |
| 04.01 - 10.00 | - | 277 | 720 | - | 4 | 1000 | 9 | 13 | 5 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 171 | 120 | 37 | 46 | 626 | 1000 | 193 | 1309 | 260 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 2 | 1 |
| 00.01 - 00.20 | 118 | 124 | - | 27 | 732 | 1000 | 26 | 223 | 45 |
| 00.21 - 00.50 | 166 | 158 | - | - | 676 | 1000 | 290 | 887 | 157 |
| 00.51 - 01.00 | 404 | 304 | - | 16 | 276 | 1000 | 171 | 764 | 131 |
| 01.01 - 02.00 | 303 | 228 | - | 9 | 460 | 1000 | 83 | 294 | 62 |
| 02.01 - 04.00 | 265 | 170 | - | - | 565 | 1000 | 62 | 144 | 26 |
| 04.01 - 10.00 | - | 141 | 436 | - | 424 | 1000 | 9 | 20 | 6 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|-----|---|---|-----|------|-----|------|-----|
| all | 253 | 206 | 6 | 7 | 529 | 1000 | 642 | 2333 | 428 |
|-----|-----|-----|---|---|-----|------|-----|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Jammu & Kashmir | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|---------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor or | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 90 | - | - | - | 910 | 1000 | 1 | 23 | 4 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 4 | 39 | 9 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 4 | 35 | 7 |
| 01.01 - 02.00 | 756 | 137 | - | - | 106 | 1000 | 12 | 22 | 6 |
| 02.01 - 04.00 | - | 1000 | - | - | - | 1000 | 3 | 7 | 3 |
| 04.01 - 10.00 | - | - | 1000 | - | - | 1000 | 0 | 2 | 1 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 378 | 183 | 10 | - | 429 | 1000 | 23 | 127 | 30 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 11 | 3 |
| 00.01 - 00.20 | 7 | 33 | - | 9 | 952 | 1000 | 39 | 721 | 145 |
| 00.21 - 00.50 | 140 | 101 | - | 2 | 756 | 1000 | 91 | 1396 | 249 |
| 00.51 - 01.00 | 60 | 79 | - | - | 861 | 1000 | 224 | 1094 | 182 |
| 01.01 - 02.00 | 68 | 157 | 18 | 26 | 731 | 1000 | 43 | 399 | 86 |
| 02.01 - 04.00 | - | 223 | 101 | - | 676 | 1000 | 17 | 102 | 22 |
| 04.01 - 10.00 | - | - | 208 | - | 792 | 1000 | 9 | 24 | 7 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 69 | 92 | 11 | 4 | 825 | 1000 | 424 | 3748 | 694 |
| fodder | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 330 | 60 | - | - | 609 | 1000 | 12 | 151 | 35 |
| 00.21 - 00.50 | 296 | 98 | - | 11 | 594 | 1000 | 64 | 730 | 171 |
| 00.51 - 01.00 | 391 | 155 | - | 10 | 443 | 1000 | 104 | 700 | 140 |
| 01.01 - 02.00 | 251 | 157 | 25 | 59 | 508 | 1000 | 87 | 451 | 117 |
| 02.01 - 04.00 | 327 | 156 | 103 | - | 414 | 1000 | 54 | 157 | 47 |
| 04.01 - 10.00 | - | 177 | 201 | - | 622 | 1000 | 20 | 34 | 12 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|-----|----|----|-----|------|-----|------|-----|
| all | 302 | 143 | 35 | 20 | 500 | 1000 | 342 | 2223 | 522 |
|-----|-----|-----|----|----|-----|------|-----|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Jammu & Kashmir | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 12 | 84 | 20 |
| 00.21 - 00.50 | 21 | 2 | - | 11 | 966 | 1000 | 82 | 551 | 96 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 181 | 535 | 90 |
| 01.01 - 02.00 | - | - | - | 4 | 996 | 1000 | 150 | 234 | 50 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 55 | 45 | 10 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 20 | 16 | 4 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 3 | 0 | - | 3 | 993 | 1000 | 500 | 1464 | 270 |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 450 | 61 | - | - | 489 | 1000 | 6 | 51 | 14 |
| 00.21 - 00.50 | 476 | 119 | - | 8 | 396 | 1000 | 28 | 204 | 49 |
| 00.51 - 01.00 | 225 | 95 | - | - | 680 | 1000 | 39 | 130 | 30 |
| 01.01 - 02.00 | 257 | 157 | 7 | - | 579 | 1000 | 43 | 85 | 24 |
| 02.01 - 04.00 | - | 14 | - | - | 986 | 1000 | 18 | 20 | 6 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 266 | 108 | 2 | 2 | 622 | 1000 | 135 | 491 | 123 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Karnataka | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 31 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 86 | 613 | 34 |
| 00.21 - 00.50 | 58 | 50 | - | - | 892 | 1000 | 431 | 1344 | 67 |
| 00.51 - 01.00 | 28 | 11 | - | - | 962 | 1000 | 1457 | 2666 | 110 |
| 01.01 - 02.00 | 62 | 57 | 25 | 5 | 852 | 1000 | 3039 | 3534 | 148 |
| 02.01 - 04.00 | 137 | 41 | 49 | 27 | 747 | 1000 | 2313 | 1756 | 79 |
| 04.01 - 10.00 | 209 | 64 | 32 | 49 | 646 | 1000 | 1403 | 684 | 34 |
| 10.01 & above | - | 159 | 716 | - | 125 | 1000 | 550 | 116 | 6 |
| all | 93 | 52 | 68 | 16 | 772 | 1000 | 9279 | 10743 | 479 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 17 | 136 | 5 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 70 | 261 | 10 |
| 00.51 - 01.00 | 56 | 47 | - | - | 897 | 1000 | 185 | 378 | 17 |
| 01.01 - 02.00 | 158 | 245 | - | - | 597 | 1000 | 416 | 623 | 27 |
| 02.01 - 04.00 | 161 | 102 | 48 | - | 688 | 1000 | 470 | 352 | 18 |
| 04.01 - 10.00 | 229 | 267 | 71 | - | 432 | 1000 | 548 | 299 | 13 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 163 | 179 | 36 | - | 622 | 1000 | 1707 | 2049 | 90 |
| wheat | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 2 | 21 | 1 |
| 00.21 - 00.50 | 177 | - | - | - | 823 | 1000 | 52 | 151 | 7 |
| 00.51 - 01.00 | 396 | - | - | - | 604 | 1000 | 76 | 198 | 8 |
| 01.01 - 02.00 | 269 | - | - | - | 731 | 1000 | 217 | 326 | 14 |
| 02.01 - 04.00 | 206 | 64 | 151 | 79 | 501 | 1000 | 339 | 408 | 17 |
| 04.01 - 10.00 | 189 | 197 | 10 | - | 604 | 1000 | 433 | 446 | 19 |
| 10.01 & above | - | 46 | 360 | - | 594 | 1000 | 254 | 160 | 6 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|-----|----|-----|------|------|------|----|
| all | 182 | 86 | 107 | 19 | 606 | 1000 | 1374 | 1711 | 72 |
|-----|-----|----|-----|----|-----|------|------|------|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Karnataka | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 40 | 28 | 3 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 162 | 1013 | 53 |
| 00.21 - 00.50 | 18 | 34 | - | - | 948 | 1000 | 1214 | 3784 | 183 |
| 00.51 - 01.00 | 91 | 64 | 6 | 1 | 838 | 1000 | 3261 | 5450 | 240 |
| 01.01 - 02.00 | 65 | 37 | 7 | - | 891 | 1000 | 6779 | 7340 | 315 |
| 02.01 - 04.00 | 51 | 130 | 52 | 1 | 766 | 1000 | 8531 | 5300 | 221 |
| 04.01 - 10.00 | 69 | 167 | 41 | 32 | 691 | 1000 | 9997 | 3343 | 143 |
| 10.01 & above | 72 | 425 | 177 | - | 326 | 1000 | 4067 | 546 | 23 |
| all | 64 | 147 | 48 | 10 | 731 | 1000 | 34052 | 26804 | 1181 |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 35 | 164 | 10 |
| 00.21 - 00.50 | 4 | - | - | - | 996 | 1000 | 384 | 1286 | 62 |
| 00.51 - 01.00 | 4 | 4 | 3 | 1 | 989 | 1000 | 1090 | 2200 | 99 |
| 01.01 - 02.00 | 57 | 17 | - | - | 927 | 1000 | 2490 | 2863 | 123 |
| 02.01 - 04.00 | 29 | 12 | 15 | 6 | 939 | 1000 | 2670 | 2172 | 94 |
| 04.01 - 10.00 | 14 | 56 | 24 | 28 | 878 | 1000 | 3105 | 1237 | 57 |
| 10.01 & above | 43 | 386 | 236 | - | 335 | 1000 | 1407 | 304 | 13 |
| all | 29 | 71 | 40 | 9 | 850 | 1000 | 11180 | 10226 | 458 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 39 | 24 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 37 | 242 | 11 |
| 00.21 - 00.50 | - | 6 | - | - | 994 | 1000 | 200 | 625 | 30 |
| 00.51 - 01.00 | 156 | 61 | - | - | 782 | 1000 | 865 | 1421 | 61 |
| 01.01 - 02.00 | 30 | 99 | - | - | 871 | 1000 | 2795 | 2526 | 103 |
| 02.01 - 04.00 | 110 | 220 | 16 | - | 654 | 1000 | 3009 | 2115 | 89 |
| 04.01 - 10.00 | 137 | 147 | 31 | 25 | 661 | 1000 | 4350 | 1948 | 81 |
| 10.01 & above | 225 | 363 | 284 | - | 128 | 1000 | 2295 | 403 | 16 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|-----|----|---|-----|------|-------|------|-----|
| all | 122 | 181 | 61 | 8 | 627 | 1000 | 13590 | 9305 | 392 |
|-----|-----|-----|----|---|-----|------|-------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Karnataka | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 170 | - | - | - | 830 | 1000 | 29 | 189 | 9 |
| 00.21 - 00.50 | 39 | - | - | - | 961 | 1000 | 189 | 582 | 26 |
| 00.51 - 01.00 | 50 | 28 | 51 | - | 870 | 1000 | 709 | 1193 | 54 |
| 01.01 - 02.00 | 121 | 21 | 10 | 19 | 830 | 1000 | 1390 | 1365 | 56 |
| 02.01 - 04.00 | 287 | 34 | 23 | - | 656 | 1000 | 864 | 590 | 28 |
| 04.01 - 10.00 | 264 | 51 | - | 44 | 641 | 1000 | 1832 | 602 | 24 |
| 10.01 & above | 365 | 45 | - | - | 590 | 1000 | 362 | 111 | 5 |
| all | 201 | 35 | 13 | 20 | 731 | 1000 | 5374 | 4633 | 202 |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 11 | 72 | 3 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 41 | 162 | 7 |
| 00.51 - 01.00 | 137 | - | 18 | - | 846 | 1000 | 157 | 448 | 20 |
| 01.01 - 02.00 | 164 | - | 47 | - | 789 | 1000 | 738 | 1078 | 45 |
| 02.01 - 04.00 | 158 | - | 111 | - | 730 | 1000 | 700 | 536 | 24 |
| 04.01 - 10.00 | 11 | - | 312 | - | 678 | 1000 | 338 | 301 | 14 |
| 10.01 & above | 169 | 168 | 663 | - | - | 1000 | 138 | 74 | 3 |
| all | 132 | 11 | 147 | - | 710 | 1000 | 2123 | 2670 | 116 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | 39 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 17 | 168 | 7 |
| 00.21 - 00.50 | - | 195 | - | - | 805 | 1000 | 67 | 350 | 17 |
| 00.51 - 01.00 | 83 | 146 | - | - | 771 | 1000 | 360 | 727 | 31 |
| 01.01 - 02.00 | 234 | 161 | 34 | - | 571 | 1000 | 542 | 886 | 38 |
| 02.01 - 04.00 | 24 | - | 135 | - | 841 | 1000 | 384 | 437 | 20 |
| 04.01 - 10.00 | 325 | 161 | - | 232 | 281 | 1000 | 231 | 248 | 12 |
| 10.01 & above | - | 65 | - | - | 935 | 1000 | 65 | 48 | 3 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|-----|----|----|-----|------|------|------|-----|
| all | 145 | 117 | 42 | 32 | 664 | 1000 | 1666 | 2904 | 129 |
|-----|-----|-----|----|----|-----|------|------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Karnataka | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fodder | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 5 | 53 | 2 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 42 | 93 | 4 |
| 01.01 - 02.00 | - | 163 | 139 | - | 698 | 1000 | 163 | 305 | 12 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 77 | 241 | 9 |
| 04.01 - 10.00 | 502 | - | - | - | 498 | 1000 | 191 | 168 | 7 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 94 | 23 | 1 |
| all | 167 | 47 | 40 | - | 746 | 1000 | 572 | 884 | 35 |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | 24 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 36 | 751 | 32 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 61 | 527 | 30 |
| 00.51 - 01.00 | - | - | - | 5 | 995 | 1000 | 322 | 1002 | 46 |
| 01.01 - 02.00 | 15 | - | 13 | - | 972 | 1000 | 370 | 863 | 38 |
| 02.01 - 04.00 | 20 | 93 | 69 | - | 819 | 1000 | 514 | 499 | 21 |
| 04.01 - 10.00 | 131 | - | 203 | - | 667 | 1000 | 253 | 154 | 8 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 52 | 36 | 2 |
| all | 30 | 30 | 57 | 1 | 882 | 1000 | 1608 | 3856 | 178 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 19 | 24 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 16 | 121 | 5 |
| 00.21 - 00.50 | 54 | - | - | - | 946 | 1000 | 184 | 450 | 20 |
| 00.51 - 01.00 | 61 | - | - | - | 939 | 1000 | 518 | 1255 | 56 |
| 01.01 - 02.00 | 67 | 39 | 20 | 3 | 871 | 1000 | 1347 | 2025 | 88 |
| 02.01 - 04.00 | 164 | 30 | 86 | 19 | 701 | 1000 | 1866 | 1520 | 69 |
| 04.01 - 10.00 | 277 | 107 | 50 | 30 | 536 | 1000 | 2102 | 1028 | 45 |
| 10.01 & above | 99 | - | 360 | - | 541 | 1000 | 1046 | 228 | 10 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|-----|----|----|----|-----|------|------|------|-----|
| all | 158 | 47 | 94 | 14 | 686 | 1000 | 7099 | 6652 | 294 |
|-----|-----|----|----|----|-----|------|------|------|-----|

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Karnataka | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 16 | 142 | 6 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 10 | 71 | 5 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 91 | 377 | 17 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 283 | 661 | 24 |
| 02.01 - 04.00 | 134 | - | 44 | - | 822 | 1000 | 274 | 404 | 16 |
| 04.01 - 10.00 | 257 | - | - | - | 743 | 1000 | 178 | 163 | 6 |
| 10.01 & above | 408 | - | - | - | 592 | 1000 | 67 | 50 | 2 |
| all | 120 | - | 13 | - | 867 | 1000 | 919 | 1869 | 76 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Kerala | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 264 | 136 | 171 | 49 | 380 | 1000 | 68 | 655 | 41 |
| 00.21 - 00.50 | 338 | 94 | 136 | - | 432 | 1000 | 238 | 1132 | 75 |
| 00.51 - 01.00 | 518 | 56 | 154 | - | 273 | 1000 | 368 | 1014 | 62 |
| 01.01 - 02.00 | 558 | 123 | 62 | - | 257 | 1000 | 202 | 491 | 31 |
| 02.01 - 04.00 | 659 | - | - | - | 341 | 1000 | 192 | 187 | 11 |
| 04.01 - 10.00 | 91 | - | - | - | 909 | 1000 | 129 | 86 | 5 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 170 | 17 | 1 |
| all | 395 | 56 | 83 | 2 | 464 | 1000 | 1367 | 3582 | 226 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 611 | - | 38 | 41 | 310 | 1000 | 23 | 249 | 16 |
| 00.21 - 00.50 | 549 | - | 54 | 7 | 389 | 1000 | 122 | 650 | 44 |
| 00.51 - 01.00 | 416 | - | - | - | 584 | 1000 | 159 | 499 | 30 |
| 01.01 - 02.00 | 309 | 85 | 97 | - | 509 | 1000 | 102 | 327 | 20 |
| 02.01 - 04.00 | 768 | - | 232 | - | - | 1000 | 87 | 103 | 6 |
| 04.01 - 10.00 | 398 | - | 602 | - | - | 1000 | 24 | 32 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 493 | 17 | 100 | 4 | 386 | 1000 | 517 | 1860 | 118 |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 279 | - | - | - | 721 | 1000 | 33 | 583 | 33 |
| 00.21 - 00.50 | 770 | - | - | - | 230 | 1000 | 115 | 306 | 21 |
| 00.51 - 01.00 | - | - | 141 | 60 | 799 | 1000 | 36 | 240 | 13 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 9 | 78 | 4 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 23 | 17 | 1 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|---|----|----|-----|------|-----|------|----|
| all | 454 | - | 23 | 10 | 513 | 1000 | 216 | 1224 | 72 |
|-----|-----|---|----|----|-----|------|-----|------|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Kerala | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | 9 | - | - | 991 | 1000 | 72 | 2040 | 124 |
| 00.21 - 00.50 | 76 | - | - | - | 924 | 1000 | 105 | 839 | 53 |
| 00.51 - 01.00 | 103 | - | - | - | 897 | 1000 | 86 | 368 | 25 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 75 | 177 | 12 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 51 | 52 | 3 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 96 | 69 | 4 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 3 | 17 | 1 |
| all | 35 | 1 | - | - | 964 | 1000 | 488 | 3562 | 222 |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 82 | 1256 | 87 |
| 00.21 - 00.50 | - | - | - | 28 | 972 | 1000 | 100 | 481 | 31 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 74 | 307 | 19 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 170 | 261 | 15 |
| 02.01 - 04.00 | 136 | - | - | - | 864 | 1000 | 53 | 89 | 5 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 1 | 19 | 1 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 15 | - | - | 6 | 979 | 1000 | 480 | 2414 | 158 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 81 | 3852 | 236 |
| 00.21 - 00.50 | - | 28 | - | - | 972 | 1000 | 57 | 1322 | 88 |
| 00.51 - 01.00 | - | 13 | - | - | 987 | 1000 | 59 | 809 | 48 |
| 01.01 - 02.00 | - | 95 | - | - | 905 | 1000 | 33 | 330 | 19 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 9 | 81 | 5 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 20 | 69 | 4 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 3 | 17 | 1 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|---|----|---|---|-----|------|-----|------|-----|
| all | - | 21 | - | - | 979 | 1000 | 263 | 6481 | 401 |
|-----|---|----|---|---|-----|------|-----|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Kerala | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | 35 | 2 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 461 | 12645 | 787 |
| 00.21 - 00.50 | 5 | 1 | 16 | - | 979 | 1000 | 436 | 3166 | 206 |
| 00.51 - 01.00 | 13 | - | - | 5 | 982 | 1000 | 326 | 1671 | 98 |
| 01.01 - 02.00 | - | - | 17 | 49 | 934 | 1000 | 274 | 901 | 55 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 67 | 225 | 13 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 18 | 67 | 4 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 3 | 17 | 1 |
| all | 4 | 0 | 7 | 10 | 979 | 1000 | 1585 | 18728 | 1166 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 40 | 2 |
| 00.01 - 00.20 | - | 7 | 2 | 3 | 988 | 1000 | 440 | 8282 | 508 |
| 00.21 - 00.50 | 8 | - | 4 | - | 988 | 1000 | 669 | 3233 | 208 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 862 | 1940 | 111 |
| 01.01 - 02.00 | 13 | - | - | 11 | 976 | 1000 | 1103 | 1168 | 67 |
| 02.01 - 04.00 | 14 | - | - | 16 | 970 | 1000 | 486 | 283 | 17 |
| 04.01 - 10.00 | - | - | - | 170 | 830 | 1000 | 501 | 99 | 6 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 179 | 32 | 2 |
| all | 6 | 1 | 1 | 25 | 967 | 1000 | 4241 | 15077 | 921 |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 66 | 3293 | 192 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 79 | 977 | 61 |
| 00.51 - 01.00 | 11 | - | - | - | 989 | 1000 | 118 | 794 | 45 |
| 01.01 - 02.00 | - | - | - | 109 | 891 | 1000 | 95 | 494 | 28 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 35 | 143 | 8 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 0 | 17 | 1 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|---|---|---|----|-----|------|-----|------|-----|
| all | 3 | - | - | 26 | 970 | 1000 | 393 | 5718 | 335 |
|-----|---|---|---|----|-----|------|-----|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Madhya Pradesh | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | 26 | 352 | - | 622 | 1000 | 217 | 229 | 11 |
| 00.01 - 00.20 | 16 | 44 | - | - | 940 | 1000 | 248 | 1547 | 88 |
| 00.21 - 00.50 | 96 | 13 | - | - | 891 | 1000 | 2038 | 5951 | 330 |
| 00.51 - 01.00 | 47 | 35 | 1 | - | 917 | 1000 | 5344 | 8553 | 430 |
| 01.01 - 02.00 | 83 | 34 | 6 | 2 | 875 | 1000 | 12419 | 11748 | 585 |
| 02.01 - 04.00 | 61 | 39 | 12 | 1 | 886 | 1000 | 16634 | 9924 | 486 |
| 04.01 - 10.00 | 68 | 92 | 61 | 14 | 764 | 1000 | 11073 | 3393 | 175 |
| 10.01 & above | - | - | 621 | 106 | 273 | 1000 | 2283 | 323 | 17 |
| all | 65 | 46 | 49 | 9 | 831 | 1000 | 50255 | 41668 | 2122 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 8 | 79 | 4 |
| 00.21 - 00.50 | 375 | 80 | - | - | 545 | 1000 | 83 | 297 | 15 |
| 00.51 - 01.00 | 160 | 164 | - | - | 676 | 1000 | 123 | 216 | 11 |
| 01.01 - 02.00 | 214 | 338 | - | - | 447 | 1000 | 310 | 375 | 20 |
| 02.01 - 04.00 | 317 | 218 | - | - | 465 | 1000 | 416 | 235 | 12 |
| 04.01 - 10.00 | - | - | 541 | - | 459 | 1000 | 303 | 93 | 4 |
| 10.01 & above | - | - | - | 1000 | - | 1000 | 57 | 20 | 1 |
| all | 192 | 171 | 126 | 44 | 468 | 1000 | 1299 | 1315 | 67 |
| wheat | | | | | | | | | |
| nil (< 0.01) | 65 | - | 657 | - | 278 | 1000 | 116 | 63 | 3 |
| 00.01 - 00.20 | 414 | 85 | 21 | - | 480 | 1000 | 98 | 631 | 35 |
| 00.21 - 00.50 | 313 | 33 | - | - | 654 | 1000 | 1263 | 3867 | 213 |
| 00.51 - 01.00 | 282 | 54 | 15 | 1 | 648 | 1000 | 4134 | 6639 | 349 |
| 01.01 - 02.00 | 238 | 83 | 18 | 2 | 659 | 1000 | 11262 | 11396 | 602 |
| 02.01 - 04.00 | 180 | 103 | 94 | 8 | 615 | 1000 | 16358 | 10632 | 544 |
| 04.01 - 10.00 | 217 | 104 | 173 | 26 | 480 | 1000 | 17223 | 5630 | 300 |
| 10.01 & above | 94 | 56 | 771 | 27 | 53 | 1000 | 5109 | 824 | 51 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|-----|----|-----|------|-------|-------|------|
| all | 206 | 89 | 158 | 13 | 533 | 1000 | 55564 | 39682 | 2097 |
|-----|-----|----|-----|----|-----|------|-------|-------|------|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Madhya Pradesh | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 63 | 135 | 7 |
| 00.01 - 00.20 | 428 | - | - | - | 572 | 1000 | 22 | 161 | 12 |
| 00.21 - 00.50 | 213 | 58 | - | 7 | 722 | 1000 | 322 | 1105 | 73 |
| 00.51 - 01.00 | 153 | 53 | 20 | - | 774 | 1000 | 1227 | 2676 | 150 |
| 01.01 - 02.00 | 86 | 42 | 3 | - | 869 | 1000 | 3737 | 5615 | 302 |
| 02.01 - 04.00 | 77 | 51 | 48 | 8 | 816 | 1000 | 7086 | 5992 | 307 |
| 04.01 - 10.00 | 86 | 103 | 70 | 47 | 694 | 1000 | 7133 | 3275 | 166 |
| 10.01 & above | 117 | 13 | 580 | 55 | 236 | 1000 | 2254 | 492 | 29 |
| all | 92 | 63 | 100 | 24 | 722 | 1000 | 21844 | 19451 | 1046 |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | 531 | - | 469 | 1000 | 126 | 106 | 6 |
| 00.01 - 00.20 | 337 | - | - | - | 663 | 1000 | 46 | 357 | 22 |
| 00.21 - 00.50 | 150 | - | 31 | - | 819 | 1000 | 277 | 1356 | 87 |
| 00.51 - 01.00 | 119 | 40 | 7 | 2 | 833 | 1000 | 1500 | 4495 | 234 |
| 01.01 - 02.00 | 150 | 78 | 9 | 1 | 762 | 1000 | 4213 | 8914 | 456 |
| 02.01 - 04.00 | 119 | 67 | 55 | 9 | 750 | 1000 | 6760 | 9460 | 470 |
| 04.01 - 10.00 | 174 | 106 | 118 | 20 | 582 | 1000 | 7801 | 4595 | 244 |
| 10.01 & above | 111 | 80 | 660 | 22 | 127 | 1000 | 2310 | 515 | 32 |
| all | 143 | 80 | 128 | 12 | 637 | 1000 | 23033 | 29797 | 1551 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | 59 | - | 522 | - | 418 | 1000 | 128 | 71 | 4 |
| 00.01 - 00.20 | 584 | 5 | 40 | - | 370 | 1000 | 52 | 339 | 19 |
| 00.21 - 00.50 | 417 | 24 | - | 14 | 544 | 1000 | 583 | 1912 | 106 |
| 00.51 - 01.00 | 349 | 79 | 23 | - | 550 | 1000 | 2382 | 4795 | 233 |
| 01.01 - 02.00 | 273 | 54 | 20 | - | 652 | 1000 | 7058 | 8312 | 420 |
| 02.01 - 04.00 | 211 | 76 | 100 | 8 | 605 | 1000 | 12088 | 9398 | 475 |
| 04.01 - 10.00 | 282 | 113 | 190 | 2 | 412 | 1000 | 12945 | 4403 | 238 |
| 10.01 & above | 114 | 32 | 764 | 73 | 17 | 1000 | 6088 | 682 | 41 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|-----|----|-----|------|-------|-------|------|
| all | 241 | 76 | 208 | 14 | 461 | 1000 | 41323 | 29911 | 1536 |
|-----|-----|----|-----|----|-----|------|-------|-------|------|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Madhya Pradesh | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 74 | 23 | 1 |
| 00.01 - 00.20 | 133 | - | - | - | 867 | 1000 | 24 | 129 | 8 |
| 00.21 - 00.50 | 223 | 44 | - | - | 733 | 1000 | 109 | 407 | 22 |
| 00.51 - 01.00 | 315 | 84 | 9 | - | 592 | 1000 | 626 | 1217 | 66 |
| 01.01 - 02.00 | 233 | 37 | 2 | 22 | 707 | 1000 | 1448 | 2203 | 119 |
| 02.01 - 04.00 | 85 | 74 | 25 | - | 815 | 1000 | 2955 | 2693 | 137 |
| 04.01 - 10.00 | 124 | 163 | 19 | 10 | 684 | 1000 | 2988 | 1183 | 65 |
| 10.01 & above | 84 | - | 916 | - | - | 1000 | 305 | 66 | 5 |
| all | 142 | 96 | 49 | 7 | 706 | 1000 | 8529 | 7920 | 423 |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 7 | 23 | 1 |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 2 | 7 | 1 |
| 00.51 - 01.00 | - | 1000 | - | - | - | 1000 | 5 | 14 | 1 |
| 01.01 - 02.00 | 159 | 252 | - | - | 588 | 1000 | 72 | 209 | 10 |
| 02.01 - 04.00 | 97 | 88 | 115 | - | 699 | 1000 | 163 | 257 | 13 |
| 04.01 - 10.00 | 64 | 377 | 120 | - | 438 | 1000 | 213 | 253 | 14 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 66 | 33 | 2 |
| all | 78 | 223 | 209 | - | 491 | 1000 | 527 | 797 | 42 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 8 | 92 | 5 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 15 | 124 | 7 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 78 | 425 | 33 |
| 00.51 - 01.00 | 38 | 71 | - | - | 891 | 1000 | 118 | 876 | 39 |
| 01.01 - 02.00 | 56 | - | 25 | 15 | 904 | 1000 | 576 | 2093 | 88 |
| 02.01 - 04.00 | 36 | - | 5 | - | 958 | 1000 | 805 | 2188 | 93 |
| 04.01 - 10.00 | 158 | - | 57 | 99 | 686 | 1000 | 587 | 860 | 41 |
| 10.01 & above | - | - | 777 | - | 223 | 1000 | 139 | 72 | 4 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|----|---|----|----|-----|------|------|------|-----|
| all | 68 | 4 | 69 | 29 | 830 | 1000 | 2327 | 6731 | 310 |
|-----|----|---|----|----|-----|------|------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Madhya Pradesh | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fodder | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 9 | 9 | 1 |
| 00.01 - 00.20 | - | 214 | - | - | 786 | 1000 | 3 | 90 | 4 |
| 00.21 - 00.50 | 129 | - | - | - | 871 | 1000 | 14 | 92 | 4 |
| 00.51 - 01.00 | 431 | 85 | - | - | 484 | 1000 | 31 | 147 | 9 |
| 01.01 - 02.00 | 321 | 9 | 20 | - | 650 | 1000 | 125 | 602 | 30 |
| 02.01 - 04.00 | 137 | 10 | 59 | - | 793 | 1000 | 453 | 979 | 49 |
| 04.01 - 10.00 | 105 | 161 | 239 | - | 494 | 1000 | 422 | 576 | 33 |
| 10.01 & above | 234 | 60 | 625 | 81 | - | 1000 | 190 | 159 | 10 |
| all | 165 | 71 | 200 | 12 | 552 | 1000 | 1247 | 2654 | 140 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 244 | - | - | - | 756 | 1000 | 8 | 35 | 3 |
| 00.21 - 00.50 | 216 | 36 | - | - | 748 | 1000 | 85 | 348 | 22 |
| 00.51 - 01.00 | 51 | 68 | 31 | - | 849 | 1000 | 263 | 649 | 37 |
| 01.01 - 02.00 | 120 | 20 | - | - | 860 | 1000 | 1004 | 1525 | 78 |
| 02.01 - 04.00 | 157 | 39 | 19 | - | 786 | 1000 | 1564 | 1563 | 75 |
| 04.01 - 10.00 | 125 | 60 | 76 | 60 | 679 | 1000 | 2107 | 974 | 45 |
| 10.01 & above | 244 | 78 | 307 | 69 | 302 | 1000 | 964 | 224 | 12 |
| all | 150 | 51 | 83 | 32 | 685 | 1000 | 5995 | 5316 | 272 |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 1000 | - | - | - | - | 1000 | 3 | 31 | 1 |
| 00.21 - 00.50 | 302 | - | - | - | 698 | 1000 | 22 | 84 | 4 |
| 00.51 - 01.00 | 28 | - | - | - | 972 | 1000 | 208 | 357 | 17 |
| 01.01 - 02.00 | 195 | 24 | - | - | 781 | 1000 | 319 | 485 | 22 |
| 02.01 - 04.00 | 30 | 10 | 11 | - | 949 | 1000 | 912 | 605 | 30 |
| 04.01 - 10.00 | 327 | 74 | - | - | 599 | 1000 | 312 | 169 | 8 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 66 | 29 | 2 |
| all | 112 | 22 | 5 | - | 860 | 1000 | 1842 | 1760 | 84 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Maharashtra | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 30 | 40 | 2 |
| 00.01 - 00.20 | 18 | - | - | - | 982 | 1000 | 274 | 2327 | 108 |
| 00.21 - 00.50 | 15 | - | - | - | 985 | 1000 | 1347 | 4445 | 207 |
| 00.51 - 01.00 | 4 | 4 | 4 | - | 988 | 1000 | 2142 | 3939 | 179 |
| 01.01 - 02.00 | 49 | 9 | 15 | - | 927 | 1000 | 3075 | 3599 | 165 |
| 02.01 - 04.00 | 21 | 4 | 26 | - | 949 | 1000 | 2917 | 2273 | 108 |
| 04.01 - 10.00 | 19 | 60 | 57 | - | 864 | 1000 | 1867 | 1157 | 55 |
| 10.01 & above | - | 144 | - | - | 856 | 1000 | 235 | 212 | 9 |
| all | 24 | 16 | 20 | - | 940 | 1000 | 11884 | 17992 | 833 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 3 | 23 | 1 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 41 | 156 | 12 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 81 | 131 | 5 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 122 | 125 | 5 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 44 | 88 | 3 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 292 | 522 | 26 |
| wheat | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 28 | 80 | 5 |
| 00.21 - 00.50 | 320 | 61 | - | - | 619 | 1000 | 113 | 549 | 30 |
| 00.51 - 01.00 | 104 | 23 | - | 18 | 855 | 1000 | 656 | 1658 | 80 |
| 01.01 - 02.00 | 194 | 22 | 10 | 3 | 772 | 1000 | 1587 | 3024 | 146 |
| 02.01 - 04.00 | 45 | 19 | 36 | 4 | 896 | 1000 | 2197 | 3064 | 147 |
| 04.01 - 10.00 | 155 | 33 | 33 | - | 778 | 1000 | 2555 | 2147 | 101 |
| 10.01 & above | 312 | 20 | 262 | - | 405 | 1000 | 838 | 426 | 19 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|----|---|-----|------|------|-------|-----|
| all | 146 | 25 | 50 | 3 | 775 | 1000 | 7973 | 10949 | 528 |
|-----|-----|----|----|---|-----|------|------|-------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Maharashtra | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 116 | 137 | 5 |
| 00.01 - 00.20 | 179 | - | - | - | 821 | 1000 | 131 | 839 | 43 |
| 00.21 - 00.50 | 125 | 21 | - | - | 854 | 1000 | 1018 | 3452 | 162 |
| 00.51 - 01.00 | 50 | 16 | - | 0 | 934 | 1000 | 3696 | 6407 | 302 |
| 01.01 - 02.00 | 101 | 9 | 12 | 1 | 876 | 1000 | 9374 | 10299 | 487 |
| 02.01 - 04.00 | 80 | 11 | 25 | 5 | 880 | 1000 | 12415 | 8322 | 388 |
| 04.01 - 10.00 | 110 | 49 | 27 | - | 814 | 1000 | 12155 | 5156 | 235 |
| 10.01 & above | 37 | 11 | 116 | 131 | 705 | 1000 | 3861 | 762 | 35 |
| all | 88 | 22 | 28 | 13 | 849 | 1000 | 42767 | 35375 | 1657 |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 9 | 22 | 2 |
| 00.01 - 00.20 | 276 | - | - | - | 724 | 1000 | 17 | 90 | 5 |
| 00.21 - 00.50 | 83 | - | - | - | 917 | 1000 | 157 | 744 | 36 |
| 00.51 - 01.00 | 60 | - | 29 | - | 911 | 1000 | 639 | 2152 | 99 |
| 01.01 - 02.00 | 82 | 12 | 4 | - | 901 | 1000 | 2152 | 4794 | 223 |
| 02.01 - 04.00 | 53 | 9 | 26 | - | 912 | 1000 | 3236 | 4401 | 206 |
| 04.01 - 10.00 | 55 | 19 | 12 | - | 913 | 1000 | 3732 | 3005 | 140 |
| 10.01 & above | 82 | - | 213 | - | 705 | 1000 | 1061 | 451 | 21 |
| all | 63 | 12 | 35 | - | 890 | 1000 | 11002 | 15659 | 732 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 417 | - | - | - | 583 | 1000 | 20 | 204 | 9 |
| 00.21 - 00.50 | 200 | - | - | 22 | 778 | 1000 | 97 | 414 | 19 |
| 00.51 - 01.00 | 154 | - | - | 23 | 824 | 1000 | 526 | 1399 | 61 |
| 01.01 - 02.00 | 133 | 4 | - | 29 | 834 | 1000 | 1271 | 2101 | 98 |
| 02.01 - 04.00 | 97 | 5 | 3 | - | 896 | 1000 | 1856 | 2026 | 92 |
| 04.01 - 10.00 | 157 | 20 | 65 | - | 758 | 1000 | 2550 | 1712 | 77 |
| 10.01 & above | 88 | - | 350 | - | 561 | 1000 | 657 | 195 | 9 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|---|----|---|-----|------|------|------|-----|
| all | 131 | 9 | 58 | 7 | 795 | 1000 | 6977 | 8051 | 365 |
|-----|-----|---|----|---|-----|------|------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Maharashtra | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 1 | 23 | 2 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 57 | 161 | 7 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 332 | 448 | 21 |
| 01.01 - 02.00 | 41 | - | - | - | 959 | 1000 | 696 | 722 | 35 |
| 02.01 - 04.00 | - | 38 | - | - | 962 | 1000 | 1019 | 743 | 38 |
| 04.01 - 10.00 | 68 | 17 | - | - | 915 | 1000 | 2417 | 723 | 34 |
| 10.01 & above | 914 | - | - | - | 86 | 1000 | 63 | 16 | 2 |
| all | 55 | 17 | - | - | 928 | 1000 | 4585 | 2835 | 139 |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 526 | 9 | - | - | 465 | 1000 | 47 | 425 | 24 |
| 00.21 - 00.50 | 522 | 133 | - | - | 346 | 1000 | 134 | 588 | 25 |
| 00.51 - 01.00 | 474 | 72 | - | - | 454 | 1000 | 321 | 811 | 35 |
| 01.01 - 02.00 | 421 | 177 | 53 | 20 | 329 | 1000 | 757 | 1267 | 58 |
| 02.01 - 04.00 | 442 | - | 211 | - | 347 | 1000 | 768 | 868 | 42 |
| 04.01 - 10.00 | 294 | 93 | 175 | - | 437 | 1000 | 881 | 507 | 22 |
| 10.01 & above | 356 | - | 291 | - | 353 | 1000 | 466 | 143 | 8 |
| all | 394 | 76 | 146 | 4 | 379 | 1000 | 3375 | 4609 | 214 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 22 | 343 | 14 |
| 00.21 - 00.50 | 481 | - | - | - | 519 | 1000 | 22 | 173 | 9 |
| 00.51 - 01.00 | 251 | - | - | - | 749 | 1000 | 134 | 517 | 26 |
| 01.01 - 02.00 | 283 | 9 | 12 | - | 696 | 1000 | 471 | 1254 | 65 |
| 02.01 - 04.00 | 269 | 59 | 53 | 30 | 589 | 1000 | 529 | 1118 | 54 |
| 04.01 - 10.00 | 19 | 20 | - | - | 962 | 1000 | 432 | 562 | 27 |
| 10.01 & above | - | - | 151 | - | 849 | 1000 | 302 | 190 | 8 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|----|---|-----|------|------|------|-----|
| all | 171 | 23 | 42 | 8 | 756 | 1000 | 1911 | 4156 | 203 |
|-----|-----|----|----|---|-----|------|------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Maharashtra | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fodder | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 2 | 23 | 1 |
| 00.21 - 00.50 | 23 | - | - | - | 977 | 1000 | 45 | 138 | 6 |
| 00.51 - 01.00 | 12 | - | - | - | 988 | 1000 | 117 | 375 | 18 |
| 01.01 - 02.00 | 216 | - | - | - | 784 | 1000 | 189 | 470 | 22 |
| 02.01 - 04.00 | 3 | - | 11 | - | 986 | 1000 | 296 | 597 | 28 |
| 04.01 - 10.00 | 21 | - | 5 | - | 974 | 1000 | 126 | 389 | 18 |
| 10.01 & above | 494 | - | 169 | - | 337 | 1000 | 134 | 72 | 3 |
| all | 125 | - | 29 | - | 846 | 1000 | 909 | 2063 | 96 |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 24 | 166 | 9 |
| 00.21 - 00.50 | 20 | - | - | - | 980 | 1000 | 97 | 444 | 19 |
| 00.51 - 01.00 | 90 | - | - | - | 910 | 1000 | 131 | 427 | 19 |
| 01.01 - 02.00 | 231 | - | 81 | - | 688 | 1000 | 216 | 529 | 23 |
| 02.01 - 04.00 | 158 | - | 22 | - | 821 | 1000 | 214 | 410 | 18 |
| 04.01 - 10.00 | 133 | 164 | 278 | - | 424 | 1000 | 496 | 377 | 17 |
| 10.01 & above | 331 | - | 159 | - | 510 | 1000 | 602 | 201 | 8 |
| all | 204 | 46 | 144 | - | 607 | 1000 | 1781 | 2555 | 113 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 19 | 60 | 2 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 254 | 170 | 8 |
| 00.21 - 00.50 | 36 | - | - | - | 964 | 1000 | 153 | 541 | 28 |
| 00.51 - 01.00 | 146 | 32 | - | 0 | 822 | 1000 | 1206 | 2253 | 106 |
| 01.01 - 02.00 | 105 | 16 | 22 | - | 858 | 1000 | 4051 | 4668 | 217 |
| 02.01 - 04.00 | 75 | 13 | 12 | 8 | 892 | 1000 | 4801 | 3781 | 164 |
| 04.01 - 10.00 | 112 | 64 | 7 | - | 817 | 1000 | 6394 | 2699 | 118 |
| 10.01 & above | 55 | - | 32 | - | 913 | 1000 | 2855 | 437 | 19 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|----|----|----|---|-----|------|-------|-------|-----|
| all | 93 | 29 | 14 | 2 | 861 | 1000 | 19732 | 14609 | 662 |
|-----|----|----|----|---|-----|------|-------|-------|-----|

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Maharashtra | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 4 | 19 | 1 |
| 00.21 - 00.50 | 533 | - | - | - | 467 | 1000 | 8 | 56 | 3 |
| 00.51 - 01.00 | 281 | - | - | - | 719 | 1000 | 46 | 81 | 3 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 116 | 226 | 9 |
| 02.01 - 04.00 | 31 | - | 32 | - | 937 | 1000 | 234 | 336 | 15 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 204 | 151 | 7 |
| 10.01 & above | - | - | 298 | - | 702 | 1000 | 80 | 52 | 2 |
| all | 35 | - | 45 | - | 919 | 1000 | 693 | 921 | 40 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Manipur | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | 176 | - | - | 824 | 1000 | 75 | 115 | 46 |
| 00.01 - 00.20 | 211 | 186 | - | - | 602 | 1000 | 4 | 21 | 7 |
| 00.21 - 00.50 | 232 | 368 | 19 | - | 382 | 1000 | 97 | 321 | 116 |
| 00.51 - 01.00 | 210 | 208 | - | 7 | 575 | 1000 | 410 | 683 | 191 |
| 01.01 - 02.00 | 414 | 218 | 20 | - | 340 | 1000 | 304 | 289 | 100 |
| 02.01 - 04.00 | 683 | 230 | - | - | 87 | 1000 | 123 | 61 | 26 |
| 04.01 - 10.00 | 501 | - | - | - | 499 | 1000 | 24 | 10 | 6 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 320 | 221 | 8 | 3 | 446 | 1000 | 1035 | 1500 | 492 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | 754 | - | - | - | 246 | 1000 | 91 | 63 | 20 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 1 | 12 | 4 |
| 00.21 - 00.50 | 308 | 22 | 148 | - | 522 | 1000 | 32 | 112 | 45 |
| 00.51 - 01.00 | 85 | 100 | 33 | 1 | 781 | 1000 | 80 | 143 | 62 |
| 01.01 - 02.00 | 93 | 124 | - | - | 783 | 1000 | 55 | 53 | 36 |
| 02.01 - 04.00 | 130 | - | - | - | 870 | 1000 | 23 | 15 | 8 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 330 | 55 | 26 | 0 | 588 | 1000 | 283 | 398 | 175 |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 5 | 44 | 17 |
| 00.01 - 00.20 | 875 | - | - | - | 125 | 1000 | 0 | 8 | 2 |
| 00.21 - 00.50 | 769 | - | - | - | 231 | 1000 | 1 | 20 | 6 |
| 00.51 - 01.00 | 891 | - | - | - | 109 | 1000 | 1 | 13 | 6 |
| 01.01 - 02.00 | 122 | 89 | - | - | 789 | 1000 | 6 | 23 | 8 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 0 | 3 | 1 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 223 | 39 | - | - | 738 | 1000 | 13 | 111 | 40 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Manipur | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 5 | 74 | 28 |
| 00.01 - 00.20 | 490 | - | - | - | 510 | 1000 | 0 | 14 | 4 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 2 | 30 | 9 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 5 | 46 | 18 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 5 | 32 | 20 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 4 | 11 | 4 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 3 | - | - | - | 997 | 1000 | 21 | 207 | 83 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 5 | 41 | 16 |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | 463 | - | - | - | 537 | 1000 | 0 | 8 | 2 |
| 00.51 - 01.00 | 205 | - | - | - | 795 | 1000 | 1 | 5 | 2 |
| 01.01 - 02.00 | - | - | - | - | - | - | - | - | - |
| 02.01 - 04.00 | - | - | - | - | - | - | - | - | - |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 40 | - | - | - | 960 | 1000 | 6 | 55 | 20 |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 17 | 46 | 25 |
| 00.01 - 00.20 | 35 | - | - | - | 965 | 1000 | 1 | 59 | 17 |
| 00.21 - 00.50 | 418 | - | 9 | 126 | 446 | 1000 | 6 | 65 | 25 |
| 00.51 - 01.00 | 356 | 21 | - | 394 | 229 | 1000 | 9 | 181 | 54 |
| 01.01 - 02.00 | 282 | 44 | - | 231 | 444 | 1000 | 7 | 108 | 40 |
| 02.01 - 04.00 | 916 | - | - | - | 84 | 1000 | 3 | 37 | 16 |
| 04.01 - 10.00 | 967 | - | - | - | 33 | 1000 | 2 | 6 | 4 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 277 | 11 | 1 | 132 | 578 | 1000 | 45 | 502 | 181 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Manipur | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 20 | 147 | 61 |
| 00.01 - 00.20 | 12 | - | - | - | 988 | 1000 | 6 | 153 | 45 |
| 00.21 - 00.50 | 24 | 32 | 20 | 26 | 897 | 1000 | 15 | 256 | 85 |
| 00.51 - 01.00 | 6 | 45 | - | 22 | 926 | 1000 | 36 | 437 | 129 |
| 01.01 - 02.00 | 445 | 62 | - | 20 | 439 | 1000 | 24 | 197 | 80 |
| 02.01 - 04.00 | 270 | 11 | - | 256 | 463 | 1000 | 9 | 71 | 29 |
| 04.01 - 10.00 | 954 | - | - | - | 46 | 1000 | 2 | 6 | 4 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 139 | 33 | 3 | 35 | 783 | 1000 | 113 | 1267 | 433 |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 7 | 10 |
| 00.01 - 00.20 | 90 | - | 76 | - | 834 | 1000 | 1 | 42 | 14 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 1 | 19 | 8 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 1 | 36 | 16 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 1 | 43 | 17 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 0 | 13 | 8 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 15 | - | 12 | - | 973 | 1000 | 5 | 161 | 73 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 3 | 9 | 4 |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | 981 | - | - | - | 19 | 1000 | 1 | 7 | 2 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 1 | 3 | 2 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 0 | 3 | 11 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 0 | 0 | 1 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|---|---|---|-----|------|---|----|----|
| all | 217 | - | - | - | 783 | 1000 | 5 | 24 | 20 |
|-----|-----|---|---|---|-----|------|---|----|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Manipur | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 2 | 18 | 12 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 2 | 49 | 13 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 4 | 59 | 11 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 14 | 153 | 38 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 2 | 30 | 10 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 2 | 7 | 4 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 0 | 2 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 26 | 318 | 90 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Meghalaya | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 9 | 3 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 34 | 132 | 42 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 92 | 431 | 114 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 255 | 536 | 147 |
| 01.01 - 02.00 | - | 12 | - | - | 988 | 1000 | 310 | 457 | 145 |
| 02.01 - 04.00 | 5 | 22 | 4 | - | 968 | 1000 | 382 | 312 | 97 |
| 04.01 - 10.00 | - | 56 | - | - | 944 | 1000 | 240 | 77 | 24 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 2 | 19 | 1 | - | 978 | 1000 | 1313 | 1953 | 572 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 11 | 42 | 11 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 50 | 111 | 30 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 14 | 33 | 13 |
| 02.01 - 04.00 | 150 | - | 174 | - | 676 | 1000 | 14 | 29 | 9 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 5 | 5 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 22 | - | 25 | - | 953 | 1000 | 94 | 221 | 65 |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 6 | 45 | 13 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 20 | 153 | 30 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 26 | 110 | 33 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 48 | 133 | 46 |
| 02.01 - 04.00 | - | - | - | 39 | 961 | 1000 | 51 | 71 | 21 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 18 | 30 | 11 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | 12 | 988 | 1000 | 169 | 542 | 154 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Meghalaya | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 6 | 3 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 1 | 22 | 8 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 3 | 29 | 10 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 3 | 21 | 4 |
| 02.01 - 04.00 | - | - | - | - | - | - | - | - | - |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 6 | 78 | 25 |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 4 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 24 | 149 | 35 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 48 | 272 | 36 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 63 | 229 | 50 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 56 | 142 | 48 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 26 | 42 | 14 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 5 | 6 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 222 | 845 | 186 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 6 | 2 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 30 | 245 | 78 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 110 | 573 | 161 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 192 | 613 | 186 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 217 | 476 | 155 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 273 | 360 | 117 |
| 04.01 - 10.00 | - | 70 | - | - | 930 | 1000 | 75 | 82 | 26 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|---|---|---|---|-----|------|-----|------|-----|
| all | - | 6 | - | - | 994 | 1000 | 898 | 2355 | 725 |
|-----|---|---|---|---|-----|------|-----|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Meghalaya | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 5 | 56 | 17 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 5 | 76 | 31 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 25 | 160 | 52 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 65 | 195 | 61 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 107 | 112 | 39 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 28 | 28 | 8 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 234 | 626 | 208 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 3 | 40 | 11 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 2 | 17 | 4 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 7 | 45 | 9 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 32 | 67 | 20 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 51 | 55 | 15 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 6 | 6 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 102 | 232 | 61 |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 1 | 9 | 5 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 12 | 72 | 29 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 34 | 157 | 54 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 29 | 113 | 41 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 32 | 88 | 34 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 14 | 24 | 8 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|---|---|---|---|------|------|-----|-----|-----|
| all | - | - | - | - | 1000 | 1000 | 123 | 462 | 171 |
|-----|---|---|---|---|------|------|-----|-----|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Mizoram | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | 4 | 996 | 1000 | 26 | 64 | 45 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 115 | 196 | 160 |
| 00.21 - 00.50 | - | - | - | 3 | 997 | 1000 | 17 | 28 | 30 |
| 00.51 - 01.00 | - | - | - | 41 | 959 | 1000 | 14 | 34 | 26 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 29 | 40 | 33 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 12 | 12 | 14 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 6 | 3 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | 3 | 997 | 1000 | 219 | 377 | 311 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 2 | 8 | 5 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 23 | 37 | 26 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 0 | 1 | 3 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 2 | 6 | 11 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 1 | 1 | 3 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 0 | 0 | 1 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 29 | 55 | 49 |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 6 | 41 | 34 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 1 | 9 | 11 |
| 00.51 - 01.00 | - | - | - | 181 | 819 | 1000 | 1 | 15 | 20 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 1 | 6 | 7 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 0 | 3 | 2 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|---|---|---|----|-----|------|---|----|----|
| all | - | - | - | 19 | 981 | 1000 | 8 | 74 | 74 |
|-----|---|---|---|----|-----|------|---|----|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Mizoram | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 3 | 32 | 23 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 8 | 75 | 58 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 1 | 10 | 9 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 2 | 16 | 18 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 1 | 11 | 9 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 2 | 3 | 2 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 16 | 147 | 119 |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 25 | 70 | 47 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 56 | 138 | 96 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 5 | 18 | 12 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 16 | 35 | 26 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 20 | 31 | 24 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 3 | 5 | 4 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 125 | 296 | 209 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 7 | 51 | 35 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 28 | 196 | 144 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 3 | 18 | 21 |
| 00.51 - 01.00 | - | - | - | 28 | 972 | 1000 | 5 | 24 | 26 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 3 | 15 | 13 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 0 | 1 | 1 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|---|---|---|---|-----|------|----|-----|-----|
| all | - | - | - | 3 | 997 | 1000 | 46 | 305 | 240 |
|-----|---|---|---|---|-----|------|----|-----|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Mizoram | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 1 | 6 | 5 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 2 | 8 | 11 |
| 00.51 - 01.00 | - | - | - | 105 | 895 | 1000 | 1 | 7 | 9 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 5 | 11 | 9 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 3 | 3 | 3 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | 12 | 988 | 1000 | 12 | 37 | 37 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 3 | 16 | 9 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 3 | 15 | 11 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 2 | 16 | 18 |
| 00.51 - 01.00 | - | - | - | 34 | 966 | 1000 | 4 | 20 | 20 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 11 | 31 | 27 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 4 | 9 | 7 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 1 | 3 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | 5 | 995 | 1000 | 28 | 110 | 95 |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 7 | 45 | 31 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 9 | 96 | 70 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 0 | 2 | 1 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 2 | 7 | 5 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 0 | 3 | 2 |
| 02.01 - 04.00 | - | - | - | - | - | - | - | - | - |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|---|---|---|---|------|------|----|-----|-----|
| all | - | - | - | - | 1000 | 1000 | 18 | 153 | 109 |
|-----|---|---|---|---|------|------|----|-----|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Nagaland | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 12 | 10 | 9 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 1 | 5 | 5 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 4 | 19 | 22 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 24 | 50 | 50 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 128 | 139 | 142 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 348 | 239 | 272 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 419 | 116 | 129 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 42 | 7 | 8 |
| all | - | - | - | - | 1000 | 1000 | 978 | 585 | 637 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 8 | 6 | 4 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 2 | 2 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 1 | 6 | 8 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 9 | 27 | 26 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 72 | 104 | 88 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 228 | 203 | 210 |
| 04.01 - 10.00 | - | - | 89 | - | 911 | 1000 | 45 | 23 | 26 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | 11 | - | 989 | 1000 | 363 | 371 | 364 |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 3 | 15 | 12 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 1 | 17 | 11 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 1 | 14 | 16 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 7 | 45 | 41 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 28 | 143 | 132 |
| 02.01 - 04.00 | - | 33 | - | - | 967 | 1000 | 82 | 273 | 290 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 33 | 47 | 55 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 5 | 3 | 3 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|---|----|---|---|-----|------|-----|-----|-----|
| all | - | 17 | - | - | 983 | 1000 | 160 | 557 | 560 |
|-----|---|----|---|---|-----|------|-----|-----|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Nagaland | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 2 | 2 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 0 | 1 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 0 | 3 | 3 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 1 | 12 | 12 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 4 | 31 | 33 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 11 | 64 | 65 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 28 | 33 | 35 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 1 | 1 | 1 |
| all | - | - | - | - | 1000 | 1000 | 46 | 147 | 152 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 7 | 3 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 3 | 1 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 0 | 3 | 2 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 1 | 8 | 4 |
| 01.01 - 02.00 | 220 | - | - | - | 780 | 1000 | 6 | 13 | 7 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 3 | 10 | 5 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 113 | - | - | - | 887 | 1000 | 12 | 44 | 22 |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 2 | 3 |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 0 | 4 | 5 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 2 | 7 | 6 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 11 | 53 | 51 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 25 | 110 | 120 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 94 | 89 | 93 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 9 | 5 | 6 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|---|---|---|---|------|------|-----|-----|-----|
| all | - | - | - | - | 1000 | 1000 | 141 | 272 | 284 |
|-----|---|---|---|---|------|------|-----|-----|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Nagaland | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 14 | 11 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 1 | 24 | 20 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 3 | 35 | 43 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 12 | 72 | 67 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 38 | 170 | 161 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 87 | 297 | 327 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 101 | 121 | 131 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 11 | 7 | 8 |
| all | - | - | - | - | 1000 | 1000 | 254 | 739 | 768 |
| fodder | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 2 | 2 |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 0 | 0 | 1 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 0 | 2 | 2 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 0 | 6 | 5 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 6 | 32 | 26 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 1 | 9 | 5 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 8 | 51 | 41 |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 0 | 1 |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 0 | 0 | 1 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 0 | 1 | 2 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 0 | 11 | 11 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 1 | 14 | 22 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|---|---|---|---|------|------|---|----|----|
| all | - | - | - | - | 1000 | 1000 | 2 | 27 | 37 |
|-----|---|---|---|---|------|------|---|----|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Nagaland | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|-------------|--------------------------|---|------------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 1 | 1 |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 0 | 4 | 4 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 1 | 6 | 5 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 4 | 14 | 8 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 7 | 10 | 7 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 83 | 62 | 60 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 5 | 4 | 5 |
| all | - | - | - | - | 1000 | 1000 | 101 | 101 | 90 |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 1 | 3 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 0 | 1 |
| 00.21 - 00.50 | - | - | - | - | - | - | - | - | - |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 2 | 7 | 9 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 9 | 18 | 22 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 14 | 25 | 34 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 73 | 68 | 69 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 10 | 6 | 7 |
| all | - | - | - | - | 1000 | 1000 | 107 | 125 | 145 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Orissa | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | 48 | - | - | 952 | 1000 | 48 | 160 | 17 |
| 00.01 - 00.20 | 11 | 72 | - | 3 | 914 | 1000 | 932 | 5300 | 291 |
| 00.21 - 00.50 | 12 | 53 | 3 | 8 | 924 | 1000 | 4043 | 11460 | 620 |
| 00.51 - 01.00 | 14 | 58 | 5 | 7 | 914 | 1000 | 7229 | 10623 | 543 |
| 01.01 - 02.00 | 26 | 83 | 6 | 14 | 871 | 1000 | 8254 | 7170 | 371 |
| 02.01 - 04.00 | 18 | 82 | - | 42 | 858 | 1000 | 6315 | 2864 | 143 |
| 04.01 - 10.00 | 32 | 108 | - | 56 | 804 | 1000 | 2854 | 609 | 32 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 1104 | 122 | 3 |
| all | 19 | 72 | 3 | 20 | 885 | 1000 | 30778 | 38308 | 2020 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | 842 | - | - | - | 158 | 1000 | 1 | 34 | 2 |
| 00.01 - 00.20 | 351 | 170 | - | - | 479 | 1000 | 50 | 316 | 19 |
| 00.21 - 00.50 | 200 | 66 | 19 | - | 715 | 1000 | 187 | 695 | 41 |
| 00.51 - 01.00 | 87 | 132 | 39 | - | 743 | 1000 | 272 | 688 | 38 |
| 01.01 - 02.00 | 265 | 52 | 97 | - | 586 | 1000 | 345 | 620 | 35 |
| 02.01 - 04.00 | 299 | 239 | - | 90 | 372 | 1000 | 272 | 269 | 16 |
| 04.01 - 10.00 | - | 461 | - | 539 | - | 1000 | 162 | 73 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 195 | 166 | 37 | 87 | 514 | 1000 | 1290 | 2695 | 154 |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 3 | 52 | 7 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 36 | 314 | 17 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 151 | 1045 | 55 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 260 | 1243 | 67 |
| 01.01 - 02.00 | - | 11 | - | - | 989 | 1000 | 460 | 1301 | 67 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 165 | 357 | 19 |
| 04.01 - 10.00 | - | - | - | 565 | 435 | 1000 | 103 | 81 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|---|---|---|----|-----|------|------|------|-----|
| all | - | 4 | - | 49 | 946 | 1000 | 1177 | 4394 | 235 |
|-----|---|---|---|----|-----|------|------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Orissa | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 3 | 34 | 6 |
| 00.01 - 00.20 | 76 | 92 | - | - | 832 | 1000 | 31 | 410 | 27 |
| 00.21 - 00.50 | - | 64 | - | - | 936 | 1000 | 368 | 1640 | 85 |
| 00.51 - 01.00 | 11 | 35 | 4 | 9 | 941 | 1000 | 694 | 2255 | 118 |
| 01.01 - 02.00 | 38 | 14 | - | 34 | 913 | 1000 | 855 | 2109 | 114 |
| 02.01 - 04.00 | - | 10 | - | 99 | 891 | 1000 | 862 | 922 | 50 |
| 04.01 - 10.00 | 157 | - | - | 139 | 704 | 1000 | 418 | 206 | 10 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 135 | 43 | 2 |
| all | 32 | 21 | 1 | 53 | 893 | 1000 | 3367 | 7619 | 412 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 7 | 18 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 24 | 331 | 21 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 42 | 537 | 29 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 112 | 697 | 35 |
| 01.01 - 02.00 | - | 43 | - | - | 957 | 1000 | 183 | 830 | 46 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 33 | 125 | 7 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 38 | 56 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | 18 | - | - | 982 | 1000 | 439 | 2593 | 142 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 2 | 102 | 10 |
| 00.01 - 00.20 | 9 | 98 | - | - | 893 | 1000 | 42 | 883 | 49 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 115 | 1302 | 68 |
| 00.51 - 01.00 | 26 | 64 | 10 | 36 | 864 | 1000 | 164 | 1587 | 76 |
| 01.01 - 02.00 | - | 97 | - | 36 | 867 | 1000 | 219 | 1590 | 78 |
| 02.01 - 04.00 | - | - | - | 52 | 948 | 1000 | 79 | 415 | 23 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 8 | 125 | 6 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 18 | 18 | 1 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|---|----|---|----|-----|------|-----|------|-----|
| all | 7 | 56 | 2 | 28 | 907 | 1000 | 647 | 6021 | 311 |
|-----|---|----|---|----|-----|------|-----|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Orissa | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | 18 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 3 | 153 | 10 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 7 | 62 | 3 |
| 00.51 - 01.00 | - | - | 426 | - | 574 | 1000 | 13 | 63 | 3 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 44 | 88 | 7 |
| 02.01 - 04.00 | - | - | - | - | - | - | - | - | - |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | 81 | - | 919 | 1000 | 66 | 384 | 24 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 5 | 47 | 2 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 4 | 47 | 2 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 74 | 203 | 10 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 58 | 121 | 6 |
| 02.01 - 04.00 | - | - | - | 559 | 441 | 1000 | 27 | 65 | 3 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 149 | 25 | 1 |
| all | - | - | - | 47 | 953 | 1000 | 317 | 509 | 24 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Punjab | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | 1000 | - | - | - | - | 1000 | 47 | 16 | 2 |
| 00.01 - 00.20 | 448 | 546 | - | - | 6 | 1000 | 47 | 81 | 9 |
| 00.21 - 00.50 | 780 | 70 | 65 | - | 85 | 1000 | 192 | 661 | 55 |
| 00.51 - 01.00 | 633 | 78 | 215 | 30 | 44 | 1000 | 767 | 958 | 79 |
| 01.01 - 02.00 | 609 | 72 | 275 | - | 44 | 1000 | 2404 | 2021 | 175 |
| 02.01 - 04.00 | 313 | 59 | 577 | 30 | 21 | 1000 | 3751 | 1661 | 143 |
| 04.01 - 10.00 | 187 | 10 | 770 | 5 | 28 | 1000 | 4624 | 1000 | 85 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 2263 | 261 | 23 |
| all | 299 | 38 | 626 | 11 | 26 | 1000 | 14095 | 6660 | 571 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 1000 | - | - | - | - | 1000 | 4 | 25 | 2 |
| 00.21 - 00.50 | 1000 | - | - | - | - | 1000 | 2 | 9 | 1 |
| 00.51 - 01.00 | 1000 | - | - | - | - | 1000 | 19 | 21 | 2 |
| 01.01 - 02.00 | 443 | - | 557 | - | - | 1000 | 115 | 106 | 9 |
| 02.01 - 04.00 | 572 | - | 306 | - | 122 | 1000 | 92 | 44 | 4 |
| 04.01 - 10.00 | 245 | - | 647 | - | 108 | 1000 | 208 | 84 | 7 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 130 | 25 | 2 |
| all | 315 | - | 626 | - | 59 | 1000 | 571 | 314 | 27 |
| wheat | | | | | | | | | |
| nil (< 0.01) | 457 | - | 543 | - | - | 1000 | 101 | 29 | 2 |
| 00.01 - 00.20 | 478 | 287 | - | - | 235 | 1000 | 90 | 223 | 22 |
| 00.21 - 00.50 | 724 | 95 | 60 | - | 121 | 1000 | 268 | 938 | 81 |
| 00.51 - 01.00 | 542 | 158 | 236 | 20 | 44 | 1000 | 1173 | 1395 | 116 |
| 01.01 - 02.00 | 575 | 76 | 290 | - | 59 | 1000 | 3422 | 2713 | 236 |
| 02.01 - 04.00 | 312 | 58 | 567 | 30 | 32 | 1000 | 5135 | 2157 | 185 |
| 04.01 - 10.00 | 181 | 13 | 780 | - | 26 | 1000 | 7171 | 1495 | 127 |
| 10.01 & above | 31 | - | 969 | - | - | 1000 | 4343 | 377 | 33 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|-----|---|----|------|-------|------|-----|
| all | 273 | 41 | 648 | 8 | 30 | 1000 | 21703 | 9328 | 802 |
|-----|-----|----|-----|---|----|------|-------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Punjab | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 139 | - | - | - | 861 | 1000 | 17 | 88 | 9 |
| 00.21 - 00.50 | 745 | - | - | - | 255 | 1000 | 43 | 189 | 17 |
| 00.51 - 01.00 | 180 | 475 | 248 | - | 96 | 1000 | 153 | 103 | 9 |
| 01.01 - 02.00 | 370 | - | 121 | - | 509 | 1000 | 119 | 209 | 18 |
| 02.01 - 04.00 | 235 | 115 | 259 | - | 390 | 1000 | 165 | 168 | 17 |
| 04.01 - 10.00 | 263 | - | 298 | 53 | 386 | 1000 | 213 | 136 | 16 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 20 | 26 | 2 |
| all | 275 | 126 | 244 | 15 | 339 | 1000 | 730 | 917 | 88 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | 590 | - | 410 | - | - | 1000 | 9 | 28 | 3 |
| 00.51 - 01.00 | - | - | 1000 | - | - | 1000 | 15 | 36 | 3 |
| 01.01 - 02.00 | 367 | - | 633 | - | - | 1000 | 39 | 96 | 7 |
| 02.01 - 04.00 | 403 | 429 | 168 | - | - | 1000 | 75 | 128 | 13 |
| 04.01 - 10.00 | 140 | - | 860 | - | - | 1000 | 58 | 88 | 10 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 2 | 10 | 1 |
| all | 292 | 163 | 545 | - | - | 1000 | 199 | 386 | 37 |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | - | - | - | - | - |
| 00.51 - 01.00 | 216 | 784 | - | - | - | 1000 | 6 | 24 | 2 |
| 01.01 - 02.00 | 575 | - | 425 | - | - | 1000 | 60 | 117 | 10 |
| 02.01 - 04.00 | - | - | 1000 | - | - | 1000 | 44 | 93 | 9 |
| 04.01 - 10.00 | - | - | 1000 | - | - | 1000 | 66 | 103 | 10 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 13 | 21 | 2 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|-----|---|---|------|-----|-----|----|
| all | 188 | 24 | 788 | - | - | 1000 | 189 | 358 | 33 |
|-----|-----|----|-----|---|---|------|-----|-----|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Punjab | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | 258 | - | 153 | - | 589 | 1000 | 12 | 44 | 3 |
| 00.51 - 01.00 | 481 | - | 519 | - | - | 1000 | 9 | 22 | 2 |
| 01.01 - 02.00 | 448 | 262 | 278 | - | 13 | 1000 | 66 | 66 | 6 |
| 02.01 - 04.00 | 17 | - | 983 | - | - | 1000 | 28 | 62 | 6 |
| 04.01 - 10.00 | 249 | - | 751 | - | - | 1000 | 139 | 83 | 8 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 70 | 12 | 1 |
| all | 222 | 53 | 700 | - | 24 | 1000 | 324 | 288 | 26 |
| fodder | | | | | | | | | |
| nil (< 0.01) | 609 | - | 391 | - | - | 1000 | 40 | 50 | 5 |
| 00.01 - 00.20 | 583 | 167 | 31 | - | 218 | 1000 | 59 | 350 | 35 |
| 00.21 - 00.50 | 816 | 49 | 19 | - | 116 | 1000 | 226 | 913 | 81 |
| 00.51 - 01.00 | 655 | 99 | 163 | 10 | 74 | 1000 | 516 | 1355 | 113 |
| 01.01 - 02.00 | 619 | 63 | 229 | 6 | 82 | 1000 | 1116 | 2797 | 245 |
| 02.01 - 04.00 | 311 | 56 | 559 | 25 | 49 | 1000 | 1199 | 2160 | 186 |
| 04.01 - 10.00 | 187 | 29 | 758 | 3 | 22 | 1000 | 1324 | 1562 | 130 |
| 10.01 & above | 55 | - | 945 | - | - | 1000 | 435 | 365 | 32 |
| all | 390 | 50 | 498 | 9 | 52 | 1000 | 4913 | 9551 | 827 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | 10 | - | 990 | - | - | 1000 | 70 | 15 | 2 |
| 00.01 - 00.20 | 1000 | - | - | - | - | 1000 | 15 | 20 | 2 |
| 00.21 - 00.50 | 597 | 403 | - | - | - | 1000 | 30 | 88 | 9 |
| 00.51 - 01.00 | 403 | 328 | 236 | - | 32 | 1000 | 193 | 244 | 19 |
| 01.01 - 02.00 | 558 | 98 | 321 | - | 23 | 1000 | 735 | 608 | 49 |
| 02.01 - 04.00 | 315 | 146 | 502 | 38 | - | 1000 | 1168 | 675 | 54 |
| 04.01 - 10.00 | 187 | 6 | 807 | - | - | 1000 | 2455 | 532 | 42 |
| 10.01 & above | 70 | - | 930 | - | - | 1000 | 1907 | 174 | 15 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|-----|---|---|------|------|------|-----|
| all | 225 | 51 | 714 | 7 | 4 | 1000 | 6573 | 2356 | 192 |
|-----|-----|----|-----|---|---|------|------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Rajasthan | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 2 | 24 | 2 |
| 00.21 - 00.50 | 104 | - | - | - | 896 | 1000 | 123 | 783 | 40 |
| 00.51 - 01.00 | 101 | - | - | - | 899 | 1000 | 271 | 921 | 42 |
| 01.01 - 02.00 | 390 | 160 | - | - | 450 | 1000 | 321 | 347 | 15 |
| 02.01 - 04.00 | 741 | 116 | 34 | - | 109 | 1000 | 298 | 206 | 9 |
| 04.01 - 10.00 | - | 405 | 457 | - | 139 | 1000 | 244 | 105 | 4 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 306 | 147 | 96 | - | 450 | 1000 | 1259 | 2385 | 112 |
| wheat | | | | | | | | | |
| nil (< 0.01) | 955 | 45 | - | - | - | 1000 | 177 | 242 | 15 |
| 00.01 - 00.20 | 598 | 231 | 56 | - | 115 | 1000 | 370 | 951 | 54 |
| 00.21 - 00.50 | 661 | 34 | 16 | 3 | 285 | 1000 | 1897 | 5141 | 269 |
| 00.51 - 01.00 | 590 | 65 | 27 | - | 318 | 1000 | 2471 | 5522 | 285 |
| 01.01 - 02.00 | 677 | 83 | 69 | 9 | 162 | 1000 | 5265 | 7241 | 388 |
| 02.01 - 04.00 | 730 | 96 | 84 | - | 90 | 1000 | 8000 | 6400 | 356 |
| 04.01 - 10.00 | 567 | 83 | 287 | 26 | 36 | 1000 | 10215 | 3943 | 222 |
| 10.01 & above | 252 | 47 | 701 | - | - | 1000 | 4558 | 777 | 49 |
| all | 590 | 78 | 221 | 10 | 101 | 1000 | 32952 | 30217 | 1638 |
| other cereals | | | | | | | | | |
| nil (< 0.01) | 973 | 13 | - | - | 13 | 1000 | 292 | 259 | 16 |
| 00.01 - 00.20 | 445 | 7 | 9 | - | 539 | 1000 | 255 | 1546 | 83 |
| 00.21 - 00.50 | 616 | 43 | 32 | 3 | 306 | 1000 | 2266 | 6149 | 329 |
| 00.51 - 01.00 | 541 | 69 | 49 | 6 | 335 | 1000 | 3381 | 6402 | 339 |
| 01.01 - 02.00 | 676 | 58 | 61 | 4 | 201 | 1000 | 7814 | 8561 | 463 |
| 02.01 - 04.00 | 711 | 73 | 89 | 11 | 116 | 1000 | 12304 | 7581 | 424 |
| 04.01 - 10.00 | 669 | 67 | 159 | 35 | 69 | 1000 | 18102 | 5826 | 337 |
| 10.01 & above | 574 | 32 | 319 | 28 | 47 | 1000 | 10406 | 1571 | 97 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|----|-----|----|-----|------|-------|-------|------|
| all | 652 | 59 | 146 | 20 | 122 | 1000 | 54819 | 37895 | 2088 |
|-----|-----|----|-----|----|-----|------|-------|-------|------|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Rajasthan | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| pulses | | | | | | | | | |
| nil (< 0.01) | 504 | 496 | - | - | - | 1000 | 190 | 80 | 5 |
| 00.01 - 00.20 | 552 | - | 324 | - | 124 | 1000 | 146 | 332 | 19 |
| 00.21 - 00.50 | 235 | 90 | 33 | 13 | 629 | 1000 | 269 | 1664 | 92 |
| 00.51 - 01.00 | 467 | 56 | 39 | 4 | 434 | 1000 | 715 | 2051 | 109 |
| 01.01 - 02.00 | 607 | 80 | 42 | 30 | 241 | 1000 | 1690 | 2799 | 155 |
| 02.01 - 04.00 | 657 | 77 | 101 | 12 | 154 | 1000 | 3862 | 3475 | 197 |
| 04.01 - 10.00 | 583 | 135 | 125 | 55 | 103 | 1000 | 7422 | 3266 | 188 |
| 10.01 & above | 588 | 130 | 243 | 31 | 8 | 1000 | 5375 | 1185 | 72 |
| all | 591 | 116 | 141 | 34 | 117 | 1000 | 19670 | 14853 | 837 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | 949 | 51 | - | - | - | 1000 | 232 | 224 | 14 |
| 00.01 - 00.20 | 590 | 390 | - | - | 20 | 1000 | 273 | 333 | 16 |
| 00.21 - 00.50 | 861 | 34 | 23 | - | 82 | 1000 | 345 | 1351 | 72 |
| 00.51 - 01.00 | 684 | 73 | 49 | 7 | 187 | 1000 | 1053 | 2762 | 146 |
| 01.01 - 02.00 | 649 | 101 | 79 | 8 | 163 | 1000 | 2981 | 4252 | 222 |
| 02.01 - 04.00 | 730 | 40 | 158 | - | 72 | 1000 | 4709 | 4010 | 229 |
| 04.01 - 10.00 | 557 | 53 | 304 | 28 | 58 | 1000 | 6076 | 2957 | 173 |
| 10.01 & above | 373 | 63 | 548 | - | 16 | 1000 | 3442 | 792 | 51 |
| all | 599 | 65 | 250 | 11 | 76 | 1000 | 19110 | 16681 | 923 |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 422 | - | - | - | 578 | 1000 | 30 | 173 | 8 |
| 00.21 - 00.50 | 183 | 49 | - | 23 | 745 | 1000 | 236 | 917 | 47 |
| 00.51 - 01.00 | 350 | 28 | - | - | 622 | 1000 | 709 | 1514 | 73 |
| 01.01 - 02.00 | 733 | 14 | 18 | - | 235 | 1000 | 1691 | 1894 | 96 |
| 02.01 - 04.00 | 832 | 69 | 28 | - | 71 | 1000 | 2881 | 1680 | 89 |
| 04.01 - 10.00 | 925 | 28 | 47 | - | - | 1000 | 4978 | 1737 | 98 |
| 10.01 & above | 743 | - | 152 | - | 105 | 1000 | 3129 | 446 | 25 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|----|---|-----|------|-------|------|-----|
| all | 796 | 29 | 60 | 0 | 115 | 1000 | 13654 | 8360 | 436 |
|-----|-----|----|----|---|-----|------|-------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Rajasthan | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 6 | 41 | 2 |
| 00.51 - 01.00 | 800 | 51 | - | - | 148 | 1000 | 33 | 156 | 8 |
| 01.01 - 02.00 | 858 | 37 | - | - | 105 | 1000 | 90 | 243 | 13 |
| 02.01 - 04.00 | 925 | 43 | - | - | 32 | 1000 | 249 | 315 | 16 |
| 04.01 - 10.00 | 413 | - | 579 | - | 8 | 1000 | 204 | 116 | 6 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 718 | 27 | 203 | - | 51 | 1000 | 582 | 873 | 45 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 188 | - | - | - | 812 | 1000 | 5 | 41 | 2 |
| 00.21 - 00.50 | 409 | 53 | - | 13 | 524 | 1000 | 27 | 175 | 12 |
| 00.51 - 01.00 | 452 | - | - | - | 548 | 1000 | 76 | 218 | 12 |
| 01.01 - 02.00 | 922 | - | 54 | - | 24 | 1000 | 68 | 207 | 12 |
| 02.01 - 04.00 | 401 | - | 342 | - | 257 | 1000 | 42 | 115 | 8 |
| 04.01 - 10.00 | 482 | - | 395 | - | 123 | 1000 | 165 | 172 | 11 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 20 | 10 | 1 |
| all | 509 | 4 | 207 | 1 | 280 | 1000 | 403 | 938 | 58 |
| fodder | | | | | | | | | |
| nil (< 0.01) | 1000 | - | - | - | - | 1000 | 24 | 46 | 3 |
| 00.01 - 00.20 | 502 | 471 | 28 | - | - | 1000 | 50 | 131 | 6 |
| 00.21 - 00.50 | 705 | 97 | 9 | - | 189 | 1000 | 112 | 562 | 30 |
| 00.51 - 01.00 | 663 | 163 | - | - | 174 | 1000 | 323 | 1155 | 65 |
| 01.01 - 02.00 | 567 | 125 | 87 | - | 220 | 1000 | 783 | 2079 | 118 |
| 02.01 - 04.00 | 645 | 69 | 110 | 1 | 174 | 1000 | 999 | 1857 | 106 |
| 04.01 - 10.00 | 499 | 85 | 334 | 11 | 72 | 1000 | 2155 | 1961 | 115 |
| 10.01 & above | 709 | 30 | 261 | - | - | 1000 | 1224 | 536 | 35 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|----|-----|---|-----|------|------|------|-----|
| all | 595 | 84 | 215 | 4 | 102 | 1000 | 5670 | 8326 | 478 |
|-----|-----|----|-----|---|-----|------|------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Rajasthan | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | 1000 | - | - | - | - | 1000 | 23 | 31 | 2 |
| 00.01 - 00.20 | 669 | 253 | 79 | - | - | 1000 | 265 | 139 | 6 |
| 00.21 - 00.50 | 630 | - | - | - | 370 | 1000 | 58 | 234 | 14 |
| 00.51 - 01.00 | 604 | 104 | 20 | 29 | 242 | 1000 | 236 | 526 | 27 |
| 01.01 - 02.00 | 643 | 95 | 101 | - | 161 | 1000 | 985 | 1401 | 72 |
| 02.01 - 04.00 | 828 | 52 | 47 | - | 73 | 1000 | 2436 | 1837 | 105 |
| 04.01 - 10.00 | 591 | 63 | 311 | 10 | 26 | 1000 | 4880 | 1849 | 107 |
| 10.01 & above | 460 | 19 | 444 | 71 | 6 | 1000 | 3382 | 536 | 35 |
| all | 609 | 55 | 266 | 24 | 46 | 1000 | 12265 | 6552 | 368 |
| others | | | | | | | | | |
| nil (< 0.01) | 745 | 84 | - | - | 171 | 1000 | 47 | 64 | 4 |
| 00.01 - 00.20 | 86 | - | 716 | - | 198 | 1000 | 66 | 124 | 6 |
| 00.21 - 00.50 | 501 | 164 | - | - | 334 | 1000 | 115 | 429 | 21 |
| 00.51 - 01.00 | 668 | 121 | 28 | - | 184 | 1000 | 192 | 609 | 32 |
| 01.01 - 02.00 | 717 | 32 | 117 | 24 | 109 | 1000 | 434 | 768 | 43 |
| 02.01 - 04.00 | 699 | 90 | 130 | - | 80 | 1000 | 859 | 754 | 43 |
| 04.01 - 10.00 | 733 | 3 | 220 | 19 | 24 | 1000 | 2353 | 1107 | 61 |
| 10.01 & above | 876 | - | 68 | - | 55 | 1000 | 572 | 211 | 12 |
| all | 726 | 31 | 167 | 12 | 64 | 1000 | 4638 | 4067 | 222 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Sikkim | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 5 | 10 | 13 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 3 | 13 | 14 |
| 00.21 - 00.50 | - | 51 | - | - | 949 | 1000 | 8 | 45 | 52 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 14 | 46 | 52 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 18 | 37 | 42 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 13 | 15 | 18 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 1 | 2 | 2 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 2 | 1 | 1 |
| all | - | 6 | - | - | 994 | 1000 | 63 | 168 | 194 |
| wheat | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 2 | 2 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 4 | 4 |
| 00.21 - 00.50 | - | 77 | - | - | 923 | 1000 | 2 | 14 | 15 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 2 | 10 | 11 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 2 | 8 | 9 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 1 | 4 | 5 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 0 | 1 | 1 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | 19 | - | - | 981 | 1000 | 8 | 42 | 47 |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 15 | 56 | 62 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 11 | 85 | 98 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 35 | 169 | 205 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 41 | 119 | 131 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 46 | 77 | 85 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 30 | 30 | 34 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 8 | 3 | 4 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 2 | 1 | 1 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|---|---|---|---|------|------|-----|-----|-----|
| all | - | - | - | - | 1000 | 1000 | 189 | 540 | 620 |
|-----|---|---|---|---|------|------|-----|-----|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Sikkim | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 1 | 7 | 9 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 1 | 2 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 1 | 14 | 18 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 3 | 20 | 22 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 3 | 19 | 20 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 1 | 3 | 3 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 10 | 65 | 74 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 5 | 53 | 67 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 5 | 87 | 102 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 12 | 160 | 193 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 11 | 115 | 126 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 20 | 78 | 83 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 11 | 31 | 34 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 2 | 3 | 4 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 0 | 1 | 1 |
| all | - | - | - | - | 1000 | 1000 | 66 | 528 | 610 |
| fodder | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 4 | 6 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 4 | 5 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 2 | 23 | 29 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 3 | 29 | 32 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 3 | 23 | 25 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 3 | 10 | 10 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 0 | 1 | 1 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|---|---|---|---|------|------|----|----|-----|
| all | - | - | - | - | 1000 | 1000 | 11 | 93 | 108 |
|-----|---|---|---|---|------|------|----|----|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Sikkim | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 4 | 5 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 5 | 7 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 0 | 4 | 5 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 1 | 6 | 7 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 1 | 6 | 7 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 2 | 3 | 3 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 5 | 30 | 34 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 4 | 26 | 29 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 2 | 18 | 21 |
| 00.21 - 00.50 | - | 29 | - | - | 971 | 1000 | 9 | 75 | 84 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 15 | 73 | 77 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 19 | 54 | 59 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 27 | 30 | 31 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 2 | 3 | 4 |
| 10.01 & above | - | - | - | - | 1000 | 1000 | 1 | 1 | 1 |
| all | - | 3 | - | - | 997 | 1000 | 78 | 280 | 306 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Tamil Nadu | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | 387 | 131 | 82 | - | 400 | 1000 | 155 | 329 | 20 |
| 00.01 - 00.20 | 423 | 52 | 61 | 17 | 448 | 1000 | 285 | 1587 | 88 |
| 00.21 - 00.50 | 377 | 135 | 45 | 12 | 428 | 1000 | 1457 | 4518 | 264 |
| 00.51 - 01.00 | 443 | 107 | 30 | 12 | 408 | 1000 | 2143 | 3534 | 201 |
| 01.01 - 02.00 | 494 | 114 | 79 | 27 | 286 | 1000 | 2579 | 2596 | 144 |
| 02.01 - 04.00 | 613 | 24 | 200 | 17 | 147 | 1000 | 1704 | 1221 | 66 |
| 04.01 - 10.00 | 396 | 50 | 396 | 44 | 114 | 1000 | 1267 | 408 | 18 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 120 | 25 | 2 |
| Paddy(rabi) | | | | | | | | | |
| all | 463 | 88 | 137 | 21 | 291 | 1000 | 9711 | 14219 | 803 |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 323 | 21 | - | - | 656 | 1000 | 144 | 829 | 52 |
| 00.21 - 00.50 | 316 | 47 | 20 | - | 617 | 1000 | 886 | 2845 | 165 |
| 00.51 - 01.00 | 257 | 81 | - | 6 | 656 | 1000 | 1692 | 2867 | 150 |
| 01.01 - 02.00 | 348 | 109 | 53 | 25 | 465 | 1000 | 1457 | 1555 | 82 |
| 02.01 - 04.00 | 281 | 84 | 93 | 6 | 536 | 1000 | 939 | 676 | 34 |
| 04.01 - 10.00 | 422 | - | 578 | - | - | 1000 | 743 | 276 | 10 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 315 | 72 | 104 | 9 | 500 | 1000 | 5861 | 9048 | 493 |
| other cereals | | | | | | | | | |
| nil (< 0.01) | 1000 | - | - | - | - | 1000 | 3 | 15 | 1 |
| 00.01 - 00.20 | 239 | 27 | - | - | 734 | 1000 | 42 | 308 | 19 |
| 00.21 - 00.50 | 388 | 37 | 29 | 1 | 545 | 1000 | 589 | 1830 | 107 |
| 00.51 - 01.00 | 395 | 77 | 4 | 14 | 509 | 1000 | 1018 | 1903 | 102 |
| 01.01 - 02.00 | 388 | 149 | 20 | - | 442 | 1000 | 1489 | 1822 | 97 |
| 02.01 - 04.00 | 725 | 6 | - | 5 | 265 | 1000 | 1208 | 842 | 40 |
| 04.01 - 10.00 | 633 | - | 367 | - | - | 1000 | 967 | 310 | 17 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|----|---|-----|------|------|------|-----|
| all | 510 | 62 | 76 | 4 | 348 | 1000 | 5316 | 7029 | 383 |
|-----|-----|----|----|---|-----|------|------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Tamil Nadu | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| pulses | | | | | | | | | |
| nil (< 0.01) | 49 | - | - | - | 951 | 1000 | 36 | 74 | 4 |
| 00.01 - 00.20 | 317 | - | - | - | 683 | 1000 | 43 | 244 | 14 |
| 00.21 - 00.50 | 247 | 119 | 13 | 11 | 611 | 1000 | 241 | 748 | 46 |
| 00.51 - 01.00 | 208 | 44 | - | - | 748 | 1000 | 360 | 600 | 36 |
| 01.01 - 02.00 | 218 | 156 | 39 | 23 | 564 | 1000 | 529 | 558 | 32 |
| 02.01 - 04.00 | 382 | 25 | - | - | 593 | 1000 | 291 | 273 | 16 |
| 04.01 - 10.00 | 220 | - | 82 | - | 698 | 1000 | 400 | 204 | 8 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 20 | 2 | 1 |
| all | 242 | 70 | 40 | 8 | 640 | 1000 | 1920 | 2704 | 157 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | 338 | 256 | - | - | 406 | 1000 | 38 | 88 | 5 |
| 00.01 - 00.20 | 256 | 33 | - | - | 711 | 1000 | 61 | 354 | 19 |
| 00.21 - 00.50 | 217 | 50 | - | - | 733 | 1000 | 221 | 784 | 48 |
| 00.51 - 01.00 | 356 | 244 | 42 | - | 358 | 1000 | 484 | 853 | 52 |
| 01.01 - 02.00 | 341 | 144 | 11 | - | 504 | 1000 | 506 | 813 | 51 |
| 02.01 - 04.00 | 511 | 57 | 104 | 41 | 287 | 1000 | 676 | 589 | 28 |
| 04.01 - 10.00 | 577 | 193 | 109 | - | 122 | 1000 | 301 | 201 | 7 |
| 10.01 & above | - | - | 413 | 587 | - | 1000 | 127 | 25 | 2 |
| all | 390 | 129 | 75 | 42 | 364 | 1000 | 2413 | 3706 | 212 |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 3 | 193 | 11 |
| 00.21 - 00.50 | 320 | 141 | - | - | 539 | 1000 | 34 | 145 | 8 |
| 00.51 - 01.00 | 759 | 115 | - | - | 126 | 1000 | 43 | 138 | 7 |
| 01.01 - 02.00 | 799 | 56 | 10 | - | 134 | 1000 | 344 | 308 | 17 |
| 02.01 - 04.00 | 181 | - | - | - | 819 | 1000 | 106 | 62 | 5 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 65 | 16 | 1 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|---|---|-----|------|-----|-----|----|
| all | 567 | 49 | 6 | - | 378 | 1000 | 596 | 863 | 49 |
|-----|-----|----|---|---|-----|------|-----|-----|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Tamil Nadu | | | | | | | | | |
|--------------------------------------|------------------------------------|-----------|------------------|-----------|------------|-------------|--------------------|---|------------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 15 | 62 | 3 |
| 00.21 - 00.50 | 186 | 28 | 49 | 4 | 732 | 1000 | 154 | 495 | 23 |
| 00.51 - 01.00 | 431 | 146 | 28 | - | 394 | 1000 | 266 | 528 | 29 |
| 01.01 - 02.00 | 257 | 81 | 21 | - | 642 | 1000 | 385 | 496 | 23 |
| 02.01 - 04.00 | 333 | 30 | 195 | 25 | 418 | 1000 | 493 | 456 | 20 |
| 04.01 - 10.00 | 94 | - | 821 | 85 | - | 1000 | 406 | 153 | 4 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 259 | 52 | 263 | 27 | 399 | 1000 | 1720 | 2190 | 102 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | 1000 | - | - | 1000 | 8 | 41 | 2 |
| 00.01 - 00.20 | - | 72 | - | - | 928 | 1000 | 13 | 205 | 12 |
| 00.21 - 00.50 | 338 | 45 | - | - | 618 | 1000 | 124 | 520 | 30 |
| 00.51 - 01.00 | 426 | 85 | - | - | 488 | 1000 | 192 | 580 | 29 |
| 01.01 - 02.00 | 317 | 106 | 35 | - | 541 | 1000 | 298 | 561 | 29 |
| 02.01 - 04.00 | 340 | - | - | - | 660 | 1000 | 220 | 303 | 15 |
| 04.01 - 10.00 | 326 | - | 674 | - | - | 1000 | 24 | 38 | 2 |
| 10.01 & above | 724 | - | - | - | 276 | 1000 | 67 | 47 | 2 |
| all | 369 | 58 | 37 | - | 536 | 1000 | 947 | 2296 | 121 |
| fodder | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 614 | - | - | - | 386 | 1000 | 8 | 56 | 4 |
| 00.21 - 00.50 | 102 | 70 | - | - | 829 | 1000 | 55 | 324 | 18 |
| 00.51 - 01.00 | 464 | 109 | - | - | 427 | 1000 | 97 | 389 | 21 |
| 01.01 - 02.00 | 660 | 68 | 58 | - | 215 | 1000 | 210 | 423 | 22 |
| 02.01 - 04.00 | 499 | 140 | - | - | 361 | 1000 | 42 | 118 | 8 |
| 04.01 - 10.00 | 1000 | - | - | - | - | 1000 | 0 | 1 | 1 |
| 10.01 & above | 1000 | - | - | - | - | 1000 | 48 | 24 | 1 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|----|----|---|-----|------|-----|------|----|
| all | 572 | 75 | 26 | - | 327 | 1000 | 462 | 1335 | 75 |
|-----|-----|----|----|---|-----|------|-----|------|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Tamil Nadu | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 15 | 243 | 14 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 17 | 693 | 42 |
| 00.21 - 00.50 | 170 | - | - | - | 830 | 1000 | 240 | 881 | 57 |
| 00.51 - 01.00 | 209 | 15 | - | - | 776 | 1000 | 447 | 938 | 52 |
| 01.01 - 02.00 | 150 | 58 | - | - | 792 | 1000 | 367 | 561 | 29 |
| 02.01 - 04.00 | 247 | - | 72 | - | 681 | 1000 | 254 | 229 | 12 |
| 04.01 - 10.00 | 137 | - | - | - | 863 | 1000 | 264 | 72 | 4 |
| 10.01 & above | 1000 | - | - | - | - | 1000 | 193 | 24 | 1 |
| all | 268 | 16 | 10 | - | 707 | 1000 | 1796 | 3642 | 211 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | 944 | - | 56 | 1000 | 13 | 40 | 2 |
| 00.01 - 00.20 | 166 | 64 | 136 | - | 635 | 1000 | 42 | 309 | 18 |
| 00.21 - 00.50 | 350 | 25 | 116 | 30 | 478 | 1000 | 343 | 1102 | 64 |
| 00.51 - 01.00 | 342 | 60 | 147 | - | 451 | 1000 | 734 | 1470 | 82 |
| 01.01 - 02.00 | 318 | 107 | 153 | 59 | 364 | 1000 | 954 | 1166 | 67 |
| 02.01 - 04.00 | 301 | 14 | 123 | 20 | 543 | 1000 | 755 | 629 | 33 |
| 04.01 - 10.00 | 346 | 486 | 49 | - | 120 | 1000 | 337 | 255 | 10 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 323 | 104 | 132 | 26 | 415 | 1000 | 3178 | 4970 | 276 |
| others | | | | | | | | | |
| nil (< 0.01) | - | 475 | 263 | - | 261 | 1000 | 31 | 73 | 4 |
| 00.01 - 00.20 | 119 | - | - | - | 881 | 1000 | 13 | 296 | 19 |
| 00.21 - 00.50 | 158 | 24 | 23 | - | 795 | 1000 | 93 | 276 | 16 |
| 00.51 - 01.00 | 253 | - | - | - | 747 | 1000 | 222 | 461 | 22 |
| 01.01 - 02.00 | 332 | 22 | - | - | 646 | 1000 | 165 | 239 | 13 |
| 02.01 - 04.00 | 327 | - | 285 | 23 | 365 | 1000 | 262 | 161 | 9 |
| 04.01 - 10.00 | 687 | - | - | - | 313 | 1000 | 42 | 56 | 3 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 27 | 2 | 1 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|----|-----|---|-----|------|-----|------|----|
| all | 282 | 24 | 131 | 7 | 555 | 1000 | 855 | 1563 | 87 |
|-----|-----|----|-----|---|-----|------|-----|------|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Tripura | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | 284 | 716 | 1000 | 14 | 28 | 5 |
| 00.01 - 00.20 | 355 | 23 | 23 | 25 | 574 | 1000 | 30 | 249 | 51 |
| 00.21 - 00.50 | 338 | 49 | 25 | - | 587 | 1000 | 141 | 545 | 114 |
| 00.51 - 01.00 | 305 | 25 | 94 | - | 575 | 1000 | 276 | 515 | 107 |
| 01.01 - 02.00 | 276 | 105 | - | - | 619 | 1000 | 198 | 197 | 36 |
| 02.01 - 04.00 | 205 | - | 329 | - | 466 | 1000 | 80 | 61 | 14 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 26 | 8 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 280 | 46 | 74 | 6 | 594 | 1000 | 766 | 1602 | 329 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 0 | 15 | 3 |
| 00.01 - 00.20 | 113 | - | 13 | - | 873 | 1000 | 12 | 62 | 14 |
| 00.21 - 00.50 | 242 | 69 | 30 | 54 | 606 | 1000 | 134 | 423 | 86 |
| 00.51 - 01.00 | 181 | 71 | 23 | 80 | 645 | 1000 | 143 | 291 | 61 |
| 01.01 - 02.00 | 208 | 135 | - | 13 | 644 | 1000 | 69 | 91 | 20 |
| 02.01 - 04.00 | 51 | - | 510 | - | 439 | 1000 | 43 | 62 | 14 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 3 | 3 | 1 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 188 | 71 | 73 | 48 | 619 | 1000 | 404 | 948 | 199 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | 1000 | - | 1000 | 1 | 5 | 1 |
| 00.01 - 00.20 | 15 | - | - | - | 985 | 1000 | 20 | 231 | 59 |
| 00.21 - 00.50 | 143 | - | - | 5 | 852 | 1000 | 35 | 268 | 60 |
| 00.51 - 01.00 | 228 | 11 | 68 | - | 694 | 1000 | 58 | 263 | 57 |
| 01.01 - 02.00 | 283 | 57 | - | - | 660 | 1000 | 29 | 87 | 18 |
| 02.01 - 04.00 | 62 | 75 | 692 | - | 171 | 1000 | 21 | 37 | 8 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|----|-----|---|-----|------|-----|-----|-----|
| all | 172 | 24 | 113 | 6 | 686 | 1000 | 163 | 891 | 203 |
|-----|-----|----|-----|---|-----|------|-----|-----|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Uttar Pradesh | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | 502 | 30 | - | - | 468 | 1000 | 150 | 275 | 11 |
| 00.01 - 00.20 | 512 | 83 | 20 | 1 | 384 | 1000 | 2674 | 20971 | 974 |
| 00.21 - 00.50 | 575 | 96 | 9 | 2 | 317 | 1000 | 8912 | 36921 | 1463 |
| 00.51 - 01.00 | 515 | 140 | 38 | 3 | 303 | 1000 | 13499 | 28650 | 1176 |
| 01.01 - 02.00 | 531 | 129 | 59 | 4 | 278 | 1000 | 15365 | 20063 | 806 |
| 02.01 - 04.00 | 468 | 156 | 200 | 1 | 176 | 1000 | 11778 | 8681 | 380 |
| 04.01 - 10.00 | 272 | 92 | 482 | 26 | 128 | 1000 | 6754 | 2778 | 123 |
| 10.01 & above | 409 | - | 591 | - | - | 1000 | 1008 | 240 | 11 |
| all | 490 | 123 | 129 | 5 | 253 | 1000 | 60141 | 118579 | 4944 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 682 | 24 | - | - | 294 | 1000 | 45 | 503 | 28 |
| 00.21 - 00.50 | 555 | 19 | - | - | 426 | 1000 | 184 | 792 | 34 |
| 00.51 - 01.00 | 398 | 325 | - | - | 277 | 1000 | 231 | 525 | 24 |
| 01.01 - 02.00 | 683 | 2 | 27 | - | 288 | 1000 | 319 | 436 | 16 |
| 02.01 - 04.00 | 491 | 184 | 144 | - | 181 | 1000 | 297 | 198 | 8 |
| 04.01 - 10.00 | - | - | 1000 | - | - | 1000 | 329 | 73 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 419 | 96 | 271 | - | 214 | 1000 | 1405 | 2527 | 113 |
| wheat | | | | | | | | | |
| nil (< 0.01) | 673 | 57 | - | - | 270 | 1000 | 354 | 498 | 22 |
| 00.01 - 00.20 | 544 | 94 | 12 | 1 | 349 | 1000 | 3407 | 26262 | 1233 |
| 00.21 - 00.50 | 617 | 78 | 13 | 2 | 290 | 1000 | 12226 | 47255 | 1927 |
| 00.51 - 01.00 | 578 | 106 | 34 | 2 | 280 | 1000 | 19350 | 38459 | 1584 |
| 01.01 - 02.00 | 568 | 111 | 65 | 3 | 252 | 1000 | 23413 | 28076 | 1145 |
| 02.01 - 04.00 | 542 | 119 | 175 | 2 | 162 | 1000 | 20404 | 13553 | 584 |
| 04.01 - 10.00 | 315 | 102 | 452 | 25 | 107 | 1000 | 13696 | 4867 | 219 |
| 10.01 & above | 240 | - | 760 | - | - | 1000 | 1761 | 349 | 17 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|-----|-----|---|-----|------|-------|--------|------|
| all | 528 | 103 | 143 | 5 | 221 | 1000 | 94610 | 159319 | 6731 |
|-----|-----|-----|-----|---|-----|------|-------|--------|------|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Uttar Pradesh | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cereals | | | | | | | | | |
| nil (< 0.01) | 1000 | - | - | - | - | 1000 | 123 | 213 | 10 |
| 00.01 - 00.20 | 565 | 25 | - | 1 | 409 | 1000 | 738 | 7472 | 340 |
| 00.21 - 00.50 | 568 | 33 | 23 | 1 | 375 | 1000 | 3213 | 18714 | 606 |
| 00.51 - 01.00 | 605 | 50 | 14 | 0 | 330 | 1000 | 4988 | 14818 | 567 |
| 01.01 - 02.00 | 607 | 55 | 48 | 5 | 285 | 1000 | 6599 | 11736 | 442 |
| 02.01 - 04.00 | 606 | 63 | 127 | 5 | 199 | 1000 | 6240 | 5883 | 245 |
| 04.01 - 10.00 | 309 | 51 | 496 | - | 143 | 1000 | 4374 | 2130 | 97 |
| 10.01 & above | 559 | - | 441 | - | - | 1000 | 573 | 285 | 13 |
| all | 553 | 51 | 137 | 3 | 257 | 1000 | 26849 | 61251 | 2320 |
| pulses | | | | | | | | | |
| nil (< 0.01) | 931 | - | - | - | 69 | 1000 | 143 | 101 | 6 |
| 00.01 - 00.20 | 345 | 29 | 0 | 0 | 626 | 1000 | 460 | 4694 | 205 |
| 00.21 - 00.50 | 419 | 36 | 10 | 2 | 533 | 1000 | 1597 | 17189 | 547 |
| 00.51 - 01.00 | 476 | 70 | 33 | 1 | 421 | 1000 | 2954 | 16035 | 630 |
| 01.01 - 02.00 | 490 | 79 | 58 | 2 | 370 | 1000 | 4154 | 12397 | 492 |
| 02.01 - 04.00 | 377 | 93 | 200 | 13 | 317 | 1000 | 3980 | 6295 | 271 |
| 04.01 - 10.00 | 232 | 142 | 368 | 36 | 221 | 1000 | 4569 | 3086 | 141 |
| 10.01 & above | 199 | - | 801 | - | - | 1000 | 885 | 287 | 14 |
| all | 381 | 87 | 189 | 12 | 331 | 1000 | 18741 | 60084 | 2306 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | 765 | - | - | - | 235 | 1000 | 66 | 156 | 7 |
| 00.01 - 00.20 | 383 | 56 | - | - | 561 | 1000 | 76 | 1531 | 44 |
| 00.21 - 00.50 | 406 | 34 | 18 | - | 543 | 1000 | 567 | 9192 | 167 |
| 00.51 - 01.00 | 483 | 60 | 36 | 3 | 418 | 1000 | 1120 | 6978 | 228 |
| 01.01 - 02.00 | 544 | 59 | 63 | - | 335 | 1000 | 2285 | 6492 | 223 |
| 02.01 - 04.00 | 577 | 76 | 163 | 5 | 179 | 1000 | 2131 | 3480 | 151 |
| 04.01 - 10.00 | 313 | 49 | 531 | 8 | 99 | 1000 | 1612 | 1552 | 70 |
| 10.01 & above | 20 | - | 980 | - | - | 1000 | 318 | 129 | 7 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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|-----|-----|----|-----|---|-----|------|------|-------|-----|
| all | 469 | 57 | 209 | 3 | 262 | 1000 | 8174 | 29509 | 897 |
|-----|-----|----|-----|---|-----|------|------|-------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Uttar Pradesh | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | 827 | - | - | - | 173 | 1000 | 36 | 101 | 5 |
| 00.01 - 00.20 | 590 | 37 | - | - | 373 | 1000 | 122 | 1571 | 70 |
| 00.21 - 00.50 | 472 | 75 | - | 2 | 451 | 1000 | 403 | 2478 | 113 |
| 00.51 - 01.00 | 670 | 68 | 5 | 8 | 249 | 1000 | 951 | 3179 | 131 |
| 01.01 - 02.00 | 525 | 44 | 14 | 4 | 413 | 1000 | 1328 | 2807 | 124 |
| 02.01 - 04.00 | 403 | 122 | 93 | 46 | 338 | 1000 | 1214 | 1609 | 73 |
| 04.01 - 10.00 | 199 | 261 | 301 | 35 | 204 | 1000 | 932 | 619 | 29 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 94 | 53 | 3 |
| all | 453 | 108 | 100 | 20 | 319 | 1000 | 5079 | 12416 | 548 |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | 486 | 514 | - | - | - | 1000 | 20 | 55 | 2 |
| 00.01 - 00.20 | 437 | 133 | - | - | 430 | 1000 | 64 | 723 | 38 |
| 00.21 - 00.50 | 485 | 102 | 15 | 2 | 396 | 1000 | 758 | 5669 | 263 |
| 00.51 - 01.00 | 532 | 109 | 62 | 10 | 286 | 1000 | 1975 | 8789 | 377 |
| 01.01 - 02.00 | 515 | 126 | 143 | 9 | 206 | 1000 | 3812 | 8413 | 361 |
| 02.01 - 04.00 | 411 | 142 | 254 | 13 | 180 | 1000 | 4418 | 5041 | 218 |
| 04.01 - 10.00 | 147 | 111 | 648 | 55 | 39 | 1000 | 3369 | 2006 | 86 |
| 10.01 & above | 746 | - | 181 | - | 73 | 1000 | 391 | 113 | 6 |
| all | 407 | 121 | 274 | 20 | 178 | 1000 | 14807 | 30809 | 1351 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | 887 | - | - | 64 | 49 | 1000 | 39 | 87 | 5 |
| 00.01 - 00.20 | 431 | 34 | 10 | 2 | 523 | 1000 | 280 | 3771 | 185 |
| 00.21 - 00.50 | 594 | 41 | 1 | 1 | 363 | 1000 | 718 | 6594 | 319 |
| 00.51 - 01.00 | 532 | 47 | 18 | 7 | 396 | 1000 | 1156 | 7233 | 335 |
| 01.01 - 02.00 | 485 | 33 | 61 | 1 | 419 | 1000 | 1362 | 5106 | 231 |
| 02.01 - 04.00 | 542 | 30 | 244 | 5 | 178 | 1000 | 1251 | 2492 | 116 |
| 04.01 - 10.00 | 123 | 13 | 718 | - | 146 | 1000 | 743 | 796 | 37 |
| 10.01 & above | - | - | 1000 | - | - | 1000 | 27 | 37 | 2 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|-----|---|-----|------|------|-------|------|
| all | 471 | 33 | 175 | 4 | 317 | 1000 | 5576 | 26116 | 1230 |
|-----|-----|----|-----|---|-----|------|------|-------|------|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Uttar Pradesh | | | | | | | | | |
|--------------------------------------|------------------------------------|--------|------------------|--------|----------|------|--------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fodder | | | | | | | | | |
| nil (< 0.01) | 863 | - | - | - | 137 | 1000 | 8 | 74 | 5 |
| 00.01 - 00.20 | 707 | 20 | - | 1 | 272 | 1000 | 169 | 2311 | 113 |
| 00.21 - 00.50 | 713 | 27 | 33 | 11 | 217 | 1000 | 887 | 7690 | 349 |
| 00.51 - 01.00 | 644 | 49 | 52 | 1 | 254 | 1000 | 1801 | 11558 | 472 |
| 01.01 - 02.00 | 582 | 67 | 85 | 1 | 266 | 1000 | 2715 | 10463 | 426 |
| 02.01 - 04.00 | 549 | 51 | 244 | 5 | 152 | 1000 | 2639 | 6231 | 257 |
| 04.01 - 10.00 | 268 | 55 | 561 | 34 | 81 | 1000 | 1227 | 2021 | 89 |
| 10.01 & above | 579 | - | 421 | - | - | 1000 | 288 | 165 | 8 |
| all | 559 | 51 | 185 | 7 | 197 | 1000 | 9734 | 40513 | 1719 |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 370 | 115 | - | - | 515 | 1000 | 36 | 254 | 10 |
| 00.21 - 00.50 | 387 | 143 | - | - | 470 | 1000 | 91 | 496 | 23 |
| 00.51 - 01.00 | 244 | 172 | 54 | 4 | 525 | 1000 | 179 | 688 | 31 |
| 01.01 - 02.00 | 462 | - | 16 | 26 | 496 | 1000 | 191 | 597 | 24 |
| 02.01 - 04.00 | 147 | - | 345 | - | 508 | 1000 | 162 | 331 | 15 |
| 04.01 - 10.00 | 391 | - | 174 | - | 435 | 1000 | 195 | 137 | 6 |
| 10.01 & above | 254 | - | - | - | 746 | 1000 | 35 | 62 | 2 |
| all | 325 | 54 | 115 | 7 | 499 | 1000 | 890 | 2565 | 111 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | 1000 | - | - | - | - | 1000 | 1 | 18 | 1 |
| 00.01 - 00.20 | 532 | 16 | 330 | - | 123 | 1000 | 118 | 521 | 25 |
| 00.21 - 00.50 | 761 | 50 | 8 | - | 181 | 1000 | 229 | 1152 | 46 |
| 00.51 - 01.00 | 566 | 114 | 26 | 6 | 288 | 1000 | 479 | 1630 | 69 |
| 01.01 - 02.00 | 403 | 256 | 73 | - | 268 | 1000 | 696 | 1572 | 59 |
| 02.01 - 04.00 | 412 | 269 | 224 | - | 95 | 1000 | 489 | 684 | 27 |
| 04.01 - 10.00 | 292 | 117 | 129 | - | 462 | 1000 | 410 | 306 | 14 |
| 10.01 & above | 582 | - | 418 | - | - | 1000 | 207 | 69 | 3 |
| all | 468 | 162 | 135 | 1 | 234 | 1000 | 2629 | 5952 | 244 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| Uttar Pradesh | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| others | | | | | | | | | |
| nil (< 0.01) | 73 | - | - | 927 | - | 1000 | 3 | 37 | 2 |
| 00.01 - 00.20 | 694 | 75 | 5 | - | 226 | 1000 | 36 | 567 | 28 |
| 00.21 - 00.50 | 672 | 11 | 67 | - | 250 | 1000 | 197 | 962 | 41 |
| 00.51 - 01.00 | 514 | 90 | 86 | 3 | 308 | 1000 | 383 | 1490 | 65 |
| 01.01 - 02.00 | 372 | 152 | 182 | - | 294 | 1000 | 456 | 1363 | 59 |
| 02.01 - 04.00 | 338 | 131 | 358 | - | 173 | 1000 | 465 | 885 | 37 |
| 04.01 - 10.00 | 11 | - | 989 | - | - | 1000 | 183 | 219 | 9 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 397 | 98 | 277 | 2 | 226 | 1000 | 1721 | 5523 | 241 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| West Bengal | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | 547 | 53 | 78 | - | 323 | 1000 | 1262 | 1686 | 72 |
| 00.01 - 00.20 | 382 | 54 | 3 | 4 | 557 | 1000 | 1525 | 11922 | 596 |
| 00.21 - 00.50 | 318 | 93 | 1 | 3 | 585 | 1000 | 5165 | 17534 | 868 |
| 00.51 - 01.00 | 259 | 114 | 11 | 13 | 604 | 1000 | 8326 | 13641 | 605 |
| 01.01 - 02.00 | 209 | 185 | 19 | 17 | 570 | 1000 | 7167 | 6338 | 286 |
| 02.01 - 04.00 | 293 | 208 | 36 | 22 | 440 | 1000 | 4440 | 2031 | 91 |
| 04.01 - 10.00 | 77 | 825 | - | - | 98 | 1000 | 466 | 142 | 7 |
| 10.01 & above | - | 1000 | - | - | - | 1000 | 10 | 24 | 1 |
| all | 279 | 149 | 17 | 12 | 543 | 1000 | 28359 | 53318 | 2526 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | 698 | - | - | - | 302 | 1000 | 66 | 310 | 14 |
| 00.01 - 00.20 | 516 | 104 | 4 | 0 | 376 | 1000 | 525 | 4101 | 195 |
| 00.21 - 00.50 | 422 | 144 | 0 | 16 | 418 | 1000 | 1682 | 7016 | 326 |
| 00.51 - 01.00 | 343 | 157 | 32 | 15 | 453 | 1000 | 2408 | 5010 | 211 |
| 01.01 - 02.00 | 253 | 285 | 51 | 2 | 409 | 1000 | 1637 | 2126 | 94 |
| 02.01 - 04.00 | 267 | 291 | 136 | 73 | 233 | 1000 | 992 | 791 | 33 |
| 04.01 - 10.00 | 136 | 53 | 327 | - | 484 | 1000 | 189 | 111 | 5 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 341 | 192 | 48 | 18 | 401 | 1000 | 7499 | 19464 | 878 |
| wheat | | | | | | | | | |
| nil (< 0.01) | 72 | 545 | - | - | 383 | 1000 | 40 | 212 | 11 |
| 00.01 - 00.20 | 209 | 67 | - | - | 723 | 1000 | 176 | 1265 | 64 |
| 00.21 - 00.50 | 207 | 168 | - | 8 | 616 | 1000 | 545 | 2878 | 136 |
| 00.51 - 01.00 | 113 | 189 | 2 | 15 | 682 | 1000 | 859 | 3031 | 130 |
| 01.01 - 02.00 | 96 | 275 | 11 | 43 | 576 | 1000 | 839 | 2041 | 89 |
| 02.01 - 04.00 | 373 | 195 | 39 | 17 | 375 | 1000 | 538 | 682 | 29 |
| 04.01 - 10.00 | 549 | - | - | - | 451 | 1000 | 65 | 40 | 2 |
| 10.01 & above | - | 1000 | - | - | - | 1000 | 5 | 24 | 1 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|-----|----|----|-----|------|------|-------|-----|
| all | 185 | 205 | 11 | 20 | 580 | 1000 | 3067 | 10173 | 462 |
|-----|-----|-----|----|----|-----|------|------|-------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| West Bengal | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cereals | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 234 | - | - | - | 766 | 1000 | 24 | 446 | 21 |
| 00.21 - 00.50 | 419 | - | - | - | 581 | 1000 | 51 | 292 | 16 |
| 00.51 - 01.00 | 74 | 41 | - | - | 885 | 1000 | 77 | 284 | 12 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 33 | 100 | 4 |
| 02.01 - 04.00 | - | 828 | - | - | 172 | 1000 | 72 | 105 | 4 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 127 | 243 | - | - | 630 | 1000 | 257 | 1227 | 57 |
| pulses | | | | | | | | | |
| nil (< 0.01) | 740 | - | - | - | 260 | 1000 | 9 | 69 | 3 |
| 00.01 - 00.20 | 409 | 80 | - | - | 511 | 1000 | 40 | 485 | 23 |
| 00.21 - 00.50 | 317 | 18 | - | 7 | 658 | 1000 | 126 | 914 | 49 |
| 00.51 - 01.00 | 218 | 59 | - | 36 | 687 | 1000 | 189 | 956 | 38 |
| 01.01 - 02.00 | 66 | 124 | - | 65 | 746 | 1000 | 167 | 622 | 25 |
| 02.01 - 04.00 | 69 | 85 | 30 | 77 | 739 | 1000 | 79 | 230 | 10 |
| 04.01 - 10.00 | - | 1000 | - | - | - | 1000 | 70 | 21 | 1 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 177 | 168 | 4 | 36 | 615 | 1000 | 680 | 3297 | 149 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | - | 1000 | - | - | - | 1000 | 3 | 22 | 1 |
| 00.01 - 00.20 | 480 | - | - | - | 520 | 1000 | 87 | 915 | 44 |
| 00.21 - 00.50 | 245 | 93 | - | 3 | 659 | 1000 | 320 | 1940 | 95 |
| 00.51 - 01.00 | 339 | 57 | 3 | 23 | 577 | 1000 | 630 | 2535 | 112 |
| 01.01 - 02.00 | 182 | 206 | 14 | 50 | 547 | 1000 | 434 | 1334 | 61 |
| 02.01 - 04.00 | 274 | 267 | 4 | - | 455 | 1000 | 244 | 489 | 23 |
| 04.01 - 10.00 | 95 | - | - | - | 905 | 1000 | 94 | 62 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|-----|---|----|-----|------|------|------|-----|
| all | 270 | 123 | 5 | 21 | 581 | 1000 | 1811 | 7297 | 339 |
|-----|-----|-----|---|----|-----|------|------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| West Bengal | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 3 | 97 | 5 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 23 | 161 | 10 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 59 | 269 | 10 |
| 01.01 - 02.00 | - | 176 | - | - | 824 | 1000 | 63 | 154 | 6 |
| 02.01 - 04.00 | - | - | - | - | - | - | - | - | - |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 48 | 24 | 1 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | 56 | - | - | 944 | 1000 | 195 | 704 | 32 |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | 1000 | - | - | - | - | 1000 | 3 | 25 | 1 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 2 | 23 | 1 |
| 00.21 - 00.50 | 182 | - | - | - | 818 | 1000 | 16 | 160 | 7 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 56 | 253 | 11 |
| 01.01 - 02.00 | - | 236 | - | - | 764 | 1000 | 17 | 83 | 4 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 30 | 63 | 4 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 51 | 32 | - | - | 917 | 1000 | 124 | 607 | 28 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | 515 | 90 | 271 | - | 124 | 1000 | 362 | 738 | 28 |
| 00.01 - 00.20 | 313 | 63 | 15 | 9 | 599 | 1000 | 308 | 3464 | 162 |
| 00.21 - 00.50 | 387 | 63 | - | - | 550 | 1000 | 601 | 4296 | 211 |
| 00.51 - 01.00 | 335 | 106 | 0 | 6 | 552 | 1000 | 1189 | 5011 | 221 |
| 01.01 - 02.00 | 253 | 155 | 20 | 39 | 533 | 1000 | 848 | 2603 | 113 |
| 02.01 - 04.00 | 151 | 54 | 16 | 161 | 617 | 1000 | 414 | 1085 | 46 |
| 04.01 - 10.00 | - | 889 | - | - | 111 | 1000 | 142 | 36 | 2 |
| 10.01 & above | - | 1000 | - | - | - | 1000 | 64 | 24 | 1 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|-----|----|----|-----|------|------|-------|-----|
| all | 303 | 143 | 32 | 28 | 494 | 1000 | 3929 | 17256 | 784 |
|-----|-----|-----|----|----|-----|------|------|-------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| West Bengal | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | 834 | - | - | - | 166 | 1000 | 48 | 104 | 3 |
| 00.01 - 00.20 | 436 | - | 58 | - | 505 | 1000 | 33 | 413 | 20 |
| 00.21 - 00.50 | 939 | - | - | - | 61 | 1000 | 44 | 216 | 11 |
| 00.51 - 01.00 | 710 | - | - | - | 290 | 1000 | 16 | 171 | 6 |
| 01.01 - 02.00 | 519 | 196 | - | - | 284 | 1000 | 51 | 252 | 10 |
| 02.01 - 04.00 | 183 | 667 | - | - | 149 | 1000 | 60 | 97 | 4 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 573 | 199 | 8 | - | 221 | 1000 | 252 | 1254 | 54 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 2 | 21 | 1 |
| 00.01 - 00.20 | 269 | 92 | - | - | 639 | 1000 | 138 | 1402 | 71 |
| 00.21 - 00.50 | 124 | 176 | - | 4 | 697 | 1000 | 592 | 3449 | 170 |
| 00.51 - 01.00 | 127 | 145 | 4 | 12 | 712 | 1000 | 1375 | 4130 | 174 |
| 01.01 - 02.00 | 83 | 185 | 15 | - | 717 | 1000 | 963 | 1924 | 81 |
| 02.01 - 04.00 | 158 | 204 | - | 17 | 621 | 1000 | 533 | 557 | 23 |
| 04.01 - 10.00 | 133 | 520 | - | - | 348 | 1000 | 194 | 130 | 6 |
| 10.01 & above | - | 1000 | - | - | - | 1000 | 5 | 24 | 1 |
| all | 125 | 186 | 5 | 7 | 676 | 1000 | 3802 | 11638 | 527 |
| others | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | 520 | - | - | - | 480 | 1000 | 52 | 555 | 26 |
| 00.21 - 00.50 | 255 | 91 | - | - | 654 | 1000 | 154 | 769 | 39 |
| 00.51 - 01.00 | 273 | - | - | 69 | 658 | 1000 | 257 | 576 | 22 |
| 01.01 - 02.00 | 106 | 378 | - | - | 515 | 1000 | 260 | 406 | 17 |
| 02.01 - 04.00 | 330 | - | - | - | 670 | 1000 | 22 | 72 | 4 |
| 04.01 - 10.00 | - | - | - | 1000 | - | 1000 | 25 | 25 | 1 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|-----|---|----|-----|------|-----|------|-----|
| all | 222 | 146 | - | 55 | 576 | 1000 | 769 | 2403 | 109 |
|-----|-----|-----|---|----|-----|------|-----|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| A. & N. Islands | | | | | | | | | |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 28 | 18 | 15 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 1 | 1 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 1 | 4 | 4 |
| 00.51 - 01.00 | 152 | 50 | - | - | 798 | 1000 | 7 | 12 | 11 |
| 01.01 - 02.00 | 208 | 125 | - | - | 667 | 1000 | 17 | 15 | 15 |
| 02.01 - 04.00 | 125 | 272 | - | 35 | 568 | 1000 | 40 | 20 | 20 |
| 04.01 - 10.00 | 299 | - | - | - | 701 | 1000 | 15 | 6 | 5 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | 130 | 124 | - | 13 | 734 | 1000 | 109 | 76 | 71 |
| pulses | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - |
| 00.01 - 00.20 | - | - | - | - | - | - | - | - | - |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 1 | 3 | 3 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 1 | 8 | 6 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 2 | 6 | 7 |
| 02.01 - 04.00 | - | - | - | - | 1000 | 1000 | 7 | 12 | 11 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 2 | 3 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |
| all | - | - | - | - | 1000 | 1000 | 12 | 32 | 29 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | 1000 | 1000 | 10 | 21 | 14 |
| 00.01 - 00.20 | - | - | - | - | 1000 | 1000 | 0 | 8 | 7 |
| 00.21 - 00.50 | - | - | - | - | 1000 | 1000 | 0 | 2 | 3 |
| 00.51 - 01.00 | - | - | - | - | 1000 | 1000 | 1 | 6 | 7 |
| 01.01 - 02.00 | - | - | - | - | 1000 | 1000 | 3 | 9 | 7 |
| 02.01 - 04.00 | - | - | - | 41 | 959 | 1000 | 2 | 5 | 4 |
| 04.01 - 10.00 | - | - | - | - | 1000 | 1000 | 1 | 3 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|---|---|---|---|-----|------|----|----|----|
| all | - | - | - | 4 | 996 | 1000 | 17 | 54 | 45 |
|-----|---|---|---|---|-----|------|----|----|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| | | | | | | | | | India |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| Paddy(kharif) | | | | | | | | | |
| nil (< 0.01) | 299 | 68 | 52 | 4 | 577 | 1000 | 4764 | 7446 | 542 |
| 00.01 - 00.20 | 296 | 94 | 19 | 10 | 580 | 1000 | 9408 | 66554 | 3780 |
| 00.21 - 00.50 | 286 | 95 | 20 | 4 | 595 | 1000 | 36752 | 123865 | 7021 |
| 00.51 - 01.00 | 240 | 103 | 22 | 9 | 625 | 1000 | 64934 | 113655 | 6397 |
| 01.01 - 02.00 | 235 | 105 | 39 | 11 | 610 | 1000 | 89015 | 90706 | 5282 |
| 02.01 - 04.00 | 216 | 116 | 106 | 16 | 547 | 1000 | 79079 | 46559 | 2930 |
| 04.01 - 10.00 | 166 | 109 | 281 | 21 | 423 | 1000 | 50053 | 16667 | 1107 |
| 10.01 & above | 84 | 30 | 622 | 37 | 227 | 1000 | 14066 | 2092 | 133 |
| all | 223 | 103 | 107 | 14 | 553 | 1000 | 348071 | 467544 | 27192 |
| Paddy(rabi) | | | | | | | | | |
| nil (< 0.01) | 593 | - | 25 | - | 383 | 1000 | 452 | 839 | 88 |
| 00.01 - 00.20 | 476 | 99 | 12 | 1 | 411 | 1000 | 1137 | 8094 | 465 |
| 00.21 - 00.50 | 384 | 100 | 11 | 9 | 496 | 1000 | 4565 | 16699 | 1000 |
| 00.51 - 01.00 | 285 | 119 | 23 | 15 | 559 | 1000 | 8223 | 15559 | 943 |
| 01.01 - 02.00 | 323 | 130 | 44 | 12 | 492 | 1000 | 8965 | 10515 | 700 |
| 02.01 - 04.00 | 294 | 159 | 85 | 32 | 430 | 1000 | 7758 | 5468 | 515 |
| 04.01 - 10.00 | 185 | 160 | 414 | 59 | 181 | 1000 | 4897 | 2057 | 121 |
| 10.01 & above | 65 | - | 679 | 197 | 59 | 1000 | 288 | 117 | 7 |
| all | 303 | 130 | 97 | 24 | 445 | 1000 | 36284 | 59349 | 3839 |
| wheat | | | | | | | | | |
| nil (< 0.01) | 423 | 105 | 122 | - | 350 | 1000 | 1522 | 2735 | 156 |
| 00.01 - 00.20 | 458 | 124 | 19 | 11 | 388 | 1000 | 6437 | 44720 | 2483 |
| 00.21 - 00.50 | 492 | 101 | 20 | 4 | 383 | 1000 | 23488 | 85062 | 4513 |
| 00.51 - 01.00 | 452 | 118 | 35 | 5 | 390 | 1000 | 39873 | 78670 | 4112 |
| 01.01 - 02.00 | 445 | 126 | 67 | 6 | 357 | 1000 | 62563 | 73999 | 3905 |
| 02.01 - 04.00 | 389 | 125 | 168 | 12 | 306 | 1000 | 69354 | 47764 | 2568 |
| 04.01 - 10.00 | 295 | 95 | 353 | 22 | 234 | 1000 | 64309 | 23752 | 1287 |
| 10.01 & above | 141 | 26 | 766 | 11 | 56 | 1000 | 21795 | 3504 | 213 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|-----|-----|----|-----|------|--------|--------|-------|
| all | 380 | 108 | 198 | 11 | 302 | 1000 | 289342 | 360207 | 19237 |
|-----|-----|-----|-----|----|-----|------|--------|--------|-------|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| | | | | | | | | | India |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| other cereals | | | | | | | | | |
| nil (< 0.01) | 357 | 56 | 18 | - | 569 | 1000 | 1563 | 2753 | 243 |
| 00.01 - 00.20 | 341 | 91 | 5 | 1 | 562 | 1000 | 2274 | 19642 | 1377 |
| 00.21 - 00.50 | 367 | 64 | 20 | 4 | 545 | 1000 | 12754 | 53201 | 3173 |
| 00.51 - 01.00 | 298 | 74 | 15 | 4 | 609 | 1000 | 24388 | 56247 | 3281 |
| 01.01 - 02.00 | 304 | 62 | 31 | 4 | 599 | 1000 | 46312 | 63774 | 3573 |
| 02.01 - 04.00 | 314 | 78 | 69 | 8 | 530 | 1000 | 58100 | 45200 | 2673 |
| 04.01 - 10.00 | 310 | 91 | 132 | 23 | 444 | 1000 | 60621 | 25511 | 1407 |
| 10.01 & above | 313 | 90 | 308 | 42 | 248 | 1000 | 23833 | 4610 | 255 |
| all | 313 | 78 | 93 | 14 | 502 | 1000 | 229847 | 270936 | 15982 |
| pulses | | | | | | | | | |
| nil (< 0.01) | 344 | 131 | 92 | - | 433 | 1000 | 722 | 1339 | 137 |
| 00.01 - 00.20 | 305 | 23 | 53 | 0 | 619 | 1000 | 1144 | 9974 | 577 |
| 00.21 - 00.50 | 236 | 43 | 43 | 5 | 673 | 1000 | 5112 | 35334 | 1663 |
| 00.51 - 01.00 | 240 | 53 | 21 | 6 | 680 | 1000 | 11456 | 44279 | 2224 |
| 01.01 - 02.00 | 243 | 71 | 24 | 8 | 655 | 1000 | 22181 | 49252 | 2542 |
| 02.01 - 04.00 | 246 | 72 | 73 | 11 | 598 | 1000 | 27889 | 35452 | 1885 |
| 04.01 - 10.00 | 254 | 106 | 145 | 31 | 464 | 1000 | 32576 | 19339 | 1040 |
| 10.01 & above | 309 | 113 | 382 | 30 | 165 | 1000 | 12611 | 3283 | 181 |
| all | 255 | 83 | 112 | 17 | 534 | 1000 | 113692 | 198251 | 10249 |
| oil seeds | | | | | | | | | |
| nil (< 0.01) | 474 | 37 | 102 | - | 387 | 1000 | 656 | 782 | 67 |
| 00.01 - 00.20 | 406 | 136 | 2 | 1 | 455 | 1000 | 889 | 7572 | 424 |
| 00.21 - 00.50 | 307 | 58 | 16 | 3 | 616 | 1000 | 3996 | 23235 | 1082 |
| 00.51 - 01.00 | 365 | 90 | 19 | 5 | 521 | 1000 | 9775 | 29166 | 1488 |
| 01.01 - 02.00 | 322 | 79 | 31 | 5 | 563 | 1000 | 23051 | 36266 | 1829 |
| 02.01 - 04.00 | 321 | 96 | 86 | 7 | 490 | 1000 | 32551 | 29203 | 1505 |
| 04.01 - 10.00 | 306 | 92 | 175 | 10 | 416 | 1000 | 38901 | 17724 | 914 |
| 10.01 & above | 183 | 73 | 537 | 62 | 145 | 1000 | 17743 | 3129 | 176 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|-----|----|-----|------|--------|--------|------|
| all | 302 | 87 | 158 | 15 | 438 | 1000 | 127563 | 147076 | 7485 |
|-----|-----|----|-----|----|-----|------|--------|--------|------|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| | | | | | | | | | India |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| mixed crop | | | | | | | | | |
| nil (< 0.01) | 123 | - | - | - | 877 | 1000 | 242 | 647 | 108 |
| 00.01 - 00.20 | 226 | 25 | - | 4 | 745 | 1000 | 426 | 4590 | 400 |
| 00.21 - 00.50 | 188 | 102 | 0 | 18 | 692 | 1000 | 1741 | 7738 | 487 |
| 00.51 - 01.00 | 297 | 52 | 11 | 7 | 633 | 1000 | 4540 | 11095 | 678 |
| 01.01 - 02.00 | 333 | 42 | 18 | 16 | 591 | 1000 | 9010 | 12719 | 820 |
| 02.01 - 04.00 | 322 | 78 | 51 | 6 | 544 | 1000 | 11551 | 9332 | 660 |
| 04.01 - 10.00 | 382 | 73 | 107 | 13 | 424 | 1000 | 16697 | 6589 | 498 |
| 10.01 & above | 538 | 41 | 268 | - | 152 | 1000 | 5100 | 937 | 57 |
| all | 358 | 63 | 80 | 10 | 488 | 1000 | 49306 | 53648 | 3708 |
| sugar cane | | | | | | | | | |
| nil (< 0.01) | 625 | 190 | - | - | 185 | 1000 | 54 | 176 | 17 |
| 00.01 - 00.20 | 391 | 89 | - | - | 521 | 1000 | 177 | 1669 | 98 |
| 00.21 - 00.50 | 439 | 110 | 17 | 2 | 431 | 1000 | 1449 | 8460 | 407 |
| 00.51 - 01.00 | 457 | 127 | 50 | 6 | 359 | 1000 | 3425 | 12719 | 580 |
| 01.01 - 02.00 | 417 | 125 | 114 | 9 | 335 | 1000 | 6918 | 13668 | 633 |
| 02.01 - 04.00 | 383 | 94 | 244 | 15 | 264 | 1000 | 8429 | 9194 | 446 |
| 04.01 - 10.00 | 155 | 77 | 577 | 34 | 158 | 1000 | 7271 | 4394 | 211 |
| 10.01 & above | 360 | 17 | 478 | - | 145 | 1000 | 1338 | 431 | 27 |
| all | 345 | 98 | 271 | 16 | 270 | 1000 | 29062 | 50712 | 2419 |
| vegetables | | | | | | | | | |
| nil (< 0.01) | 296 | 59 | 135 | 6 | 504 | 1000 | 842 | 3269 | 419 |
| 00.01 - 00.20 | 180 | 36 | 9 | 6 | 769 | 1000 | 1312 | 21488 | 1802 |
| 00.21 - 00.50 | 278 | 50 | 6 | 7 | 659 | 1000 | 3196 | 25787 | 2292 |
| 00.51 - 01.00 | 240 | 69 | 21 | 7 | 662 | 1000 | 5939 | 30332 | 2399 |
| 01.01 - 02.00 | 221 | 72 | 43 | 11 | 653 | 1000 | 7355 | 26046 | 2062 |
| 02.01 - 04.00 | 227 | 28 | 93 | 23 | 629 | 1000 | 5950 | 14286 | 1326 |
| 04.01 - 10.00 | 142 | 57 | 280 | 49 | 473 | 1000 | 3776 | 4792 | 443 |
| 10.01 & above | 86 | 46 | 475 | - | 392 | 1000 | 1475 | 782 | 51 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | | |
|-----|-----|----|----|----|-----|------|-------|--------|-------|
| all | 216 | 55 | 97 | 16 | 616 | 1000 | 29845 | 126783 | 10794 |
|-----|-----|----|----|----|-----|------|-------|--------|-------|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| | | | | | | | | | India |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| fodder | | | | | | | | | |
| nil (< 0.01) | 624 | 73 | 91 | - | 212 | 1000 | 170 | 406 | 32 |
| 00.01 - 00.20 | 625 | 111 | 9 | 0 | 254 | 1000 | 448 | 3842 | 261 |
| 00.21 - 00.50 | 608 | 38 | 41 | 8 | 305 | 1000 | 1885 | 13309 | 873 |
| 00.51 - 01.00 | 597 | 67 | 48 | 2 | 286 | 1000 | 3754 | 18862 | 1070 |
| 01.01 - 02.00 | 534 | 73 | 97 | 2 | 294 | 1000 | 6916 | 22033 | 1259 |
| 02.01 - 04.00 | 436 | 66 | 227 | 18 | 254 | 1000 | 7888 | 16466 | 946 |
| 04.01 - 10.00 | 328 | 60 | 423 | 18 | 171 | 1000 | 7925 | 9893 | 579 |
| 10.01 & above | 452 | 20 | 458 | 5 | 65 | 1000 | 3147 | 1876 | 122 |
| all | 464 | 60 | 234 | 11 | 230 | 1000 | 32133 | 86687 | 5142 |
| fruits & nuts | | | | | | | | | |
| nil (< 0.01) | 426 | - | - | - | 574 | 1000 | 93 | 491 | 46 |
| 00.01 - 00.20 | 49 | 6 | 3 | - | 942 | 1000 | 660 | 15550 | 1011 |
| 00.21 - 00.50 | 102 | 15 | 14 | 1 | 868 | 1000 | 1263 | 7284 | 579 |
| 00.51 - 01.00 | 81 | 37 | 10 | 2 | 870 | 1000 | 2047 | 6824 | 539 |
| 01.01 - 02.00 | 131 | 30 | 44 | 16 | 779 | 1000 | 2395 | 5315 | 440 |
| 02.01 - 04.00 | 107 | 108 | 87 | 6 | 692 | 1000 | 2247 | 2613 | 223 |
| 04.01 - 10.00 | 119 | 36 | 240 | 94 | 510 | 1000 | 2263 | 1252 | 71 |
| 10.01 & above | 366 | - | 197 | 0 | 437 | 1000 | 1181 | 394 | 19 |
| all | 134 | 41 | 92 | 22 | 711 | 1000 | 12150 | 39723 | 2928 |
| other cash crops | | | | | | | | | |
| nil (< 0.01) | 275 | 96 | 413 | - | 217 | 1000 | 260 | 452 | 69 |
| 00.01 - 00.20 | 390 | 80 | 36 | 1 | 493 | 1000 | 1917 | 12100 | 754 |
| 00.21 - 00.50 | 242 | 71 | 32 | 17 | 639 | 1000 | 3538 | 14125 | 893 |
| 00.51 - 01.00 | 208 | 101 | 30 | 8 | 654 | 1000 | 7801 | 18614 | 1063 |
| 01.01 - 02.00 | 245 | 78 | 55 | 9 | 612 | 1000 | 15948 | 21696 | 1206 |
| 02.01 - 04.00 | 289 | 84 | 84 | 9 | 534 | 1000 | 20863 | 16710 | 905 |
| 04.01 - 10.00 | 300 | 90 | 201 | 11 | 397 | 1000 | 29021 | 11851 | 668 |
| 10.01 & above | 215 | 36 | 405 | 22 | 321 | 1000 | 13610 | 2399 | 142 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | |
|-----|-----|----|-----|----|-----|------|-------|-------|------|
| all | 268 | 79 | 156 | 12 | 486 | 1000 | 92959 | 97948 | 5700 |
|-----|-----|----|-----|----|-----|------|-------|-------|------|

Table (5.1): Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

| | | | | | | | | | India |
|--|------------------------------------|--------|------------------|--------|-------------|------|--------------------------|---|--------|
| size-class of ownership holding (ha) | mode of use of tractor for tilling | | | | | | estd. area (00 ha) | no. of hhs. reporting cultivation of a crop in the crop-group | |
| | by hired tractor | | by other tractor | | not used | all | | estd.(00) | sample |
| | entirely | partly | entirely | partly | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| others | | | | | | | | | |
| nil (< 0.01) | 338 | 119 | 52 | 16 | 476 | 1000 | 159 | 473 | 80 |
| 00.01 - 00.20 | 245 | 9 | 169 | - | 576 | 1000 | 330 | 5842 | 424 |
| 00.21 - 00.50 | 322 | 110 | 16 | 0 | 552 | 1000 | 956 | 5160 | 381 |
| 00.51 - 01.00 | 290 | 33 | 25 | 8 | 644 | 1000 | 2306 | 6972 | 525 |
| 01.01 - 02.00 | 253 | 110 | 125 | 11 | 501 | 1000 | 3369 | 6676 | 480 |
| 02.01 - 04.00 | 250 | 78 | 111 | 5 | 555 | 1000 | 4449 | 4981 | 355 |
| 04.01 - 10.00 | 456 | 48 | 221 | 15 | 260 | 1000 | 4725 | 2833 | 226 |
| 10.01 & above | 373 | 4 | 345 | - | 278 | 1000 | 1420 | 563 | 35 |
| all | 325 | 65 | 146 | 9 | 455 | 1000 | 17715 | 33501 | 2506 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (6): Cropwise break-up of average area under five major crops* sown by a field-crop cultivator household, by size-class of household ownership holding

| size-class of ownership holding (ha) | average area sown (ha) by crops | | | | | | | | | no. of field-crop cultivator hhs. | |
|--|---------------------------------|-------------|-------|---------|--------|-------|--------|--------|-------|--------------------------------------|--------|
| | paddy | | wheat | other | pulses | oil- | fodder | others | all | estd. (00) | sample |
| | <i>kharif</i> | <i>rabi</i> | | cereals | | seeds | | | (10) | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Andhra Pradesh | | | | | | | | | | | |
| nil (< 0.01) | 0.45 | 0.20 | - | 0.30 | 0.10 | 0.16 | 0.01 | 0.14 | 1.36 | 816 | 35 |
| 00.01 - 00.20 | 0.12 | 0.05 | 0.00 | 0.03 | 0.01 | 0.02 | - | 0.03 | 0.25 | 4366 | 203 |
| 00.21 - 00.50 | 0.21 | 0.05 | - | 0.04 | 0.05 | 0.05 | 0.00 | 0.08 | 0.49 | 12989 | 627 |
| 00.51 - 01.00 | 0.34 | 0.10 | 0.00 | 0.09 | 0.07 | 0.09 | 0.00 | 0.16 | 0.87 | 12848 | 596 |
| 01.01 - 02.00 | 0.56 | 0.18 | 0.01 | 0.19 | 0.14 | 0.21 | 0.02 | 0.32 | 1.63 | 10837 | 499 |
| 02.01 - 04.00 | 0.76 | 0.27 | 0.01 | 0.29 | 0.22 | 0.41 | 0.03 | 0.73 | 2.72 | 7035 | 347 |
| 04.01 - 10.00 | 1.30 | 0.54 | 0.03 | 0.56 | 0.55 | 0.91 | 0.06 | 1.53 | 5.53 | 3455 | 164 |
| 10.01 & above | 2.63 | 0.20 | - | 1.18 | 0.70 | 5.43 | - | 3.40 | 13.54 | 495 | 25 |
| all | 0.48 | 0.15 | 0.01 | 0.16 | 0.13 | 0.25 | 0.01 | 0.36 | 1.56 | 52840 | 2496 |
| Arunachal Pradesh | | | | | | | | | | | |
| nil (< 0.01) | 0.13 | 0.39 | - | 0.00 | 0.01 | 0.00 | - | 0.15 | 0.70 | 203 | 70 |
| 00.01 - 00.20 | 0.02 | 0.03 | - | 0.01 | 0.00 | - | - | 0.06 | 0.12 | 79 | 34 |
| 00.21 - 00.50 | 0.15 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.09 | 0.32 | 190 | 81 |
| 00.51 - 01.00 | 0.24 | 0.01 | 0.03 | 0.08 | 0.01 | 0.00 | - | 0.15 | 0.53 | 221 | 108 |
| 01.01 - 02.00 | 0.57 | 0.06 | 0.02 | 0.08 | 0.01 | 0.01 | 0.00 | 0.25 | 0.98 | 292 | 125 |
| 02.01 - 04.00 | 0.95 | 0.15 | 0.13 | 0.17 | 0.06 | 0.02 | - | 0.37 | 1.86 | 165 | 90 |
| 04.01 - 10.00 | 0.92 | - | 0.02 | 0.25 | 0.05 | 0.01 | - | 0.50 | 1.75 | 161 | 86 |
| 10.01 & above | 3.98 | - | - | 0.60 | 0.15 | 0.02 | - | 0.86 | 5.60 | 11 | 8 |
| all | 0.47 | 0.10 | 0.03 | 0.09 | 0.02 | 0.01 | 0.00 | 0.23 | 0.96 | 1321 | 602 |
| Assam | | | | | | | | | | | |
| nil (< 0.01) | 0.16 | 0.07 | 0.01 | 0.00 | - | 0.00 | - | 0.13 | 0.37 | 552 | 63 |
| 00.01 - 00.20 | 0.04 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | - | 0.07 | 0.13 | 3132 | 307 |
| 00.21 - 00.50 | 0.20 | 0.05 | 0.02 | 0.00 | 0.01 | 0.01 | 0.00 | 0.11 | 0.41 | 4041 | 432 |
| 00.51 - 01.00 | 0.51 | 0.13 | 0.03 | 0.01 | 0.03 | 0.03 | 0.00 | 0.16 | 0.90 | 6940 | 603 |
| 01.01 - 02.00 | 1.04 | 0.20 | 0.03 | 0.02 | 0.05 | 0.03 | 0.00 | 0.24 | 1.59 | 6968 | 582 |
| 02.01 - 04.00 | 1.86 | 0.46 | 0.11 | 0.04 | 0.15 | 0.05 | 0.01 | 0.42 | 3.10 | 2536 | 205 |
| 04.01 - 10.00 | 3.69 | 0.43 | 0.52 | 0.08 | 0.33 | 0.07 | - | 0.95 | 6.09 | 520 | 42 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|-------|------|
| all | 0.75 | 0.16 | 0.04 | 0.01 | 0.05 | 0.02 | 0.00 | 0.21 | 1.24 | 24689 | 2234 |
|-----|------|------|------|------|------|------|------|------|------|-------|------|

Table (6): Cropwise break-up of average area under five major crops* sown by a field-crop cultivator household, by size-class of household ownership holding

| size-class of ownership holding (ha) | average area sown (ha) by crops | | | | | | | | | no. of field-crop cultivator hhs. | |
|--|---------------------------------|-------------|-------|---------|--------|-------|--------|--------|-------|--------------------------------------|--------|
| | paddy | | wheat | other | pulses | oil- | fodder | others | all | estd. | sample |
| | <i>khariif</i> | <i>rabi</i> | | cereals | | seeds | | | (10) | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Bihar | | | | | | | | | | | |
| nil (< 0.01) | 0.56 | - | 0.14 | 0.17 | 0.03 | 0.00 | - | 0.10 | 1.00 | 3743 | 197 |
| 00.01 - 00.20 | 0.10 | 0.00 | 0.07 | 0.02 | 0.01 | 0.00 | 0.00 | 0.01 | 0.22 | 19828 | 1015 |
| 00.21 - 00.50 | 0.30 | 0.01 | 0.19 | 0.04 | 0.03 | 0.01 | 0.00 | 0.04 | 0.61 | 23571 | 1234 |
| 00.51 - 01.00 | 0.60 | 0.02 | 0.35 | 0.08 | 0.08 | 0.01 | 0.00 | 0.07 | 1.21 | 20184 | 976 |
| 01.01 - 02.00 | 1.04 | 0.02 | 0.61 | 0.14 | 0.17 | 0.03 | 0.00 | 0.10 | 2.13 | 15932 | 781 |
| 02.01 - 04.00 | 2.01 | 0.05 | 1.22 | 0.24 | 0.29 | 0.08 | 0.01 | 0.23 | 4.13 | 6811 | 331 |
| 04.01 - 10.00 | 3.51 | 0.06 | 2.24 | 0.37 | 0.61 | 0.22 | 0.02 | 0.46 | 7.49 | 2313 | 111 |
| 10.01 & above | 12.68 | - | 9.74 | 1.33 | 3.19 | 1.34 | 0.06 | 0.97 | 29.32 | 278 | 14 |
| all | 0.70 | 0.01 | 0.43 | 0.09 | 0.10 | 0.03 | 0.00 | 0.08 | 1.45 | 92660 | 4659 |
| Gujarat | | | | | | | | | | | |
| nil (< 0.01) | 0.21 | - | - | 0.07 | - | - | 0.12 | 0.36 | 0.75 | 151 | 5 |
| 00.01 - 00.20 | 0.05 | 0.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.21 | 0.38 | 1224 | 68 |
| 00.21 - 00.50 | 0.09 | 0.01 | 0.11 | 0.19 | 0.03 | 0.04 | 0.02 | 0.10 | 0.58 | 7372 | 382 |
| 00.51 - 01.00 | 0.18 | 0.02 | 0.19 | 0.34 | 0.07 | 0.08 | 0.04 | 0.16 | 1.09 | 5864 | 287 |
| 01.01 - 02.00 | 0.16 | 0.02 | 0.32 | 0.53 | 0.12 | 0.26 | 0.06 | 0.40 | 1.87 | 6566 | 338 |
| 02.01 - 04.00 | 0.27 | 0.04 | 0.44 | 0.77 | 0.27 | 0.62 | 0.15 | 0.94 | 3.47 | 5532 | 282 |
| 04.01 - 10.00 | 0.35 | - | 0.62 | 0.91 | 0.21 | 1.58 | 0.29 | 2.43 | 6.40 | 3742 | 200 |
| 10.01 & above | - | - | 0.59 | 2.56 | 0.16 | 3.01 | 0.92 | 6.05 | 13.29 | 529 | 30 |
| all | 0.18 | 0.02 | 0.30 | 0.51 | 0.12 | 0.43 | 0.10 | 0.71 | 2.38 | 30981 | 1592 |
| Haryana | | | | | | | | | | | |
| nil (< 0.01) | 0.74 | - | 1.33 | - | - | - | 0.17 | 0.22 | 2.45 | 109 | 5 |
| 00.01 - 00.20 | 0.40 | - | 1.01 | 0.12 | 0.03 | 0.09 | 0.23 | 0.51 | 2.38 | 573 | 27 |
| 00.21 - 00.50 | 0.17 | - | 0.40 | 0.12 | 0.03 | 0.06 | 0.13 | 0.13 | 1.05 | 1851 | 90 |
| 00.51 - 01.00 | 0.23 | - | 0.61 | 0.19 | 0.05 | 0.09 | 0.21 | 0.21 | 1.58 | 1839 | 85 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|-------|-------|-----|
| 01.01 - 02.00 | 0.43 | 0.02 | 0.96 | 0.27 | 0.15 | 0.21 | 0.27 | 0.29 | 2.61 | 2973 | 138 |
| 02.01 - 04.00 | 0.81 | 0.04 | 1.74 | 0.42 | 0.27 | 0.27 | 0.41 | 0.50 | 4.46 | 2362 | 116 |
| 04.01 - 10.00 | 1.54 | - | 2.92 | 0.61 | 0.41 | 0.70 | 0.68 | 1.01 | 7.87 | 1613 | 77 |
| 10.01 & above | 5.88 | - | 8.13 | 1.26 | 0.41 | 0.67 | 1.00 | 2.82 | 20.17 | 229 | 13 |
| all | 0.70 | 0.02 | 1.39 | 0.32 | 0.17 | 0.25 | 0.34 | 0.46 | 3.64 | 11548 | 551 |

**Note*

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (6): Cropwise break-up of average area under five major crops* sown by a field-crop cultivator household, by size-class of household ownership holding

| size-class of ownership holding (ha) | average area sown (ha) by crops | | | | | | | | | no. of field-crop cultivator hhs. | |
|--|---------------------------------|-------------|-------|---------|--------|-------|--------|--------|------|--------------------------------------|--------|
| | paddy | | wheat | other | pulses | oil- | fodder | others | all | estd. (00) | sample |
| | <i>kharif</i> | <i>rabi</i> | | cereals | | seeds | | | (10) | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Himachal Pradesh | | | | | | | | | | | |
| nil (< 0.01) | 0.00 | - | 0.34 | 0.34 | - | 0.01 | - | 0.07 | 0.75 | 45 | 8 |
| 00.01 - 00.20 | 0.03 | 0.00 | 0.09 | 0.08 | 0.00 | 0.00 | 0.00 | 0.01 | 0.21 | 1691 | 322 |
| 00.21 - 00.50 | 0.06 | 0.00 | 0.23 | 0.19 | 0.01 | 0.01 | 0.01 | 0.05 | 0.55 | 2939 | 550 |
| 00.51 - 01.00 | 0.07 | 0.00 | 0.44 | 0.34 | 0.02 | 0.01 | 0.01 | 0.12 | 1.01 | 2208 | 404 |
| 01.01 - 02.00 | 0.14 | 0.00 | 0.72 | 0.55 | 0.04 | 0.02 | 0.03 | 0.27 | 1.76 | 1277 | 241 |
| 02.01 - 04.00 | 0.15 | - | 1.21 | 0.94 | 0.03 | 0.02 | 0.03 | 0.44 | 2.83 | 522 | 99 |
| 04.01 - 10.00 | 0.17 | - | 1.95 | 1.87 | 0.17 | 0.08 | 0.12 | 0.64 | 4.99 | 108 | 22 |
| 10.01 & above | 0.21 | - | 1.17 | 1.23 | 0.01 | 0.19 | - | 0.33 | 3.14 | 35 | 7 |
| all | 0.07 | 0.00 | 0.41 | 0.33 | 0.02 | 0.01 | 0.01 | 0.12 | 0.97 | 8825 | 1653 |
| Jammu & Kashmir | | | | | | | | | | | |
| nil (< 0.01) | 0.12 | - | 0.11 | 0.05 | 0.04 | 0.01 | - | 0.12 | 0.45 | 11 | 4 |
| 00.01 - 00.20 | 0.07 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.01 | 0.07 | 0.22 | 1039 | 218 |
| 00.21 - 00.50 | 0.20 | 0.00 | 0.07 | 0.05 | 0.00 | 0.10 | 0.02 | 0.07 | 0.52 | 2807 | 578 |
| 00.51 - 01.00 | 0.28 | 0.01 | 0.25 | 0.15 | 0.02 | 0.09 | 0.05 | 0.23 | 1.09 | 1978 | 392 |
| 01.01 - 02.00 | 0.54 | 0.02 | 0.66 | 0.30 | 0.07 | 0.08 | 0.09 | 0.26 | 2.03 | 997 | 242 |
| 02.01 - 04.00 | 0.96 | 0.02 | 1.48 | 0.55 | 0.16 | 0.18 | 0.15 | 0.28 | 3.79 | 353 | 84 |
| 04.01 - 10.00 | 2.31 | - | 2.51 | 0.75 | 0.18 | 0.18 | 0.40 | 0.59 | 6.92 | 51 | 17 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | - | - |
| all | 0.30 | 0.01 | 0.28 | 0.14 | 0.03 | 0.09 | 0.05 | 0.16 | 1.04 | 7236 | 1535 |
| Karnataka | | | | | | | | | | | |
| nil (< 0.01) | 0.00 | - | - | 0.27 | - | 0.27 | - | 0.13 | 0.67 | 146 | 7 |
| 00.01 - 00.20 | 0.03 | 0.01 | 0.00 | 0.06 | 0.01 | 0.01 | - | 0.04 | 0.16 | 2826 | 137 |
| 00.21 - 00.50 | 0.06 | 0.01 | 0.01 | 0.18 | 0.06 | 0.03 | 0.00 | 0.08 | 0.43 | 6735 | 322 |
| 00.51 - 01.00 | 0.14 | 0.02 | 0.01 | 0.32 | 0.11 | 0.08 | 0.00 | 0.21 | 0.89 | 10269 | 445 |
| 01.01 - 02.00 | 0.25 | 0.03 | 0.02 | 0.55 | 0.20 | 0.23 | 0.01 | 0.38 | 1.67 | 12321 | 522 |
| 02.01 - 04.00 | 0.32 | 0.07 | 0.05 | 1.19 | 0.37 | 0.42 | 0.01 | 0.64 | 3.08 | 7165 | 308 |
| 04.01 - 10.00 | 0.33 | 0.13 | 0.10 | 2.35 | 0.73 | 1.02 | 0.04 | 1.16 | 5.87 | 4250 | 184 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|-------|-------|------|
| 10.01 & above | 0.84 | - | 0.39 | 6.20 | 2.15 | 3.50 | 0.14 | 2.64 | 15.85 | 656 | 28 |
| all | 0.21 | 0.04 | 0.03 | 0.77 | 0.25 | 0.31 | 0.01 | 0.42 | 2.04 | 44369 | 1953 |

**Note*

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (6): Cropwise break-up of average area under five major crops* sown by a field-crop cultivator household, by size-class of household ownership holding

| size-class of ownership holding (ha) | average area sown (ha) by crops | | | | | | | | | no. of field-crop cultivator hhs. | |
|--|---------------------------------|-------------|-------|---------|--------|-------|--------|--------|-------|--------------------------------------|--------|
| | paddy | | wheat | other | pulses | oil- | fodder | others | all | estd. (00) | sample |
| | <i>kharif</i> | <i>rabi</i> | | cereals | | seeds | | | (10) | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Kerala | | | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | 0.02 | 0.02 | 75 | 4 |
| 00.01 - 00.20 | 0.00 | 0.00 | - | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.06 | 22100 | 1401 |
| 00.21 - 00.50 | 0.04 | 0.02 | 0.00 | 0.02 | - | 0.02 | - | 0.21 | 0.30 | 6402 | 419 |
| 00.51 - 01.00 | 0.11 | 0.05 | - | 0.01 | - | 0.03 | 0.00 | 0.43 | 0.62 | 3374 | 201 |
| 01.01 - 02.00 | 0.10 | 0.05 | - | 0.00 | 0.01 | 0.04 | 0.00 | 0.85 | 1.05 | 1976 | 116 |
| 02.01 - 04.00 | 0.40 | 0.18 | - | 0.05 | 0.01 | 0.10 | - | 1.34 | 2.08 | 485 | 29 |
| 04.01 - 10.00 | 0.76 | 0.14 | - | - | - | 0.56 | - | 3.17 | 4.63 | 170 | 10 |
| 10.01 & above | 5.37 | - | - | - | - | 0.11 | - | 5.88 | 11.36 | 32 | 2 |
| all | 0.04 | 0.01 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.20 | 0.28 | 34615 | 2182 |
| Madhya Pradesh | | | | | | | | | | | |
| nil (< 0.01) | 0.51 | - | 0.28 | 0.15 | 0.30 | 0.30 | 0.02 | 0.25 | 1.82 | 421 | 21 |
| 00.01 - 00.20 | 0.10 | 0.00 | 0.04 | 0.01 | 0.02 | 0.02 | 0.00 | 0.02 | 0.21 | 2467 | 139 |
| 00.21 - 00.50 | 0.21 | 0.01 | 0.13 | 0.03 | 0.03 | 0.06 | 0.00 | 0.03 | 0.51 | 9680 | 539 |
| 00.51 - 01.00 | 0.36 | 0.01 | 0.27 | 0.08 | 0.10 | 0.16 | 0.00 | 0.08 | 1.06 | 15036 | 774 |
| 01.01 - 02.00 | 0.58 | 0.01 | 0.52 | 0.17 | 0.20 | 0.33 | 0.01 | 0.16 | 1.98 | 21560 | 1108 |
| 02.01 - 04.00 | 0.88 | 0.02 | 0.87 | 0.38 | 0.36 | 0.64 | 0.02 | 0.34 | 3.52 | 18818 | 954 |
| 04.01 - 10.00 | 1.36 | 0.04 | 2.11 | 0.87 | 0.96 | 1.59 | 0.05 | 0.77 | 7.75 | 8158 | 434 |
| 10.01 & above | 2.22 | 0.06 | 4.97 | 2.19 | 2.25 | 5.92 | 0.18 | 1.50 | 19.29 | 1028 | 62 |
| all | 0.65 | 0.02 | 0.72 | 0.28 | 0.30 | 0.54 | 0.02 | 0.25 | 2.77 | 77168 | 4031 |
| Maharashtra | | | | | | | | | | | |
| nil (< 0.01) | 0.17 | - | - | 0.66 | 0.05 | - | - | 0.11 | 0.98 | 178 | 7 |
| 00.01 - 00.20 | 0.07 | 0.00 | 0.01 | 0.03 | 0.00 | 0.01 | 0.00 | 0.09 | 0.21 | 3913 | 188 |
| 00.21 - 00.50 | 0.16 | 0.00 | 0.01 | 0.12 | 0.02 | 0.01 | 0.01 | 0.06 | 0.40 | 8349 | 399 |
| 00.51 - 01.00 | 0.18 | 0.01 | 0.05 | 0.31 | 0.05 | 0.04 | 0.01 | 0.18 | 0.83 | 12111 | 559 |
| 01.01 - 02.00 | 0.19 | 0.01 | 0.10 | 0.59 | 0.14 | 0.08 | 0.01 | 0.40 | 1.53 | 15774 | 739 |
| 02.01 - 04.00 | 0.26 | 0.00 | 0.19 | 1.10 | 0.29 | 0.16 | 0.03 | 0.67 | 2.71 | 11295 | 527 |
| 04.01 - 10.00 | 0.30 | - | 0.41 | 1.95 | 0.60 | 0.41 | 0.02 | 1.74 | 5.42 | 6238 | 287 |
| 10.01 & above | 0.27 | - | 0.95 | 4.37 | 1.20 | 0.74 | 0.15 | 4.95 | 12.64 | 883 | 40 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|-------|------|
| all | 0.20 | 0.00 | 0.14 | 0.73 | 0.19 | 0.12 | 0.02 | 0.55 | 1.94 | 58740 | 2746 |
|-----|------|------|------|------|------|------|------|------|------|-------|------|

Table (6): Cropwise break-up of average area under five major crops* sown by a field-crop cultivator household, by size-class of household ownership holding

| size-class of ownership holding (ha) | average area sown (ha) by crops | | | | | | | | | no. of field-crop cultivator hhs. | |
|--|---------------------------------|-------------|-------|---------|--------|-------|--------|--------|------|--------------------------------------|--------|
| | paddy | | wheat | other | pulses | oil- | fodder | others | all | estd. | sample |
| | <i>kharij</i> | <i>rabi</i> | | cereals | | seeds | | | (00) | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Manipur | | | | | | | | | | | |
| nil (< 0.01) | 0.38 | 0.46 | - | 0.02 | 0.03 | 0.02 | - | 0.22 | 1.13 | 198 | 80 |
| 00.01 - 00.20 | 0.02 | 0.01 | - | 0.00 | 0.00 | - | - | 0.05 | 0.08 | 189 | 57 |
| 00.21 - 00.50 | 0.20 | 0.07 | - | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.33 | 483 | 174 |
| 00.51 - 01.00 | 0.49 | 0.10 | - | 0.00 | 0.01 | 0.00 | 0.00 | 0.07 | 0.68 | 832 | 256 |
| 01.01 - 02.00 | 0.86 | 0.16 | 0.00 | 0.02 | 0.02 | - | - | 0.10 | 1.17 | 353 | 140 |
| 02.01 - 04.00 | 1.62 | 0.30 | - | 0.00 | 0.05 | - | - | 0.19 | 2.16 | 76 | 34 |
| 04.01 - 10.00 | 2.39 | - | - | - | - | - | - | 0.40 | 2.79 | 10 | 6 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | - | - |
| all | 0.48 | 0.13 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.09 | 0.73 | 2139 | 747 |
| Meghalaya | | | | | | | | | | | |
| nil (< 0.01) | 0.07 | - | - | - | - | - | - | 0.06 | 0.13 | 17 | 6 |
| 00.01 - 00.20 | 0.09 | - | 0.00 | 0.01 | 0.00 | - | - | 0.16 | 0.27 | 385 | 121 |
| 00.21 - 00.50 | 0.12 | 0.01 | 0.00 | 0.03 | 0.00 | - | - | 0.23 | 0.39 | 782 | 210 |
| 00.51 - 01.00 | 0.32 | 0.06 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.40 | 0.83 | 796 | 225 |
| 01.01 - 02.00 | 0.51 | 0.02 | - | 0.08 | 0.00 | 0.00 | - | 0.66 | 1.28 | 605 | 193 |
| 02.01 - 04.00 | 0.90 | 0.03 | 0.00 | 0.12 | - | - | 0.00 | 1.15 | 2.21 | 425 | 136 |
| 04.01 - 10.00 | 2.61 | 0.06 | - | 0.19 | - | - | - | 1.39 | 4.25 | 92 | 29 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | - | - |
| all | 0.42 | 0.03 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.51 | 1.02 | 3103 | 920 |
| Mizoram | | | | | | | | | | | |
| nil (< 0.01) | 0.25 | 0.02 | - | - | 0.03 | - | 0.00 | 0.41 | 0.72 | 104 | 72 |
| 00.01 - 00.20 | 0.34 | 0.07 | - | 0.02 | 0.02 | - | 0.00 | 0.29 | 0.74 | 339 | 263 |
| 00.21 - 00.50 | 0.39 | 0.01 | - | 0.01 | 0.01 | 0.00 | - | 0.29 | 0.72 | 43 | 45 |

*Note

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | | | |
|---------------|------|------|---|------|------|------|------|------|------|-----|-----|
| 00.51 - 01.00 | 0.26 | 0.04 | - | 0.02 | 0.03 | 0.00 | 0.00 | 0.52 | 0.88 | 55 | 47 |
| 01.01 - 02.00 | 0.44 | 0.01 | - | 0.01 | 0.02 | 0.00 | - | 0.61 | 1.08 | 66 | 54 |
| 02.01 - 04.00 | 0.88 | 0.02 | - | 0.02 | 0.12 | - | - | 0.73 | 1.77 | 14 | 16 |
| 04.01 - 10.00 | 1.73 | - | - | - | - | - | - | 0.27 | 2.00 | 3 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | - | - |
| all | 0.35 | 0.05 | - | 0.01 | 0.03 | 0.00 | 0.00 | 0.38 | 0.81 | 624 | 500 |

Table (6): Cropwise break-up of average area under five major crops* sown by a field-crop cultivator household, by size-class of household ownership holding

| size-class of ownership holding (ha) | average area sown (ha) by crops | | | | | | | | no. of field-crop cultivator hhs. | | |
|--|---------------------------------|-------------|-------|---------|--------|-------|--------|--------|--------------------------------------|-------|--------|
| | paddy | | wheat | other | pulses | oil- | fodder | others | all | estd. | sample |
| | <i>kharif</i> | <i>rabi</i> | | cereals | | seeds | | | | (00) | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Nagaland | | | | | | | | | | | |
| nil (< 0.01) | 0.73 | 0.49 | - | 0.16 | 0.01 | 0.09 | 0.02 | 0.12 | 1.63 | 16 | 13 |
| 00.01 - 00.20 | 0.04 | 0.00 | - | 0.03 | 0.00 | 0.01 | - | 0.03 | 0.12 | 24 | 20 |
| 00.21 - 00.50 | 0.11 | 0.02 | - | 0.02 | 0.00 | 0.00 | 0.00 | 0.11 | 0.27 | 37 | 47 |
| 00.51 - 01.00 | 0.31 | 0.11 | 0.03 | 0.10 | 0.02 | 0.01 | 0.00 | 0.22 | 0.80 | 77 | 71 |
| 01.01 - 02.00 | 0.67 | 0.38 | 0.01 | 0.15 | 0.02 | 0.03 | 0.00 | 0.33 | 1.59 | 190 | 177 |
| 02.01 - 04.00 | 1.06 | 0.69 | 0.00 | 0.25 | 0.03 | 0.01 | 0.02 | 0.41 | 2.47 | 329 | 356 |
| 04.01 - 10.00 | 3.29 | 0.36 | 0.02 | 0.26 | 0.22 | - | 0.01 | 2.75 | 7.00 | 127 | 136 |
| 10.01 & above | 5.95 | - | - | 0.75 | 0.20 | - | - | 4.85 | 11.75 | 7 | 8 |
| all | 1.21 | 0.45 | 0.01 | 0.20 | 0.06 | 0.01 | 0.01 | 0.75 | 2.71 | 807 | 828 |
| Orissa | | | | | | | | | | | |
| nil (< 0.01) | 0.24 | 0.01 | - | 0.01 | 0.01 | 0.04 | - | 0.01 | 0.32 | 198 | 20 |
| 00.01 - 00.20 | 0.16 | 0.01 | - | 0.01 | 0.01 | 0.00 | - | 0.01 | 0.19 | 5949 | 326 |
| 00.21 - 00.50 | 0.33 | 0.02 | 0.00 | 0.01 | 0.03 | 0.00 | - | 0.01 | 0.41 | 12133 | 657 |
| 00.51 - 01.00 | 0.67 | 0.03 | 0.00 | 0.02 | 0.06 | 0.01 | - | 0.03 | 0.82 | 10803 | 553 |
| 01.01 - 02.00 | 1.13 | 0.05 | 0.00 | 0.06 | 0.12 | 0.03 | 0.00 | 0.05 | 1.44 | 7280 | 378 |
| 02.01 - 04.00 | 2.19 | 0.09 | - | 0.06 | 0.30 | 0.01 | - | 0.05 | 2.70 | 2881 | 146 |
| 04.01 - 10.00 | 4.69 | 0.27 | 0.02 | 0.17 | 0.69 | 0.06 | - | 0.01 | 5.90 | 609 | 32 |
| 10.01 & above | 9.03 | - | - | - | 1.11 | - | - | 1.37 | 11.50 | 122 | 3 |
| all | 0.77 | 0.03 | 0.00 | 0.03 | 0.08 | 0.01 | 0.00 | 0.03 | 0.96 | 39975 | 2115 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Punjab

| | | | | | | | | | | | |
|---------------|------|------|-------|------|------|------|------|------|-------|-------|-----|
| nil (< 0.01) | 0.93 | - | 2.00 | - | - | - | 0.79 | 1.38 | 5.10 | 50 | 5 |
| 00.01 - 00.20 | 0.10 | 0.01 | 0.19 | 0.04 | - | - | 0.12 | 0.03 | 0.48 | 482 | 47 |
| 00.21 - 00.50 | 0.17 | 0.00 | 0.24 | 0.04 | - | 0.01 | 0.20 | 0.04 | 0.69 | 1130 | 99 |
| 00.51 - 01.00 | 0.53 | 0.01 | 0.80 | 0.10 | 0.00 | 0.01 | 0.35 | 0.16 | 1.97 | 1462 | 122 |
| 01.01 - 02.00 | 0.83 | 0.04 | 1.18 | 0.04 | 0.01 | 0.01 | 0.38 | 0.39 | 2.88 | 2909 | 254 |
| 02.01 - 04.00 | 1.70 | 0.04 | 2.33 | 0.08 | 0.01 | 0.03 | 0.54 | 0.58 | 5.32 | 2202 | 190 |
| 04.01 - 10.00 | 2.94 | 0.13 | 4.55 | 0.14 | 0.02 | 0.04 | 0.84 | 1.82 | 10.48 | 1575 | 133 |
| 10.01 & above | 6.00 | 0.34 | 11.51 | 0.05 | - | 0.01 | 1.15 | 5.32 | 24.38 | 377 | 33 |
| all | 1.38 | 0.06 | 2.13 | 0.07 | 0.01 | 0.02 | 0.48 | 0.75 | 4.90 | 10188 | 883 |

Table (6): Cropwise break-up of average area under five major crops* sown by a field-crop cultivator household, by size-class of household ownership holding

| size-class of Ownership holding (ha) | average area sown (ha) by crops | | | | | | | | no. of field-crop cultivator hhs. | | |
|--|---------------------------------|-------------|-------|---------|--------|-------|--------|--------|--------------------------------------|-------|--------|
| | paddy | | wheat | other | pulses | oil- | fodder | others | all | estd. | sample |
| (1) | <i>khariif</i> | <i>rabi</i> | (4) | cereals | (6) | seeds | (8) | (9) | (10) | (00) | (12) |

Rajasthan

| | | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|-------|-------|------|
| nil (< 0.01) | - | - | 0.58 | 0.95 | 0.62 | 0.76 | 0.08 | 0.23 | 3.22 | 306 | 19 |
| 00.01 - 00.20 | 0.00 | - | 0.18 | 0.12 | 0.07 | 0.13 | 0.02 | 0.18 | 0.70 | 2073 | 110 |
| 00.21 - 00.50 | 0.02 | 0.00 | 0.24 | 0.29 | 0.03 | 0.04 | 0.01 | 0.06 | 0.70 | 7782 | 415 |
| 00.51 - 01.00 | 0.03 | 0.00 | 0.29 | 0.39 | 0.08 | 0.12 | 0.04 | 0.14 | 1.11 | 8603 | 445 |
| 01.01 - 02.00 | 0.03 | 0.00 | 0.48 | 0.71 | 0.15 | 0.27 | 0.07 | 0.30 | 2.01 | 11017 | 583 |
| 02.01 - 04.00 | 0.03 | 0.01 | 0.83 | 1.27 | 0.40 | 0.49 | 0.10 | 0.67 | 3.79 | 9684 | 539 |
| 04.01 - 10.00 | 0.03 | 0.01 | 1.29 | 2.29 | 0.94 | 0.77 | 0.27 | 1.59 | 7.19 | 7914 | 451 |
| 10.01 & above | - | - | 2.27 | 5.18 | 2.68 | 1.71 | 0.61 | 3.55 | 16.00 | 2009 | 124 |
| All | 0.03 | 0.01 | 0.67 | 1.11 | 0.40 | 0.39 | 0.11 | 0.64 | 3.35 | 49388 | 2686 |

Sikkim

| | | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|------|-----|-----|
| nil (< 0.01) | 0.09 | - | 0.00 | 0.25 | 0.02 | 0.01 | 0.01 | 0.16 | 0.53 | 60 | 76 |
| 00.01 - 00.20 | 0.03 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.08 | 0.23 | 95 | 111 |
| 00.21 - 00.50 | 0.04 | 0.01 | 0.01 | 0.19 | 0.01 | 0.01 | 0.01 | 0.12 | 0.40 | 180 | 216 |
| 00.51 - 01.00 | 0.11 | - | 0.01 | 0.34 | 0.03 | 0.01 | 0.02 | 0.23 | 0.74 | 123 | 136 |
| 01.01 - 02.00 | 0.21 | - | 0.02 | 0.54 | 0.04 | 0.00 | 0.04 | 0.48 | 1.34 | 85 | 92 |
| 02.01 - 04.00 | 0.35 | - | 0.04 | 0.79 | 0.03 | - | 0.08 | 1.04 | 2.33 | 38 | 42 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|------|-----|-----|
| 04.01 - 10.00 | 0.21 | - | 0.05 | 2.42 | - | - | 0.01 | 1.19 | 3.89 | 3 | 4 |
| 10.01 & above | 2.03 | - | - | 1.86 | - | - | - | 1.22 | 5.11 | 1 | 1 |
| All | 0.11 | 0.00 | 0.01 | 0.32 | 0.02 | 0.01 | 0.02 | 0.26 | 0.75 | 586 | 678 |

Tamil Nadu

| | | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|-------|-------|------|
| nil (< 0.01) | 0.22 | - | - | 0.00 | 0.05 | 0.05 | - | 0.10 | 0.42 | 707 | 41 |
| 00.01 - 00.20 | 0.07 | 0.03 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.02 | 0.16 | 4184 | 247 |
| 00.21 - 00.50 | 0.14 | 0.08 | 0.00 | 0.06 | 0.02 | 0.02 | 0.01 | 0.09 | 0.43 | 10470 | 610 |
| 00.51 - 01.00 | 0.24 | 0.19 | 0.00 | 0.11 | 0.04 | 0.05 | 0.01 | 0.21 | 0.86 | 8949 | 487 |
| 01.01 - 02.00 | 0.43 | 0.24 | 0.00 | 0.25 | 0.09 | 0.08 | 0.04 | 0.42 | 1.55 | 5976 | 321 |
| 02.01 - 04.00 | 0.63 | 0.35 | 0.02 | 0.45 | 0.11 | 0.25 | 0.02 | 0.78 | 2.61 | 2684 | 136 |
| 04.01 - 10.00 | 1.31 | 0.77 | - | 1.00 | 0.41 | 0.31 | 0.00 | 1.18 | 4.99 | 966 | 42 |
| 10.01 & above | 2.44 | - | - | - | 0.42 | 2.57 | 0.98 | 5.81 | 12.22 | 49 | 3 |
| All | 0.29 | 0.17 | 0.00 | 0.16 | 0.06 | 0.07 | 0.01 | 0.27 | 1.03 | 33985 | 1887 |

Table (6): Cropwise break-up of average area under five major crops* sown by a field-crop cultivator household, by size-class of household ownership holding

| size-class of ownership holding (ha) | average area sown (ha) by crops | | | | | | | | | no. of field-crop cultivator hhs. | |
|--|---------------------------------|-------------|-------|---------|--------|-------|--------|--------|------|--------------------------------------|--------|
| | paddy | | wheat | other | pulses | oil- | fodder | others | all | estd. | sample |
| | <i>khariif</i> | <i>rabi</i> | | cereals | | seeds | | | | (00) | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |

Tripura

| | | | | | | | | | | | |
|---------------|------|------|------|------|---|---|---|------|------|------|-----|
| nil (< 0.01) | 0.33 | 0.00 | - | - | - | - | - | 0.02 | 0.35 | 43 | 8 |
| 00.01 - 00.20 | 0.06 | 0.02 | 0.00 | 0.00 | - | - | - | 0.04 | 0.13 | 490 | 110 |
| 00.21 - 00.50 | 0.16 | 0.15 | 0.01 | - | - | - | - | 0.04 | 0.35 | 910 | 187 |
| 00.51 - 01.00 | 0.42 | 0.22 | 0.04 | - | - | - | - | 0.11 | 0.79 | 652 | 134 |
| 01.01 - 02.00 | 0.92 | 0.32 | 0.07 | - | - | - | - | 0.16 | 1.48 | 215 | 40 |
| 02.01 - 04.00 | 1.13 | 0.61 | 0.03 | - | - | - | - | 0.29 | 2.06 | 71 | 16 |
| 04.01 - 10.00 | 3.25 | 0.41 | - | - | - | - | - | 0.37 | 4.04 | 8 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | - | - |
| all | 0.32 | 0.17 | 0.02 | 0.00 | - | - | - | 0.08 | 0.59 | 2389 | 497 |

Uttar Pradesh

| | | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|------|-------|------|
| nil (< 0.01) | 0.25 | - | 0.59 | 0.21 | 0.24 | 0.11 | 0.01 | 0.16 | 1.57 | 599 | 29 |
| 00.01 - 00.20 | 0.09 | 0.00 | 0.11 | 0.02 | 0.02 | 0.00 | 0.01 | 0.02 | 0.27 | 30448 | 1426 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|-------|--------|------|
| 00.21 - 00.50 | 0.18 | 0.00 | 0.24 | 0.06 | 0.03 | 0.01 | 0.02 | 0.05 | 0.59 | 50848 | 2087 |
| 00.51 - 01.00 | 0.33 | 0.01 | 0.48 | 0.12 | 0.07 | 0.03 | 0.04 | 0.13 | 1.22 | 40361 | 1665 |
| 01.01 - 02.00 | 0.52 | 0.01 | 0.79 | 0.22 | 0.14 | 0.08 | 0.09 | 0.27 | 2.12 | 29586 | 1205 |
| 02.01 - 04.00 | 0.84 | 0.02 | 1.45 | 0.44 | 0.28 | 0.15 | 0.19 | 0.57 | 3.95 | 14076 | 606 |
| 04.01 - 10.00 | 1.34 | 0.07 | 2.71 | 0.87 | 0.90 | 0.32 | 0.24 | 1.16 | 7.60 | 5049 | 226 |
| 10.01 & above | 2.55 | - | 4.45 | 1.45 | 2.24 | 0.80 | 0.73 | 1.90 | 14.11 | 396 | 19 |
| all | 0.35 | 0.01 | 0.55 | 0.16 | 0.11 | 0.05 | 0.06 | 0.18 | 1.46 | 171362 | 7263 |

West Bengal

| | | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|------|-------|------|
| nil (< 0.01) | 0.64 | 0.03 | 0.02 | - | 0.00 | 0.00 | - | 0.21 | 0.91 | 1976 | 87 |
| 00.01 - 00.20 | 0.10 | 0.03 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.04 | 0.19 | 15261 | 758 |
| 00.21 - 00.50 | 0.26 | 0.09 | 0.03 | 0.00 | 0.01 | 0.02 | 0.00 | 0.07 | 0.47 | 19727 | 972 |
| 00.51 - 01.00 | 0.57 | 0.16 | 0.06 | 0.01 | 0.01 | 0.04 | - | 0.20 | 1.05 | 14715 | 650 |
| 01.01 - 02.00 | 1.06 | 0.24 | 0.12 | 0.00 | 0.02 | 0.06 | - | 0.33 | 1.86 | 6730 | 302 |
| 02.01 - 04.00 | 2.05 | 0.46 | 0.25 | 0.03 | 0.04 | 0.11 | - | 0.49 | 3.43 | 2164 | 97 |
| 04.01 - 10.00 | 2.44 | 0.99 | 0.34 | - | 0.37 | 0.49 | - | 2.14 | 6.78 | 191 | 9 |
| 10.01 & above | 0.40 | - | 0.20 | - | - | - | - | 2.86 | 3.46 | 24 | 1 |
| all | 0.47 | 0.12 | 0.05 | 0.00 | 0.01 | 0.03 | 0.00 | 0.15 | 0.84 | 60788 | 2876 |

Table (6): Cropwise break-up of average area under five major crops* sown by a field-crop cultivator household, by size-class of household ownership holding

| size-class of ownership holding (ha) | average area sown (ha) by crops | | | | | | | | | no. of field-crop cultivator hhs. | |
|--|---------------------------------|-------------|-------|---------|--------|-------|--------|--------|------|--------------------------------------|--------|
| | paddy | | wheat | other | pulses | oil- | fodder | others | all | estd. (00) | sample |
| | <i>kharif</i> | <i>rabi</i> | | cereals | | seeds | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |

A. & N. Islands

| | | | | | | | | | | | |
|---------------|------|------|---|---|------|---|---|------|------|-----|-----|
| nil (< 0.01) | 0.85 | - | - | - | - | - | - | 0.30 | 1.15 | 33 | 25 |
| 00.01 - 00.20 | 0.00 | - | - | - | - | - | - | 0.02 | 0.02 | 9 | 8 |
| 00.21 - 00.50 | 0.20 | - | - | - | 0.12 | - | - | 0.04 | 0.36 | 5 | 7 |
| 00.51 - 01.00 | 0.43 | - | - | - | 0.06 | - | - | 0.07 | 0.57 | 17 | 16 |
| 01.01 - 02.00 | 0.81 | 0.01 | - | - | 0.08 | - | - | 0.13 | 1.03 | 22 | 21 |
| 02.01 - 04.00 | 1.96 | - | - | - | 0.32 | - | - | 0.07 | 2.35 | 20 | 20 |
| 04.01 - 10.00 | 2.55 | - | - | - | 0.30 | - | - | 0.16 | 3.02 | 6 | 5 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | - | - |
| all | 0.97 | 0.00 | - | - | 0.10 | - | - | 0.15 | 1.22 | 113 | 102 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

India

| | | | | | | | | | | | |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|--------------|
| nil (< 0.01) | 0.44 | 0.04 | 0.14 | 0.14 | 0.07 | 0.06 | 0.02 | 0.15 | 1.06 | 10806 | 914 |
| 00.01 - 00.20 | 0.08 | 0.01 | 0.05 | 0.02 | 0.01 | 0.01 | 0.00 | 0.04 | 0.22 | 123414 | 7726 |
| 00.21 - 00.50 | 0.19 | 0.02 | 0.12 | 0.07 | 0.03 | 0.02 | 0.01 | 0.06 | 0.53 | 191767 | 11440 |
| 00.51 - 01.00 | 0.36 | 0.05 | 0.22 | 0.14 | 0.06 | 0.05 | 0.02 | 0.14 | 1.04 | 180495 | 10274 |
| 01.01 - 02.00 | 0.55 | 0.06 | 0.38 | 0.28 | 0.14 | 0.14 | 0.04 | 0.28 | 1.87 | 162612 | 9215 |
| 02.01 - 04.00 | 0.81 | 0.08 | 0.71 | 0.59 | 0.29 | 0.33 | 0.08 | 0.55 | 3.44 | 97772 | 5712 |
| 04.01 - 10.00 | 1.06 | 0.10 | 1.36 | 1.28 | 0.69 | 0.82 | 0.17 | 1.35 | 6.82 | 47354 | 2716 |
| 10.01 & above | 1.96 | 0.04 | 3.04 | 3.32 | 1.76 | 2.48 | 0.44 | 3.37 | 16.41 | 7168 | 422 |
| all | 0.42 | 0.04 | 0.35 | 0.28 | 0.14 | 0.16 | 0.04 | 0.28 | 1.72 | 821388 | 48419 |

**Note*

1. Paddy: *kharij* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7): Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

| crop group | use of improved seeds | | | | | | | | | | no. of hhs. using improved seeds | |
|--------------------------|-----------------------|-----------|-------------------|-----------|------------------|-----------|----------------------|-----------|------------|-------------|----------------------------------|-------------|
| | certified seeds | | uncertified seeds | | home-grown seeds | | other improved seeds | | not used | all | estd. (00) | sample |
| | entirely | partly | entirely | partly | entirely | partly | entirely | partly | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Andhra Pradesh | | | | | | | | | | | | |
| Paddy(kharif) | 307 | 48 | 126 | 32 | 167 | 73 | 30 | 2 | 214 | 1000 | 22383 | 1046 |
| Paddy(rabi) | 409 | 11 | 82 | 7 | 101 | 41 | 70 | - | 279 | 1000 | 5778 | 242 |
| wheat | 507 | - | 45 | - | 107 | 1 | - | - | 340 | 1000 | 181 | 10 |
| other cereals | 270 | 19 | 94 | 31 | 129 | 145 | 2 | 1 | 310 | 1000 | 7525 | 381 |
| pulses | 324 | 32 | 88 | 40 | 165 | 48 | 13 | - | 290 | 1000 | 5859 | 277 |
| oil seeds | 154 | 82 | 100 | 5 | 31 | 12 | 15 | - | 600 | 1000 | 4878 | 246 |
| mixed crop | 70 | 226 | 4 | 18 | 23 | 3 | - | - | 656 | 1000 | 1163 | 50 |
| sugar cane | 264 | 0 | 123 | 38 | 128 | 3 | 116 | 0 | 327 | 1000 | 1493 | 71 |
| vegetables | 345 | 64 | 142 | 45 | 33 | 37 | 12 | - | 321 | 1000 | 1305 | 64 |
| fodder | 228 | - | 94 | - | 9 | 77 | - | 54 | 538 | 1000 | 432 | 19 |
| fruits & nuts | 239 | 44 | 115 | - | 23 | - | 30 | 19 | 531 | 1000 | 708 | 32 |
| other cash crops | 454 | 33 | 123 | 24 | 86 | 19 | 7 | 1 | 254 | 1000 | 6827 | 328 |
| others | 260 | 12 | 80 | 6 | 27 | 18 | 41 | - | 557 | 1000 | 874 | 47 |
| all crops | 290 | 51 | 102 | 23 | 109 | 51 | 24 | 2 | 347 | 1000 | 36800 | 1756 |
| Arunachal Pradesh | | | | | | | | | | | | |
| Paddy(kharif) | 3 | 9 | 0 | 6 | 139 | 36 | 0 | 19 | 788 | 1000 | 205 | 117 |
| Paddy(rabi) | - | 315 | - | - | - | 46 | - | - | 639 | 1000 | 58 | 11 |
| wheat | 330 | - | - | - | 601 | 2 | - | - | 67 | 1000 | 68 | 34 |
| other cereals | 71 | - | - | 3 | 187 | 8 | - | 8 | 723 | 1000 | 157 | 86 |
| pulses | 38 | - | - | - | 316 | 11 | 69 | 13 | 553 | 1000 | 94 | 52 |
| oil seeds | 42 | - | - | - | - | 144 | - | - | 814 | 1000 | 4 | 2 |
| mixed crop | 28 | - | - | 4 | 6 | 4 | 14 | 1 | 944 | 1000 | 90 | 57 |
| sugar cane | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| vegetables | 154 | 10 | - | 6 | 36 | 6 | 19 | 158 | 612 | 1000 | 250 | 127 |
| fodder | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| fruits & nuts | - | 9 | - | 5 | - | - | - | 49 | 937 | 1000 | 5 | 5 |
| other cash crops | 91 | - | - | 14 | - | 4 | - | - | 892 | 1000 | 27 | 18 |
| others | - | - | - | 1 | - | - | - | 5 | 994 | 1000 | 2 | 2 |
| all crops | 36 | 37 | 0 | 5 | 114 | 25 | 4 | 23 | 757 | 1000 | 360 | 187 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7): Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

| crop group | use of improved seeds | | | | | | | | | | no. of hhs. using improved seeds | |
|------------------|-----------------------|--------|-------------------|--------|------------------|--------|----------------------|--------|----------|------|----------------------------------|--------|
| | certified seeds | | uncertified seeds | | home-grown seeds | | other improved seeds | | not used | all | estd. (00) | sample |
| | entirely | partly | entirely | partly | entirely | partly | entirely | partly | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Assam | | | | | | | | | | | | |
| Paddy(kharif) | 66 | 62 | 15 | 77 | 53 | 116 | 6 | 12 | 592 | 1000 | 7003 | 585 |
| Paddy(rabi) | 8 | 49 | 21 | 33 | 18 | 145 | 84 | 20 | 622 | 1000 | 1511 | 139 |
| wheat | 172 | 81 | 110 | 333 | 92 | 13 | - | 2 | 197 | 1000 | 1789 | 167 |
| other cereals | 28 | 29 | 5 | 339 | 62 | 14 | 23 | - | 500 | 1000 | 424 | 39 |
| pulses | 46 | 10 | 9 | 159 | 1 | 29 | - | 1 | 745 | 1000 | 907 | 83 |
| oil seeds | 128 | 110 | 18 | 16 | 33 | 22 | 4 | 4 | 665 | 1000 | 590 | 47 |
| mixed crop | 56 | - | - | - | 801 | 87 | - | - | 57 | 1000 | 143 | 13 |
| sugar cane | 456 | 7 | - | - | - | 8 | - | - | 529 | 1000 | 217 | 13 |
| vegetables | 120 | 82 | 20 | 108 | 52 | 36 | 9 | 15 | 559 | 1000 | 6317 | 567 |
| fodder | 133 | - | - | - | - | 220 | - | 43 | 604 | 1000 | 44 | 4 |
| fruits & nuts | 67 | 172 | - | 6 | 43 | 18 | - | 11 | 683 | 1000 | 157 | 17 |
| other cash crops | 385 | 68 | 124 | 225 | 4 | 21 | - | 48 | 125 | 1000 | 316 | 32 |
| others | 215 | 56 | 17 | 364 | 120 | 16 | 1 | 8 | 202 | 1000 | 1764 | 158 |
| all crops | 78 | 61 | 20 | 96 | 49 | 96 | 16 | 12 | 571 | 1000 | 11149 | 959 |
| Bihar | | | | | | | | | | | | |
| Paddy(kharif) | 110 | 48 | 20 | 74 | 95 | 73 | 5 | 8 | 566 | 1000 | 31203 | 1579 |
| Paddy(rabi) | 170 | - | 59 | 180 | 237 | 56 | 7 | 4 | 285 | 1000 | 2221 | 67 |
| wheat | 208 | 73 | 36 | 108 | 119 | 58 | 10 | 8 | 380 | 1000 | 34054 | 1723 |
| other cereals | 136 | 31 | 31 | 77 | 102 | 70 | 6 | 10 | 536 | 1000 | 11633 | 552 |
| pulses | 87 | 32 | 36 | 43 | 83 | 35 | 4 | 6 | 674 | 1000 | 7778 | 372 |
| oil seeds | 141 | 42 | 10 | 72 | 26 | 91 | 2 | 1 | 615 | 1000 | 2483 | 130 |
| mixed crop | 20 | 3 | 10 | 93 | 99 | 100 | - | 9 | 666 | 1000 | 1026 | 55 |
| sugar cane | 77 | 1 | 81 | 192 | 167 | 219 | - | 2 | 261 | 1000 | 1467 | 81 |
| vegetables | 255 | 61 | 36 | 52 | 12 | 52 | 30 | 4 | 498 | 1000 | 9073 | 469 |
| fodder | 51 | 3 | 8 | - | 162 | 19 | - | 23 | 733 | 1000 | 378 | 23 |
| fruits & nuts | 178 | 117 | - | - | 16 | 90 | - | - | 599 | 1000 | 332 | 17 |
| other cash crops | 425 | 102 | 7 | 26 | 5 | 0 | 6 | 6 | 418 | 1000 | 1792 | 77 |
| Others | 2 | - | 317 | - | 0 | - | 3 | - | 678 | 1000 | 141 | 4 |
| all crops | 145 | 52 | 28 | 83 | 99 | 66 | 7 | 8 | 512 | 1000 | 43820 | 2200 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7): Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

| crop group | use of improved seeds | | | | | | | | | no. of hhs. using improved seeds | | |
|------------------|-----------------------|-----------|-------------------|-----------|------------------|------------|----------------------|----------|------------|----------------------------------|--------------|-------------|
| | certified seeds | | uncertified seeds | | home-grown seeds | | other improved seeds | | not used | all | estd. (00) | sample |
| | entirely | partly | entirely | partly | entirely | partly | entirely | partly | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
| Gujarat | | | | | | | | | | | | |
| Paddy(kharif) | 420 | 138 | 22 | 29 | 107 | 50 | - | - | 234 | 1000 | 4932 | 239 |
| Paddy(rabi) | 435 | 39 | 128 | - | 141 | 29 | 17 | - | 210 | 1000 | 687 | 30 |
| wheat | 480 | 156 | 29 | 3 | 84 | 152 | - | - | 96 | 1000 | 9545 | 490 |
| other cereals | 540 | 80 | 28 | 13 | 118 | 77 | - | 1 | 144 | 1000 | 15905 | 803 |
| pulses | 563 | 50 | 3 | 1 | 119 | 78 | - | - | 186 | 1000 | 4813 | 257 |
| oil seeds | 519 | 30 | 22 | 5 | 54 | 83 | - | - | 286 | 1000 | 7185 | 371 |
| mixed crop | 861 | 47 | 66 | 2 | 18 | - | - | 1 | 5 | 1000 | 2770 | 137 |
| sugar cane | 224 | 351 | 11 | - | 66 | - | - | - | 349 | 1000 | 936 | 48 |
| vegetables | 656 | 101 | 17 | 8 | 118 | 14 | 3 | - | 82 | 1000 | 1764 | 82 |
| fodder | 259 | 24 | 36 | 5 | 123 | 49 | - | - | 505 | 1000 | 3840 | 194 |
| fruits & nuts | 364 | 86 | 64 | - | 299 | - | 9 | - | 179 | 1000 | 312 | 12 |
| other cash crops | 744 | 18 | 56 | 28 | 36 | 91 | - | 12 | 16 | 1000 | 7829 | 403 |
| others | 256 | - | 15 | 178 | 437 | 12 | - | - | 102 | 1000 | 488 | 22 |
| all crops | 556 | 74 | 33 | 13 | 82 | 79 | 0 | 2 | 161 | 1000 | 25275 | 1293 |
| Haryana | | | | | | | | | | | | |
| Paddy(kharif) | 544 | 27 | 147 | 28 | 51 | 71 | 1 | - | 132 | 1000 | 3504 | 154 |
| Paddy(rabi) | 543 | - | 166 | 55 | - | - | - | - | 237 | 1000 | 87 | 3 |
| wheat | 343 | 18 | 109 | 55 | 148 | 154 | 10 | 0 | 161 | 1000 | 7385 | 340 |
| other cereals | 645 | 34 | 41 | - | 38 | 60 | - | - | 182 | 1000 | 2797 | 138 |
| pulses | 68 | - | 6 | - | 39 | 156 | - | - | 726 | 1000 | 719 | 35 |
| oil seeds | 562 | - | 102 | - | 40 | 92 | 7 | - | 196 | 1000 | 2166 | 112 |
| mixed crop | - | 786 | - | - | - | 214 | - | - | - | 1000 | 97 | 4 |
| sugar cane | 187 | 4 | - | 3 | 55 | 18 | 27 | - | 706 | 1000 | 355 | 14 |
| vegetables | 543 | 32 | 67 | 15 | 122 | 55 | - | - | 166 | 1000 | 627 | 29 |
| fodder | 90 | 40 | 144 | 74 | 39 | 79 | 42 | 10 | 481 | 1000 | 4227 | 183 |
| fruits & nuts | - | - | - | - | - | - | - | - | - | - | - | - |
| other cash crops | 450 | - | 202 | 177 | 16 | 48 | - | - | 107 | 1000 | 1593 | 66 |
| others | 254 | 30 | 335 | 227 | 31 | 15 | 5 | - | 104 | 1000 | 788 | 34 |
| all crops | 389 | 22 | 121 | 53 | 82 | 104 | 9 | 1 | 218 | 1000 | 9180 | 424 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7): Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

| Crop group | use of improved seeds | | | | | | | | | no. of hhs. using improved seeds | | |
|----------------------------|-----------------------|-----------|-------------------|-----------|------------------|------------|----------------------|-----------|------------|----------------------------------|-------------|-------------|
| | certified seeds | | uncertified seeds | | home-grown seeds | | other improved seeds | | not used | all | estd. (00) | sample |
| | entirely | partly | entirely | partly | entirely | partly | entirely | partly | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Himachal Pradesh | | | | | | | | | | | | |
| Paddy(kharif) | 128 | 18 | 13 | 35 | 112 | 51 | - | 2 | 641 | 1000 | 922 | 161 |
| Paddy(rabi) | 313 | - | - | - | - | - | - | - | 687 | 1000 | 15 | 2 |
| wheat | 165 | 14 | 10 | 17 | 44 | 73 | 0 | 5 | 671 | 1000 | 2611 | 484 |
| other cereals | 123 | 11 | 9 | 15 | 33 | 69 | 1 | 6 | 733 | 1000 | 2038 | 381 |
| pulses | 100 | 43 | - | 22 | 56 | 36 | - | - | 743 | 1000 | 224 | 43 |
| oil seeds | 54 | 3 | - | 7 | 8 | 2 | - | 6 | 920 | 1000 | 109 | 20 |
| mixed crop | 69 | - | - | 48 | - | - | - | - | 883 | 1000 | 19 | 4 |
| sugar cane | - | - | - | - | - | 10 | - | - | 990 | 1000 | 6 | 1 |
| vegetables | 422 | 52 | 17 | 27 | 79 | 15 | - | - | 388 | 1000 | 939 | 183 |
| fodder | 49 | 3 | 30 | 31 | 89 | 61 | - | 3 | 734 | 1000 | 301 | 56 |
| fruits & nuts | 119 | - | - | - | 16 | 9 | 255 | - | 601 | 1000 | 215 | 41 |
| other cash crops | 306 | 3 | 42 | - | 37 | 95 | - | - | 517 | 1000 | 484 | 88 |
| others | 127 | 32 | - | 19 | - | 20 | - | - | 802 | 1000 | 130 | 26 |
| all crops | 151 | 13 | 10 | 17 | 44 | 64 | 13 | 4 | 683 | 1000 | 3385 | 634 |
| Jammu & Kashmir | | | | | | | | | | | | |
| Paddy(kharif) | 182 | 62 | 1 | 85 | 178 | 168 | 1 | 16 | 308 | 1000 | 3270 | 723 |
| Paddy(rabi) | 437 | - | - | - | 443 | 43 | - | - | 77 | 1000 | 181 | 31 |
| wheat | 277 | 70 | 0 | 13 | 189 | 122 | 0 | 51 | 277 | 1000 | 1743 | 453 |
| other cereals | 131 | 26 | - | 33 | 207 | 93 | - | 19 | 492 | 1000 | 1048 | 214 |
| pulses | 117 | 13 | - | - | 316 | 134 | 1 | 19 | 399 | 1000 | 646 | 146 |
| oil seeds | 32 | 15 | 1 | 63 | 378 | 40 | 1 | 11 | 459 | 1000 | 1102 | 230 |
| mixed crop | - | - | 16 | 52 | 193 | 712 | - | - | 28 | 1000 | 114 | 29 |
| sugar cane | 251 | - | 619 | - | 64 | - | - | - | 66 | 1000 | 32 | 11 |
| vegetables | 47 | 24 | 16 | 27 | 457 | 44 | 0 | 6 | 380 | 1000 | 1697 | 375 |
| fodder | 186 | 84 | 56 | 53 | 92 | 112 | 7 | 39 | 370 | 1000 | 1238 | 335 |
| fruits & nuts | 246 | 34 | 4 | 42 | 246 | 106 | 3 | 6 | 313 | 1000 | 931 | 163 |
| other cash crops | - | - | - | 170 | - | 453 | - | 136 | 240 | 1000 | 68 | 9 |
| others | 204 | - | - | - | 85 | 286 | 26 | 194 | 205 | 1000 | 395 | 98 |
| all crops | 184 | 49 | 5 | 46 | 221 | 124 | 2 | 29 | 341 | 1000 | 4652 | 1005 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7): Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

| crop group | use of improved seeds | | | | | | | | | no. of hhs. using improved seeds | | |
|------------------|-----------------------|-----------|-------------------|-----------|------------------|-----------|----------------------|----------|------------|----------------------------------|--------------|-------------|
| | certified seeds | | uncertified seeds | | home-grown seeds | | other improved seeds | | not used | all | estd. (00) | sample |
| | entirely | partly | entirely | partly | entirely | partly | entirely | partly | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Karnataka | | | | | | | | | | | | |
| Paddy(kharif) | 440 | 32 | 19 | 30 | 112 | 57 | 66 | 8 | 235 | 1000 | 8164 | 372 |
| Paddy(rabi) | 218 | 36 | 12 | 29 | 271 | 101 | - | - | 333 | 1000 | 1271 | 58 |
| wheat | 132 | 100 | - | - | 84 | 89 | 27 | - | 569 | 1000 | 754 | 30 |
| other cereals | 453 | 23 | 29 | 23 | 81 | 60 | 10 | 1 | 319 | 1000 | 17306 | 769 |
| pulses | 123 | 17 | 23 | 29 | 180 | 131 | 4 | 1 | 493 | 1000 | 5657 | 247 |
| oil seeds | 469 | 21 | 51 | 22 | 49 | 71 | 2 | - | 315 | 1000 | 5961 | 257 |
| mixed crop | 352 | 38 | 6 | 2 | 82 | 35 | 3 | - | 482 | 1000 | 2696 | 124 |
| sugar cane | 203 | - | 44 | 91 | 153 | 83 | 132 | 16 | 278 | 1000 | 1868 | 82 |
| vegetables | 639 | 22 | 2 | 33 | 50 | 14 | 20 | - | 219 | 1000 | 2088 | 96 |
| fodder | 213 | 15 | 17 | - | 11 | 10 | 65 | 58 | 612 | 1000 | 383 | 15 |
| fruits & nuts | 80 | 1 | 44 | 21 | 19 | 4 | 13 | 53 | 765 | 1000 | 752 | 41 |
| other cash crops | 516 | 40 | 25 | 17 | 57 | 7 | 27 | 7 | 304 | 1000 | 5212 | 241 |
| others | 299 | 22 | - | 43 | 23 | 6 | 43 | 23 | 540 | 1000 | 933 | 41 |
| all crops | 391 | 26 | 28 | 24 | 92 | 63 | 19 | 4 | 353 | 1000 | 30578 | 1361 |
| Kerala | | | | | | | | | | | | |
| Paddy(kharif) | 96 | 7 | 31 | 128 | 396 | 89 | 19 | 5 | 230 | 1000 | 2264 | 146 |
| Paddy(rabi) | 130 | - | 70 | 17 | 351 | 96 | 49 | 6 | 281 | 1000 | 1285 | 80 |
| wheat | - | - | 1000 | - | - | - | - | - | - | 1000 | 18 | 1 |
| other cereals | 55 | 17 | - | 9 | 96 | 33 | 22 | - | 768 | 1000 | 390 | 25 |
| pulses | - | - | - | - | 287 | - | - | - | 713 | 1000 | 18 | 1 |
| oil seeds | 0 | 24 | - | 29 | - | 87 | 1 | 1 | 858 | 1000 | 780 | 51 |
| mixed crop | - | 4 | - | - | 28 | 135 | - | 1 | 833 | 1000 | 346 | 25 |
| sugar cane | - | - | - | - | 132 | 18 | - | - | 850 | 1000 | 30 | 2 |
| vegetables | 22 | 41 | 20 | 40 | 98 | 238 | 8 | 7 | 527 | 1000 | 2436 | 147 |
| fodder | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| fruits & nuts | 34 | 4 | 9 | 18 | 33 | 49 | 13 | 13 | 827 | 1000 | 2980 | 186 |
| other cash crops | 131 | 80 | 6 | 20 | 19 | 59 | 9 | 6 | 671 | 1000 | 3593 | 215 |
| others | 0 | 3 | 29 | 4 | 27 | 70 | 58 | 26 | 783 | 1000 | 1070 | 69 |
| all crops | 86 | 40 | 15 | 34 | 97 | 73 | 15 | 7 | 633 | 1000 | 8710 | 546 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7): Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

| crop group | use of improved seeds | | | | | | | | | no. of hhs. using improved seeds | | |
|-----------------------|-----------------------|-----------|-------------------|-----------|------------------|-----------|----------------------|----------|------------|----------------------------------|--------------|-------------|
| | certified seeds | | uncertified seeds | | home-grown seeds | | other improved seeds | | not used | all | estd. (00) | sample |
| | entirely | partly | entirely | partly | entirely | partly | entirely | partly | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Madhya Pradesh | | | | | | | | | | | | |
| Paddy(kharif) | 27 | 7 | 6 | 8 | 95 | 67 | 0 | 3 | 787 | 1000 | 8098 | 408 |
| Paddy(rabi) | 150 | 36 | 74 | 74 | 292 | 66 | - | - | 309 | 1000 | 780 | 40 |
| wheat | 128 | 26 | 12 | 39 | 139 | 100 | 8 | 4 | 543 | 1000 | 16885 | 915 |
| other cereals | 99 | 18 | 3 | 38 | 157 | 173 | 15 | 7 | 491 | 1000 | 7909 | 429 |
| pulses | 85 | 14 | 9 | 29 | 85 | 84 | 1 | 1 | 691 | 1000 | 7394 | 399 |
| oil seeds | 200 | 24 | 23 | 45 | 149 | 62 | 9 | 4 | 484 | 1000 | 12138 | 674 |
| mixed crop | 63 | 24 | 5 | 25 | 150 | 20 | 6 | 1 | 706 | 1000 | 1726 | 99 |
| sugar cane | 70 | 56 | 33 | 175 | 129 | 158 | - | 4 | 375 | 1000 | 465 | 24 |
| vegetables | 251 | 28 | 8 | 25 | 42 | 75 | 0 | 2 | 569 | 1000 | 1753 | 81 |
| fodder | 71 | 1 | 37 | 18 | 15 | 93 | - | 28 | 737 | 1000 | 696 | 39 |
| fruits & nuts | - | - | - | - | 712 | - | - | - | 288 | 1000 | 30 | 2 |
| other cash crops | 465 | 37 | 14 | 41 | 75 | 141 | 48 | 8 | 172 | 1000 | 3630 | 190 |
| others | 148 | 2 | - | 37 | 13 | 80 | 5 | 28 | 687 | 1000 | 462 | 21 |
| all crops | 119 | 19 | 12 | 32 | 124 | 88 | 7 | 4 | 596 | 1000 | 28336 | 1519 |
| Maharashtra | | | | | | | | | | | | |
| Paddy(kharif) | 120 | 32 | 2 | 1 | 166 | 58 | 1 | 8 | 613 | 1000 | 7045 | 327 |
| Paddy(rabi) | 147 | - | - | - | 533 | 126 | 16 | - | 179 | 1000 | 403 | 19 |
| wheat | 498 | 16 | 6 | 1 | 67 | 6 | 1 | - | 405 | 1000 | 6269 | 308 |
| other cereals | 625 | 19 | 11 | 0 | 51 | 6 | 10 | 0 | 277 | 1000 | 25886 | 1205 |
| pulses | 379 | 32 | 3 | 1 | 53 | 15 | 13 | 2 | 502 | 1000 | 7950 | 375 |
| oil seeds | 515 | 15 | 4 | 0 | 52 | - | 8 | 4 | 402 | 1000 | 4257 | 195 |
| mixed crop | 918 | 6 | - | 3 | 3 | - | - | - | 70 | 1000 | 2252 | 111 |
| sugar cane | 408 | 0 | 26 | - | 36 | 8 | 10 | 3 | 509 | 1000 | 1967 | 94 |
| vegetables | 641 | 14 | 7 | - | 105 | 3 | 9 | - | 221 | 1000 | 3165 | 156 |
| fodder | 181 | 2 | 3 | - | 238 | 8 | 1 | - | 567 | 1000 | 712 | 30 |
| fruits & nuts | 610 | 71 | 28 | - | 20 | - | 36 | - | 233 | 1000 | 1584 | 67 |
| other cash crops | 870 | 63 | 8 | 2 | 11 | 3 | 3 | - | 40 | 1000 | 13810 | 626 |
| others | 492 | 24 | - | - | - | - | 10 | - | 474 | 1000 | 360 | 17 |
| all crops | 575 | 28 | 8 | 1 | 58 | 12 | 7 | 1 | 310 | 1000 | 41282 | 1925 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7): Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

| crop group | use of improved seeds | | | | | | | | | no. of hhs. using improved seeds | | |
|------------------|-----------------------|-----------|-------------------|-----------|------------------|------------|----------------------|-----------|------------|----------------------------------|-------------|------------|
| | certified seeds | | uncertified seeds | | home-grown seeds | | other improved seeds | | not used | all | estd. (00) | sample |
| | entirely | partly | entirely | partly | entirely | partly | entirely | partly | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
| Manipur | | | | | | | | | | | | |
| Paddy(kharif) | 324 | 10 | 5 | 14 | 183 | 64 | 45 | 7 | 348 | 1000 | 870 | 287 |
| Paddy(rabi) | 311 | 21 | 25 | 40 | 26 | 242 | - | - | 336 | 1000 | 219 | 63 |
| wheat | - | - | 1000 | - | - | - | - | - | - | 1000 | 2 | 1 |
| other cereals | 362 | - | - | - | 215 | 3 | - | - | 420 | 1000 | 34 | 14 |
| pulses | - | - | - | - | 75 | 603 | - | - | 322 | 1000 | 81 | 25 |
| oil seeds | - | - | - | - | 40 | - | - | - | 960 | 1000 | 3 | 2 |
| mixed crop | 102 | 2 | - | 9 | 362 | 49 | 1 | 1 | 475 | 1000 | 374 | 124 |
| sugar cane | - | - | - | - | - | - | - | - | - | - | - | - |
| vegetables | 90 | 2 | 3 | 7 | 112 | 125 | 1 | 8 | 653 | 1000 | 471 | 163 |
| fodder | - | - | - | - | 442 | - | - | - | 558 | 1000 | 7 | 2 |
| fruits & nuts | - | 16 | - | - | - | 403 | - | 93 | 488 | 1000 | 109 | 39 |
| other cash crops | 217 | - | - | - | - | - | - | - | 783 | 1000 | 7 | 1 |
| others | - | - | - | - | 46 | 16 | - | - | 938 | 1000 | 45 | 15 |
| all crops | 284 | 10 | 8 | 17 | 148 | 106 | 35 | 6 | 385 | 1000 | 1199 | 383 |
| Meghalaya | | | | | | | | | | | | |
| Paddy(kharif) | 8 | - | 15 | 6 | 534 | 73 | 1 | 4 | 359 | 1000 | 1161 | 289 |
| Paddy(rabi) | 54 | - | - | - | 499 | - | - | - | 447 | 1000 | 144 | 44 |
| wheat | 441 | - | - | - | 357 | - | - | - | 201 | 1000 | 14 | 5 |
| other cereals | - | - | - | - | 553 | 37 | - | - | 409 | 1000 | 348 | 91 |
| pulses | 55 | - | - | 34 | 233 | 73 | - | - | 605 | 1000 | 17 | 7 |
| oil seeds | - | - | - | - | 100 | - | - | - | - | 1000 | 11 | 3 |
| mixed crop | 16 | - | - | 6 | 902 | 51 | 6 | - | 17 | 1000 | 831 | 181 |
| sugar cane | - | - | - | - | - | - | - | - | - | - | - | - |
| vegetables | 1 | 0 | 3 | 15 | 298 | 73 | - | 27 | 582 | 1000 | 1142 | 295 |
| fodder | - | - | - | - | 416 | - | - | - | 584 | 1000 | 3 | 1 |
| fruits & nuts | - | - | - | - | 125 | 298 | 7 | 43 | 527 | 1000 | 286 | 91 |
| other cash crops | 41 | 5 | 11 | - | 324 | 244 | - | 87 | 287 | 1000 | 201 | 53 |
| others | - | - | - | - | 275 | 23 | - | 19 | 683 | 1000 | 153 | 52 |
| all crops | 8 | 0 | 7 | 8 | 446 | 87 | 1 | 16 | 426 | 1000 | 1805 | 456 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7): Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

| crop group | use of improved seeds | | | | | | | | | no. of hhs. using improved seeds | | |
|------------------|-----------------------|--------|-------------------|--------|------------------|--------|----------------------|--------|----------|----------------------------------|------------|--------|
| | certified seeds | | uncertified seeds | | home-grown seeds | | other improved seeds | | not used | all | estd. (00) | sample |
| | entirely | partly | entirely | partly | entirely | partly | entirely | partly | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
| Mizoram | | | | | | | | | | | | |
| Paddy(kharif) | - | 1 | 20 | 26 | 281 | 11 | 30 | - | 631 | 1000 | 105 | 79 |
| Paddy(rabi) | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| wheat | - | - | - | - | - | - | - | - | - | - | - | - |
| other cereals | - | - | - | 19 | - | - | - | - | 981 | 1000 | 1 | 2 |
| pulses | - | - | - | - | 26 | - | - | - | 974 | 1000 | 9 | 5 |
| oil seeds | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| mixed crop | - | - | - | 46 | 247 | 17 | 13 | - | 677 | 1000 | 65 | 45 |
| sugar cane | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| vegetables | - | - | - | 3 | 61 | 3 | - | 0 | 933 | 1000 | 23 | 17 |
| fodder | - | - | - | 53 | - | - | - | - | 947 | 1000 | 0 | 1 |
| fruits & nuts | - | - | - | 12 | 183 | - | - | - | 805 | 1000 | 13 | 11 |
| other cash crops | - | - | - | 51 | 50 | 5 | 42 | - | 852 | 1000 | 18 | 15 |
| others | - | - | - | - | 27 | - | - | - | 973 | 1000 | 10 | 6 |
| all crops | - | 0 | 9 | 26 | 196 | 10 | 18 | 0 | 740 | 1000 | 163 | 123 |
| Nagaland | | | | | | | | | | | | |
| Paddy(kharif) | - | - | - | 1 | - | 33 | - | 2 | 964 | 1000 | 13 | 17 |
| Paddy(rabi) | 11 | - | - | 4 | 1 | 5 | - | 0 | 979 | 1000 | 17 | 20 |
| wheat | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| other cereals | - | 17 | - | 1 | - | 81 | - | 2 | 900 | 1000 | 13 | 17 |
| pulses | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| oil seeds | - | 113 | - | - | - | - | - | - | 887 | 1000 | 1 | 1 |
| mixed crop | - | 1 | - | - | - | - | - | 5 | 995 | 1000 | 3 | 3 |
| sugar cane | - | - | - | - | - | - | - | - | - | - | - | - |
| vegetables | - | 1 | - | 0 | - | 41 | - | 0 | 958 | 1000 | 15 | 19 |
| fodder | - | - | - | 5 | - | - | - | - | 995 | 1000 | 1 | 1 |
| fruits & nuts | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| other cash crops | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| others | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| all crops | 2 | 2 | - | 1 | 0 | 26 | - | 2 | 967 | 1000 | 37 | 43 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7): Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

| crop group | use of improved seeds | | | | | | | | | no. of hhs. using improved seeds | | |
|------------------|-----------------------|-----------|-------------------|-----------|------------------|-----------|----------------------|-----------|------------|----------------------------------|--------------|------------|
| | certified seeds | | uncertified seeds | | home-grown seeds | | other improved seeds | | not used | all | estd. (00) | sample |
| | entirely | partly | entirely | partly | entirely | partly | entirely | partly | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Orissa | | | | | | | | | | | | |
| Paddy(kharif) | 57 | 43 | 13 | 8 | 169 | 48 | 6 | 17 | 639 | 1000 | 13298 | 720 |
| Paddy(rabi) | 215 | 7 | 17 | - | 192 | 8 | 111 | 3 | 447 | 1000 | 1437 | 81 |
| wheat | 238 | - | - | - | 299 | - | 7 | - | 456 | 1000 | 163 | 7 |
| other cereals | 8 | - | 37 | - | 330 | - | - | - | 624 | 1000 | 921 | 51 |
| pulses | 125 | 15 | 17 | 2 | 396 | 33 | 4 | - | 409 | 1000 | 3071 | 171 |
| oil seeds | 89 | - | - | 5 | 158 | 69 | 6 | - | 673 | 1000 | 602 | 39 |
| mixed crop | - | - | - | - | - | 903 | - | - | 97 | 1000 | 29 | 1 |
| sugar cane | - | - | 507 | - | 5 | - | - | - | 488 | 1000 | 81 | 4 |
| vegetables | 161 | 26 | 12 | 4 | 199 | 30 | 40 | 6 | 521 | 1000 | 1857 | 98 |
| fodder | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| fruits & nuts | 710 | - | - | - | - | - | - | - | 290 | 1000 | 154 | 9 |
| other cash crops | 804 | 47 | - | - | - | - | 43 | - | 106 | 1000 | 280 | 13 |
| others | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| all crops | 76 | 37 | 14 | 7 | 193 | 43 | 10 | 14 | 605 | 1000 | 15763 | 854 |
| Punjab | | | | | | | | | | | | |
| Paddy(kharif) | 456 | 50 | 50 | 22 | 196 | 51 | 76 | - | 98 | 1000 | 5665 | 486 |
| Paddy(rabi) | 129 | - | 2 | - | 334 | 50 | - | - | 485 | 1000 | 170 | 14 |
| wheat | 257 | 25 | 39 | 25 | 406 | 68 | 56 | - | 125 | 1000 | 7491 | 638 |
| other cereals | 397 | 12 | 2 | 4 | 85 | 37 | 8 | - | 455 | 1000 | 464 | 47 |
| pulses | 432 | - | - | - | - | - | - | - | 568 | 1000 | 57 | 5 |
| oil seeds | 337 | 40 | 27 | - | 135 | 14 | 175 | - | 271 | 1000 | 348 | 33 |
| mixed crop | - | - | 200 | 49 | 128 | - | - | - | 623 | 1000 | 36 | 3 |
| sugar cane | 240 | - | 56 | 77 | 161 | 17 | 104 | - | 345 | 1000 | 254 | 24 |
| vegetables | 143 | - | 142 | 217 | 74 | 407 | 14 | - | 3 | 1000 | 278 | 24 |
| fodder | 252 | 8 | 96 | 23 | 157 | 95 | 74 | 8 | 286 | 1000 | 6740 | 571 |
| fruits & nuts | - | - | - | - | - | 1000 | - | - | - | 1000 | 32 | 1 |
| other cash crops | 661 | 20 | 76 | 11 | 25 | 17 | 5 | - | 184 | 1000 | 1754 | 143 |
| others | 185 | - | - | 6 | 14 | - | - | - | 794 | 1000 | 97 | 8 |
| all crops | 365 | 29 | 52 | 23 | 257 | 62 | 55 | 1 | 156 | 1000 | 8156 | 698 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7): Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

| crop group | use of improved seeds | | | | | | | | | | no. of hhs. using improved seeds | |
|------------------|-----------------------|-----------|-------------------|-----------|------------------|-----------|----------------------|----------|------------|-------------|----------------------------------|-------------|
| | certified seeds | | uncertified seeds | | home-grown seeds | | other improved seeds | | not used | all | estd. (00) | sample |
| | entirely | partly | entirely | partly | entirely | partly | entirely | partly | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Rajasthan | | | | | | | | | | | | |
| Paddy(kharif) | 2 | 153 | - | 73 | - | 83 | - | - | 688 | 1000 | 536 | 24 |
| Paddy(rabi) | 751 | - | 76 | - | - | 28 | - | - | 145 | 1000 | 152 | 8 |
| wheat | 437 | 40 | 27 | 78 | 104 | 92 | 2 | 2 | 218 | 1000 | 19898 | 1110 |
| other cereals | 322 | 27 | 43 | 58 | 117 | 102 | 2 | 2 | 328 | 1000 | 22179 | 1231 |
| pulses | 269 | 41 | 39 | 28 | 141 | 99 | 1 | 3 | 380 | 1000 | 8088 | 458 |
| oil seeds | 425 | 45 | 34 | 52 | 132 | 68 | 2 | 2 | 239 | 1000 | 11868 | 661 |
| mixed crop | 118 | 271 | 8 | 1 | 22 | 106 | - | 7 | 467 | 1000 | 3788 | 200 |
| sugar cane | 460 | 38 | 19 | 47 | 13 | - | - | - | 422 | 1000 | 429 | 23 |
| vegetables | 788 | 34 | 58 | 11 | 57 | 3 | - | - | 48 | 1000 | 807 | 52 |
| fodder | 203 | 14 | 20 | 22 | 186 | 68 | 3 | 1 | 482 | 1000 | 3732 | 223 |
| fruits & nuts | 681 | - | - | 319 | - | - | - | - | - | 1000 | 86 | 5 |
| other cash crops | 459 | 57 | 27 | 142 | 33 | 66 | 1 | 0 | 215 | 1000 | 4377 | 253 |
| others | 175 | 18 | 5 | 54 | 47 | 18 | 17 | 1 | 665 | 1000 | 1621 | 94 |
| all crops | 336 | 56 | 32 | 58 | 104 | 89 | 2 | 2 | 322 | 1000 | 32074 | 1766 |
| Sikkim | | | | | | | | | | | | |
| Paddy(kharif) | 36 | 49 | 17 | - | 3 | 18 | 15 | 5 | 857 | 1000 | 15 | 18 |
| Paddy(rabi) | - | - | - | 40 | - | - | - | - | 960 | 1000 | 1 | 1 |
| wheat | 80 | - | - | 24 | - | 29 | 44 | - | 824 | 1000 | 7 | 7 |
| other cereals | 3 | 16 | - | 3 | 1 | 5 | - | - | 972 | 1000 | 11 | 15 |
| pulses | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| oil seeds | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| mixed crop | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| sugar cane | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| vegetables | 1 | 1 | - | 1 | - | - | - | 0 | 997 | 1000 | 2 | 4 |
| fodder | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| fruits & nuts | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| other cash crops | - | - | - | 3 | - | - | - | - | 997 | 1000 | 1 | 1 |
| others | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| all crops | 8 | 14 | 2 | 3 | 1 | 5 | 3 | 1 | 963 | 1000 | 28 | 33 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7): Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

| crop group | use of improved seeds | | | | | | | | | no. of hhs. using improved seeds | | |
|-------------------|-----------------------|-----------|-------------------|-----------|------------------|-----------|----------------------|-----------|------------|----------------------------------|--------------|-------------|
| | certified seeds | | uncertified seeds | | home-grown seeds | | other improved seeds | | not used | all | estd. (00) | sample |
| | entirely | partly | entirely | partly | entirely | partly | entirely | partly | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Tamil Nadu | | | | | | | | | | | | |
| Paddy(kharif) | 227 | 23 | 108 | 35 | 253 | 50 | 13 | 8 | 283 | 1000 | 9572 | 537 |
| Paddy(rabi) | 207 | 21 | 128 | 3 | 304 | 23 | 10 | - | 304 | 1000 | 6463 | 365 |
| wheat | 358 | - | - | - | 532 | - | - | - | 110 | 1000 | 138 | 8 |
| other cereals | 227 | 24 | 60 | 32 | 253 | 33 | 6 | 8 | 357 | 1000 | 3903 | 209 |
| pulses | 83 | - | 136 | 7 | 429 | 50 | 16 | 6 | 274 | 1000 | 1994 | 113 |
| oil seeds | 381 | 34 | 119 | 11 | 103 | 17 | 17 | 33 | 287 | 1000 | 2326 | 134 |
| mixed crop | 4 | 3 | 20 | 329 | 567 | 9 | 16 | - | 51 | 1000 | 505 | 28 |
| sugar cane | 145 | 15 | 134 | 3 | 183 | 10 | - | 11 | 499 | 1000 | 1285 | 63 |
| vegetables | 262 | 63 | 180 | - | 125 | 23 | - | 2 | 346 | 1000 | 1361 | 70 |
| fodder | 100 | 31 | 159 | - | 47 | 46 | - | - | 617 | 1000 | 368 | 20 |
| fruits & nuts | 62 | 27 | 188 | 135 | 52 | 77 | - | - | 458 | 1000 | 1728 | 102 |
| other cash crops | 269 | 20 | 143 | 55 | 54 | 29 | 127 | 1 | 302 | 1000 | 3455 | 185 |
| others | 215 | 12 | 166 | - | 221 | 26 | - | 2 | 358 | 1000 | 849 | 44 |
| all crops | 213 | 22 | 118 | 34 | 228 | 36 | 20 | 7 | 323 | 1000 | 22197 | 1227 |
| Tripura | | | | | | | | | | | | |
| Paddy(kharif) | 336 | - | 29 | 7 | 202 | 33 | 3 | - | 390 | 1000 | 889 | 165 |
| Paddy(rabi) | 260 | - | 38 | 4 | 276 | 18 | 24 | 43 | 337 | 1000 | 626 | 124 |
| wheat | 711 | - | 35 | - | 158 | 8 | - | - | 89 | 1000 | 111 | 15 |
| other cereals | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| pulses | - | - | - | - | - | - | - | - | - | - | - | - |
| oil seeds | - | - | - | - | - | - | - | - | - | - | - | - |
| mixed crop | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| sugar cane | - | - | - | - | - | - | - | - | - | - | - | - |
| vegetables | 396 | 20 | 18 | 12 | 156 | 14 | 16 | 11 | 357 | 1000 | 503 | 104 |
| fodder | - | - | - | - | - | - | - | - | - | - | - | - |
| fruits & nuts | 64 | - | - | - | - | - | - | - | 936 | 1000 | 8 | 2 |
| other cash crops | - | - | - | - | 192 | - | - | - | 808 | 1000 | 3 | 1 |
| others | 102 | - | - | - | 613 | - | - | - | 285 | 1000 | 7 | 2 |
| all crops | 331 | 2 | 30 | 6 | 214 | 25 | 10 | 14 | 367 | 1000 | 1455 | 280 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7): Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

| crop group | use of improved seeds | | | | | | | | | | no. of hhs. using improved seeds | |
|----------------------|-----------------------|-----------|-------------------|-----------|------------------|-----------|----------------------|----------|------------|-------------|----------------------------------|-------------|
| | certified seeds | | uncertified seeds | | home-grown seeds | | other improved seeds | | not used | all | estd. (00) | sample |
| | entirely | partly | entirely | partly | entirely | partly | entirely | partly | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Uttar Pradesh | | | | | | | | | | | | |
| Paddy(kharif) | 169 | 41 | 18 | 39 | 140 | 89 | 8 | 7 | 489 | 1000 | 46501 | 2085 |
| Paddy(rabi) | 118 | 117 | 0 | 143 | 89 | 171 | - | 1 | 361 | 1000 | 1176 | 51 |
| wheat | 212 | 47 | 25 | 37 | 157 | 89 | 4 | 7 | 421 | 1000 | 72320 | 3219 |
| other cereals | 180 | 41 | 19 | 28 | 88 | 80 | 1 | 2 | 561 | 1000 | 18235 | 767 |
| pulses | 139 | 34 | 12 | 15 | 88 | 46 | 4 | 4 | 658 | 1000 | 13143 | 576 |
| oil seeds | 174 | 32 | 56 | 16 | 135 | 50 | 2 | 1 | 533 | 1000 | 7094 | 308 |
| mixed crop | 90 | 20 | 2 | 16 | 36 | 33 | 0 | 1 | 802 | 1000 | 2389 | 105 |
| sugar cane | 209 | 29 | 32 | 40 | 218 | 97 | 8 | 2 | 365 | 1000 | 14489 | 639 |
| vegetables | 222 | 46 | 69 | 41 | 110 | 47 | 5 | 13 | 447 | 1000 | 10625 | 469 |
| fodder | 143 | 29 | 46 | 49 | 204 | 151 | 2 | 2 | 373 | 1000 | 17294 | 730 |
| fruits & nuts | 84 | 91 | 68 | 22 | 126 | 10 | - | - | 600 | 1000 | 819 | 37 |
| other cash crops | 206 | 10 | 13 | 37 | 176 | 44 | 20 | 29 | 466 | 1000 | 2929 | 121 |
| others | 91 | 66 | 21 | 55 | 104 | 44 | 9 | 2 | 608 | 1000 | 1777 | 80 |
| all crops | 185 | 41 | 24 | 35 | 141 | 84 | 5 | 6 | 479 | 1000 | 78727 | 3505 |
| West Bengal | | | | | | | | | | | | |
| Paddy(kharif) | 104 | 29 | 109 | 36 | 334 | 101 | 11 | 6 | 270 | 1000 | 36866 | 1718 |
| Paddy(rabi) | 190 | 41 | 114 | 39 | 262 | 49 | 8 | 13 | 283 | 1000 | 13724 | 612 |
| wheat | 263 | 9 | 235 | 17 | 152 | 12 | 8 | 9 | 296 | 1000 | 7563 | 338 |
| other cereals | 272 | 84 | 70 | 194 | 37 | 58 | 96 | - | 188 | 1000 | 958 | 41 |
| pulses | 287 | 99 | 66 | 22 | 159 | 47 | 2 | 3 | 307 | 1000 | 1886 | 87 |
| oil seeds | 141 | 12 | 240 | 58 | 186 | 32 | 0 | 13 | 311 | 1000 | 4922 | 228 |
| mixed crop | 204 | - | - | 95 | 23 | 298 | - | - | 380 | 1000 | 347 | 15 |
| sugar cane | 59 | - | 83 | - | 376 | - | 15 | - | 468 | 1000 | 286 | 12 |
| vegetables | 233 | 41 | 181 | 53 | 68 | 78 | 15 | 8 | 321 | 1000 | 11777 | 532 |
| fodder | 24 | - | - | - | - | - | - | - | 976 | 1000 | 3 | 1 |
| fruits & nuts | 78 | 4 | 41 | 14 | 170 | 89 | 10 | - | 559 | 1000 | 625 | 26 |
| other cash crops | 580 | 67 | 65 | 31 | 54 | 60 | 10 | 11 | 122 | 1000 | 9707 | 438 |
| others | 69 | - | 100 | - | 4 | 3 | 7 | - | 817 | 1000 | 635 | 33 |
| all crops | 176 | 33 | 123 | 37 | 255 | 79 | 10 | 8 | 279 | 1000 | 44386 | 2068 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7): Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

| crop group | use of improved seeds | | | | | | | | | no. of hhs. using improved seeds | | |
|----------------------------|-----------------------|-----------|-------------------|----------|------------------|-----------|----------------------|----------|------------|----------------------------------|------------|-----------|
| | certified seeds | | uncertified seeds | | home-grown seeds | | other improved seeds | | not used | all | estd. (00) | sample |
| | entirely | partly | entirely | partly | entirely | partly | entirely | partly | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| A. & N. Islands | | | | | | | | | | | | |
| Paddy(kharif) | 43 | 13 | 39 | - | 322 | 23 | - | - | 560 | 1000 | 30 | 27 |
| Paddy(rabi) | - | - | - | - | - | - | - | - | 1000 | 1000 | - | - |
| wheat | - | - | - | - | - | - | - | - | - | - | - | - |
| other cereals | - | - | - | - | - | - | - | - | - | - | - | - |
| pulses | 202 | - | - | - | - | - | - | - | 798 | 1000 | 12 | 10 |
| oil seeds | - | - | - | - | - | - | - | - | - | - | - | - |
| mixed crop | - | - | - | - | - | - | - | - | - | - | - | - |
| sugar cane | - | - | - | - | - | - | - | - | - | - | - | - |
| vegetables | 116 | - | - | - | 649 | 4 | - | - | 230 | 1000 | 43 | 31 |
| fodder | - | - | - | - | - | - | - | - | - | - | - | - |
| fruits & nuts | - | - | - | - | - | - | - | - | - | - | - | - |
| other cash crops | - | - | - | - | - | - | - | - | - | - | - | - |
| others | - | - | - | - | - | - | - | - | - | - | - | - |
| all crops | 65 | 10 | 30 | - | 335 | 19 | - | - | 540 | 1000 | 70 | 56 |

India

| | | | | | | | | | | | | |
|------------------|------------|-----------|-----------|-----------|------------|-----------|-----------|----------|------------|-------------|---------------|--------------|
| Paddy(kharif) | 157 | 39 | 37 | 37 | 146 | 75 | 12 | 7 | 491 | 1000 | 214805 | 12375 |
| Paddy(rabi) | 226 | 29 | 76 | 31 | 193 | 61 | 34 | 6 | 344 | 1000 | 38469 | 2118 |
| wheat | 248 | 45 | 32 | 50 | 154 | 88 | 10 | 5 | 369 | 1000 | 189030 | 10308 |
| other cereals | 363 | 29 | 28 | 31 | 102 | 77 | 6 | 2 | 362 | 1000 | 140124 | 7520 |
| pulses | 191 | 28 | 25 | 24 | 121 | 70 | 4 | 2 | 534 | 1000 | 70431 | 3748 |
| oil seeds | 314 | 34 | 42 | 30 | 103 | 56 | 7 | 3 | 412 | 1000 | 68831 | 3744 |
| mixed crop | 255 | 112 | 10 | 16 | 64 | 47 | 2 | 2 | 491 | 1000 | 20810 | 1413 |
| sugar cane | 232 | 40 | 44 | 41 | 162 | 68 | 23 | 3 | 388 | 1000 | 25665 | 1207 |
| vegetables | 288 | 46 | 60 | 43 | 86 | 51 | 11 | 8 | 407 | 1000 | 60351 | 4268 |
| fodder | 175 | 21 | 60 | 33 | 146 | 95 | 19 | 7 | 442 | 1000 | 40416 | 2456 |
| fruits & nuts | 195 | 37 | 64 | 31 | 69 | 45 | 23 | 13 | 523 | 1000 | 11901 | 916 |
| other cash crops | 582 | 43 | 47 | 41 | 42 | 45 | 13 | 5 | 182 | 1000 | 67914 | 3517 |
| others | 189 | 21 | 63 | 69 | 59 | 27 | 15 | 7 | 550 | 1000 | 12600 | 873 |
| all crops | 265 | 39 | 37 | 37 | 123 | 71 | 10 | 5 | 413 | 1000 | 449958 | 25386 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (7.1): Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

| size-class of ownership holding(ha) | percentage of area sown with improved seeds | | | | | | | | no. of field-crop cult. hhs. | | |
|---|---|--------------|--------------|------------------|--------------|---------------|--------------|--------------|---------------------------------|---------------|-------------|
| | paddy | | wheat | other cereals | pulses | oil- seeds | fodder | others | all | estd. (00) | sample |
| | kharif | rabi | | | | | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Andhra Pradesh | | | | | | | | | | | |
| nil (< 0.01) | 79.17 | 78.09 | - | 94.01 | 86.11 | 87.20 | - | 43.62 | 79.64 | 816 | 35 |
| 00.01 - 00.20 | 68.69 | 66.40 | - | 34.38 | 46.22 | 46.28 | - | 45.61 | 59.19 | 4366 | 203 |
| 00.21 - 00.50 | 72.28 | 73.36 | - | 67.50 | 54.92 | 48.86 | 80.74 | 61.59 | 66.22 | 12989 | 627 |
| 00.51 - 01.00 | 76.17 | 71.99 | 49.26 | 80.74 | 69.32 | 50.82 | 41.19 | 59.69 | 69.70 | 12848 | 596 |
| 01.01 - 02.00 | 75.88 | 63.96 | 100.00 | 72.02 | 70.49 | 46.63 | 27.91 | 63.29 | 66.90 | 10837 | 499 |
| 02.01 - 04.00 | 81.29 | 73.51 | 17.42 | 73.43 | 74.11 | 42.11 | 61.55 | 71.93 | 70.35 | 7035 | 347 |
| 04.01 - 10.00 | 84.83 | 80.60 | 73.83 | 63.04 | 81.07 | 43.85 | 39.47 | 52.02 | 64.95 | 3455 | 164 |
| 10.01 & above | 83.66 | 44.57 | - | 36.14 | 38.22 | 18.01 | - | 33.04 | 37.55 | 495 | 25 |
| all | 78.57 | 72.13 | 66.01 | 69.01 | 70.96 | 39.95 | 46.19 | 59.08 | 65.26 | 52840 | 2496 |
| Arunachal Pradesh | | | | | | | | | | | |
| nil (< 0.01) | 36.77 | 57.00 | - | 7.56 | - | - | - | 42.25 | 48.20 | 203 | 70 |
| 00.01 - 00.20 | 24.84 | - | - | 15.72 | 100.00 | - | - | 3.01 | 7.24 | 79 | 34 |
| 00.21 - 00.50 | 26.96 | - | 94.06 | 37.87 | 100.00 | - | - | 16.63 | 21.72 | 190 | 81 |
| 00.51 - 01.00 | 14.54 | - | 97.35 | 71.85 | 91.26 | 57.45 | - | 39.60 | 36.70 | 221 | 108 |
| 01.01 - 02.00 | 9.80 | - | 95.10 | 16.46 | 51.65 | - | - | 7.01 | 11.16 | 292 | 125 |
| 02.01 - 04.00 | 34.49 | - | 92.56 | 44.53 | 67.15 | - | - | 15.29 | 33.47 | 165 | 90 |
| 04.01 - 10.00 | 24.46 | - | 85.12 | 6.39 | 21.70 | 52.92 | - | 4.45 | 16.93 | 161 | 86 |
| 10.01 & above | - | - | - | - | - | - | - | 7.65 | 1.17 | 11 | 8 |
| all | 21.18 | 36.09 | 93.33 | 27.69 | 44.68 | 18.65 | - | 15.50 | 24.34 | 1321 | 602 |
| Assam | | | | | | | | | | | |
| nil (< 0.01) | 31.07 | - | - | - | - | - | - | 8.03 | 16.02 | 552 | 63 |
| 00.01 - 00.20 | 53.84 | 48.52 | 62.43 | 3.99 | 50.24 | 10.96 | - | 29.10 | 40.12 | 3132 | 307 |
| 00.21 - 00.50 | 40.86 | 42.33 | 59.05 | 20.22 | 21.96 | 37.29 | 100.00 | 37.25 | 39.92 | 4041 | 432 |
| 00.51 - 01.00 | 31.13 | 33.76 | 58.44 | 26.50 | 0.23 | 28.72 | 100.00 | 47.90 | 34.34 | 6940 | 603 |
| 01.01 - 02.00 | 38.07 | 33.53 | 78.05 | 45.48 | 13.95 | 27.04 | - | 49.80 | 39.08 | 6968 | 582 |
| 02.01 - 04.00 | 41.55 | 44.31 | 87.82 | 53.66 | 28.38 | 31.27 | 19.56 | 58.73 | 45.19 | 2536 | 205 |
| 04.01 - 10.00 | 66.40 | 47.87 | 100.00 | 100.0 | 75.22 | 100.00 | - | 78.46 | 71.19 | 520 | 42 |
| 10.01 & above | - | - | - | 0 | - | - | - | - | - | - | - |
| all | 40.78 | 37.83 | 80.33 | 49.95 | 25.47 | 33.50 | 39.61 | 51.57 | 42.90 | 24689 | 2234 |

Table (7.1): Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

| size-class of ownership holding(ha) | percentage of area sown with improved seeds | | | | | | | | | no. of field-crop cult. hhs. | |
|---|---|--------|--------|---------|--------|--------|--------|--------|-------|---------------------------------|--------|
| | paddy | | wheat | other | pulses | oil- | fodder | others | all | estd. (00) | sample |
| | kharif | rabi | | cereals | | seeds | | | (10) | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Bihar | | | | | | | | | | | |
| nil (< 0.01) | 9.86 | - | 47.26 | 1.23 | 9.78 | - | - | 5.96 | 13.25 | 3743 | 197 |
| 00.01 - 00.20 | 37.62 | 77.20 | 46.77 | 67.84 | 15.26 | 36.51 | 2.27 | 42.40 | 42.70 | 19828 | 1015 |
| 00.21 - 00.50 | 39.11 | 69.29 | 59.12 | 51.57 | 27.52 | 51.93 | 30.98 | 58.69 | 47.34 | 23571 | 1234 |
| 00.51 - 01.00 | 38.24 | 72.13 | 55.00 | 51.27 | 31.50 | 29.71 | 30.34 | 53.78 | 44.82 | 20184 | 976 |
| 01.01 - 02.00 | 39.72 | 57.88 | 59.35 | 43.51 | 29.84 | 22.10 | 6.16 | 49.66 | 44.95 | 15932 | 781 |
| 02.01 - 04.00 | 50.18 | 86.11 | 67.60 | 57.98 | 47.93 | 42.76 | 41.04 | 52.49 | 56.02 | 6811 | 331 |
| 04.01 - 10.00 | 45.42 | 64.54 | 61.23 | 46.77 | 28.88 | 38.21 | 11.65 | 46.80 | 48.79 | 2313 | 111 |
| 10.01 & above | 79.75 | - | 89.87 | 35.99 | 24.86 | 56.01 | 95.30 | 77.41 | 74.02 | 278 | 14 |
| all | 43.43 | 71.50 | 61.99 | 46.42 | 32.55 | 38.47 | 26.72 | 50.26 | 48.80 | 92660 | 4659 |
| Gujarat | | | | | | | | | | | |
| nil (< 0.01) | 68.37 | - | - | 100.00 | - | - | 57.36 | 65.42 | 68.06 | 151 | 5 |
| 00.01 - 00.20 | 20.36 | 100.00 | 75.23 | 54.80 | 35.35 | 100.00 | - | 100.00 | 76.76 | 1224 | 68 |
| 00.21 - 00.50 | 58.71 | 70.99 | 84.09 | 78.93 | 78.18 | 87.80 | 29.25 | 97.03 | 78.85 | 7372 | 382 |
| 00.51 - 01.00 | 63.88 | 89.34 | 87.33 | 79.58 | 76.14 | 84.01 | 62.12 | 90.78 | 79.69 | 5864 | 287 |
| 01.01 - 02.00 | 77.89 | 71.32 | 91.82 | 83.12 | 84.61 | 75.49 | 37.39 | 97.21 | 84.60 | 6566 | 338 |
| 02.01 - 04.00 | 79.69 | 79.28 | 92.00 | 86.14 | 78.08 | 69.11 | 50.90 | 92.71 | 82.95 | 5532 | 282 |
| 04.01 - 10.00 | 94.02 | - | 90.02 | 90.63 | 86.13 | 67.47 | 61.30 | 96.61 | 85.81 | 3742 | 200 |
| 10.01 & above | - | - | 100.00 | 95.28 | 100.00 | 79.15 | 29.33 | 93.18 | 86.36 | 529 | 30 |
| all | 76.63 | 79.03 | 90.38 | 85.60 | 81.35 | 71.36 | 49.51 | 94.99 | 83.89 | 30981 | 1592 |
| Haryana | | | | | | | | | | | |
| nil (< 0.01) | 100.00 | - | 100.00 | - | - | - | 54.41 | 100.00 | 96.89 | 109 | 5 |
| 00.01 - 00.20 | 98.31 | - | 97.91 | 100.00 | - | 100.00 | 76.18 | 100.00 | 95.44 | 573 | 27 |
| 00.21 - 00.50 | 76.66 | - | 76.92 | 89.18 | 13.83 | 96.29 | 62.34 | 84.32 | 76.74 | 1851 | 90 |
| 00.51 - 01.00 | 68.94 | - | 61.60 | 71.62 | 7.39 | 81.51 | 41.62 | 91.62 | 64.59 | 1839 | 85 |
| 01.01 - 02.00 | 73.74 | 41.15 | 78.48 | 84.34 | 36.00 | 91.46 | 56.53 | 61.93 | 72.45 | 2973 | 138 |
| 02.01 - 04.00 | 82.15 | 100.00 | 79.27 | 91.97 | 34.60 | 69.24 | 53.44 | 83.79 | 75.95 | 2362 | 116 |
| 04.01 - 10.00 | 92.93 | - | 91.24 | 82.36 | 19.70 | 88.83 | 44.40 | 80.56 | 81.53 | 1613 | 77 |
| 10.01 & above | 99.99 | - | 94.00 | 40.30 | 12.65 | - | 56.78 | 97.73 | 86.27 | 229 | 13 |
| all | 86.84 | 76.32 | 83.86 | 81.79 | 26.90 | 80.36 | 51.89 | 82.48 | 78.14 | 11548 | 551 |

Table (7.1): Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

| size-class of ownership holding(ha) | percentage of area sown with improved seeds | | | | | | | | | no. of field-crop cult. hhs. | |
|---|---|--------|-------|---------|--------|--------|--------|--------|-------|---------------------------------|--------|
| | paddy | | wheat | other | pulses | oil- | fodder | others | all | estd. | sample |
| | kharif | rabi | | cereals | | seeds | | | (00) | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Himachal Pradesh | | | | | | | | | | | |
| nil (< 0.01) | - | - | 25.22 | - | - | - | - | - | 11.33 | 45 | 8 |
| 00.01 - 00.20 | 32.76 | - | 22.88 | 22.48 | 29.08 | - | 42.23 | 34.81 | 24.38 | 1691 | 322 |
| 00.21 - 00.50 | 46.14 | 53.81 | 36.59 | 27.62 | 48.58 | 11.31 | 47.11 | 42.95 | 35.11 | 2939 | 550 |
| 00.51 - 01.00 | 43.95 | - | 34.70 | 27.24 | 29.01 | 6.90 | 30.88 | 37.91 | 32.80 | 2208 | 404 |
| 01.01 - 02.00 | 26.01 | - | 26.61 | 18.47 | 16.02 | 11.22 | 28.19 | 34.74 | 24.85 | 1277 | 241 |
| 02.01 - 04.00 | 20.93 | - | 41.42 | 40.85 | 26.39 | 5.67 | 11.89 | 47.37 | 40.34 | 522 | 99 |
| 04.01 - 10.00 | 22.18 | - | 28.66 | 20.73 | 18.22 | 6.62 | 2.69 | 72.30 | 29.72 | 108 | 22 |
| 10.01 & above | 57.98 | - | - | 28.39 | - | - | - | 53.88 | 20.72 | 35 | 7 |
| all | 35.90 | 31.34 | 32.88 | 26.72 | 25.72 | 8.00 | 26.60 | 41.80 | 31.67 | 8825 | 1653 |
| Jammu & Kashmir | | | | | | | | | | | |
| nil (< 0.01) | 100.00 | - | - | - | - | - | - | 97.49 | 51.54 | 11 | 4 |
| 00.01 - 00.20 | 67.70 | 100.00 | 62.12 | 46.47 | 50.18 | 51.09 | 64.32 | 61.98 | 61.71 | 1039 | 218 |
| 00.21 - 00.50 | 60.49 | 99.27 | 48.88 | 33.64 | 48.89 | 65.69 | 57.74 | 57.89 | 57.18 | 2807 | 578 |
| 00.51 - 01.00 | 64.68 | 78.88 | 60.16 | 38.55 | 42.68 | 38.60 | 53.53 | 76.41 | 59.61 | 1978 | 392 |
| 01.01 - 02.00 | 72.57 | 100.00 | 76.28 | 58.60 | 61.10 | 69.67 | 75.95 | 67.56 | 70.97 | 997 | 242 |
| 02.01 - 04.00 | 80.98 | 100.00 | 81.73 | 63.28 | 72.80 | 20.77 | 66.22 | 65.61 | 73.93 | 353 | 84 |
| 04.01 - 10.00 | 83.39 | - | 95.68 | 87.50 | 78.43 | 70.25 | 62.33 | 54.00 | 84.08 | 51 | 17 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | - | - |
| all | 69.19 | 92.32 | 72.27 | 50.85 | 60.13 | 54.08 | 62.95 | 68.55 | 65.90 | 7236 | 1535 |
| Karnataka | | | | | | | | | | | |
| nil (< 0.01) | 100.00 | - | - | 1.71 | - | 100.00 | - | 100.00 | 60.55 | 146 | 7 |
| 00.01 - 00.20 | 83.07 | 100.00 | - | 64.07 | 63.81 | 82.98 | - | 45.66 | 65.16 | 2826 | 137 |
| 00.21 - 00.50 | 84.52 | 66.71 | 56.61 | 64.66 | 51.62 | 69.38 | 100.00 | 64.23 | 66.09 | 6735 | 322 |
| 00.51 - 01.00 | 75.60 | 70.16 | 58.41 | 70.87 | 55.61 | 76.55 | 42.89 | 66.24 | 69.00 | 10269 | 445 |
| 01.01 - 02.00 | 76.95 | 68.84 | 33.60 | 65.49 | 55.13 | 75.41 | 50.26 | 58.01 | 65.19 | 12321 | 522 |
| 02.01 - 04.00 | 76.33 | 73.64 | 50.47 | 65.56 | 50.01 | 70.16 | 75.57 | 68.97 | 66.17 | 7165 | 308 |
| 04.01 - 10.00 | 64.33 | 56.95 | 60.57 | 71.29 | 44.88 | 52.03 | 30.56 | 57.36 | 60.69 | 4250 | 184 |
| 10.01 & above | 100.00 | - | 4.56 | 69.33 | 52.48 | 85.48 | - | 45.53 | 66.07 | 656 | 28 |
| all | 76.45 | 66.72 | 43.10 | 68.07 | 50.68 | 68.54 | 38.80 | 60.47 | 64.70 | 44369 | 1953 |

Table (7.1): Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

| size-class of ownership holding(ha) | percentage of area sown with improved seeds | | | | | | | | no. of field-crop cult. hhs. | | |
|---|---|--------|--------|---------|--------|--------|--------|--------|---------------------------------|-------|--------|
| | paddy | | wheat | other | pulses | oil- | fodder | others | all | estd. | sample |
| | kharif | rabi | | cereals | | seeds | | | | (00) | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Kerala | | | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - | 75 | 4 |
| 00.01 - 00.20 | 43.41 | 62.83 | - | 24.90 | - | 8.40 | - | 16.42 | 18.30 | 22100 | 1401 |
| 00.21 - 00.50 | 54.34 | 62.66 | 100.00 | 21.26 | - | 13.27 | - | 20.09 | 26.86 | 6402 | 419 |
| 00.51 - 01.00 | 75.44 | 69.89 | - | 31.75 | - | 40.71 | - | 27.01 | 39.43 | 3374 | 201 |
| 01.01 - 02.00 | 71.01 | 76.66 | - | 64.95 | - | 10.26 | - | 29.4 | 35.02 | 1976 | 116 |
| 02.01 - 04.00 | 91.97 | 77.87 | - | - | 100.00 | 1.34 | - | 48.64 | 56.28 | 485 | 29 |
| 04.01 - 10.00 | 98.20 | 100.00 | - | - | - | 2.31 | - | 55.01 | 57.04 | 170 | 10 |
| 10.01 & above | 100.00 | - | - | - | - | 100.00 | - | 5.48 | 51.07 | 32 | 2 |
| all | 77.04 | 71.92 | 100.00 | 23.16 | 28.74 | 14.17 | - | 28.15 | 36.66 | 34615 | 2182 |
| Madhya Pradesh | | | | | | | | | | | |
| 1 (< 0.01) | 22.42 | - | 27.77 | 44.02 | 25.66 | 37.52 | - | 49.49 | 31.58 | 421 | 21 |
| 0.01 - 00.20 | 30.56 | 49.23 | 31.46 | - | 18.78 | 49.86 | 14.36 | 48.56 | 32.22 | 2467 | 139 |
| 00.21 - 00.50 | 25.34 | 82.34 | 44.04 | 22.12 | 16.97 | 51.75 | 12.87 | 25.62 | 33.81 | 9680 | 539 |
| 00.51 - 01.00 | 20.96 | 59.39 | 39.94 | 44.35 | 27.60 | 52.05 | 26.33 | 29.81 | 33.98 | 15036 | 774 |
| 01.01 - 02.00 | 19.58 | 59.90 | 39.08 | 42.52 | 26.04 | 47.79 | 8.47 | 41.96 | 34.14 | 21560 | 1108 |
| 02.01 - 04.00 | 19.03 | 49.98 | 46.27 | 46.61 | 26.57 | 49.32 | 28.70 | 47.81 | 38.07 | 18818 | 954 |
| 04.01 - 10.00 | 26.10 | 100.00 | 50.78 | 54.14 | 35.26 | 55.56 | 32.72 | 51.77 | 46.11 | 8158 | 434 |
| 10.01 & above | 20.86 | 100.00 | 47.49 | 76.52 | 42.15 | 52.31 | 20.55 | 78.47 | 50.88 | 1028 | 62 |
| all | 21.34 | 69.12 | 45.74 | 50.91 | 30.91 | 51.61 | 26.29 | 49.02 | 40.41 | 77168 | 4031 |
| Maharashtra | | | | | | | | | | | |
| nil (< 0.01) | 100.00 | - | - | 29.37 | 100.00 | - | - | 100.00 | 52.63 | 178 | 7 |
| 00.01 - 00.20 | 29.46 | - | 72.74 | 76.85 | 35.74 | 72.86 | - | 87.92 | 64.30 | 3913 | 188 |
| 00.21 - 00.50 | 41.31 | 81.37 | 64.13 | 73.82 | 39.48 | 46.84 | 64.81 | 73.61 | 57.85 | 8349 | 399 |
| 00.51 - 01.00 | 43.07 | 68.76 | 47.87 | 77.37 | 43.70 | 44.97 | 20.54 | 79.37 | 63.79 | 12111 | 559 |
| 01.01 - 02.00 | 40.30 | 100.00 | 63.91 | 76.10 | 58.52 | 58.58 | 28.32 | 86.99 | 70.83 | 15774 | 739 |
| 02.01 - 04.00 | 29.94 | 64.21 | 59.10 | 70.16 | 40.96 | 55.08 | 53.22 | 87.06 | 65.57 | 11295 | 527 |
| 04.01 - 10.00 | 41.25 | - | 58.93 | 74.49 | 57.23 | 64.41 | 49.96 | 90.28 | 73.78 | 6238 | 287 |
| 10.01 & above | 52.49 | - | 62.24 | 59.07 | 38.28 | 70.92 | 49.40 | 87.89 | 69.06 | 883 | 40 |
| all | 38.66 | 82.12 | 59.53 | 72.31 | 49.83 | 59.79 | 43.30 | 87.54 | 69.05 | 58740 | 2746 |

Table (7.1): Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

| size-class of ownership holding(ha) | percentage of area sown with improved seeds | | | | | | | | no. of field-crop cult. hhs. | | |
|---|---|--------------|---------------|------------------|--------------|---------------|--------------|--------------|---------------------------------|---------------|------------|
| | paddy | | wheat | other cereals | pulses | oil- seeds | fodder | others | all | estd. (00) | sample |
| | kharif | rabi | | | | | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Manipur | | | | | | | | | | | |
| nil (< 0.01) | 26.34 | 81.14 | - | - | - | - | - | 3.80 | 42.45 | 198 | 80 |
| 00.01 - 00.20 | 17.09 | - | - | - | - | - | - | 33.92 | 26.27 | 189 | 57 |
| 00.21 - 00.50 | 67.85 | 61.38 | - | 76.93 | 74.68 | 46.25 | 100.00 | 38.96 | 61.79 | 483 | 174 |
| 00.51 - 01.00 | 56.89 | 55.38 | - | 89.07 | 95.60 | 20.51 | - | 25.52 | 53.10 | 832 | 256 |
| 01.01 - 02.00 | 80.56 | 53.13 | 100.00 | 97.40 | 91.26 | - | - | 68.06 | 76.65 | 353 | 140 |
| 02.01 - 04.00 | 76.11 | 89.52 | - | - | 96.18 | - | - | 69.73 | 77.80 | 76 | 34 |
| 04.01 - 10.00 | 75.32 | - | - | - | - | - | - | 92.67 | 77.79 | 10 | 6 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | - | - |
| all | 65.23 | 66.41 | 100.00 | 57.95 | 67.78 | 3.97 | 44.16 | 35.06 | 61.45 | 2139 | 747 |
| Meghalaya | | | | | | | | | | | |
| nil (< 0.01) | 100.00 | - | - | - | - | - | - | 100.00 | 100.00 | 17 | 6 |
| 00.01 - 00.20 | 77.43 | - | 100.00 | 100.00 | - | - | - | 76.60 | 78.10 | 385 | 121 |
| 00.21 - 00.50 | 58.42 | 17.75 | 59.95 | 48.88 | - | - | - | 56.88 | 55.26 | 782 | 210 |
| 00.51 - 01.00 | 62.41 | 33.93 | 62.88 | 62.15 | 47.68 | 100.00 | 100.00 | 51.49 | 55.01 | 796 | 225 |
| 01.01 - 02.00 | 46.77 | 100.00 | - | 67.29 | 43.64 | 100.00 | - | 55.48 | 53.64 | 605 | 193 |
| 02.01 - 04.00 | 60.32 | 100.00 | 100.00 | 35.10 | - | - | - | 40.71 | 49.35 | 425 | 136 |
| 04.01 - 10.00 | 94.39 | 100.00 | - | 100.00 | - | - | - | 61.96 | 84.13 | 92 | 29 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | - | - |
| all | 64.11 | 55.26 | 79.88 | 59.09 | 39.52 | 100.00 | 41.64 | 51.65 | 57.39 | 3103 | 920 |
| Mizoram | | | | | | | | | | | |
| nil (< 0.01) | 38.21 | - | - | - | - | - | 100.00 | 12.00 | 20.37 | 104 | 72 |
| 00.01 - 00.20 | 22.74 | - | - | - | 5.43 | - | - | 12.15 | 15.38 | 339 | 263 |
| 00.21 - 00.50 | 48.70 | - | - | - | - | - | - | 18.34 | 33.92 | 43 | 45 |
| 00.51 - 01.00 | 27.21 | - | - | 18.13 | - | - | - | 24.12 | 22.87 | 55 | 47 |
| 01.01 - 02.00 | 58.72 | - | - | - | - | - | - | 49.10 | 51.30 | 66 | 54 |
| 02.01 - 04.00 | 80.23 | - | - | - | - | - | - | 40.13 | 56.64 | 14 | 16 |
| 04.01 - 10.00 | 100.00 | - | - | - | - | - | - | - | 86.67 | 3 | 3 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | - | - |
| all | 36.91 | - | - | 1.93 | 2.64 | - | 5.31 | 21.42 | 25.98 | 624 | 500 |

Table (7.1): Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

| size-class of ownership holding(ha) | percentage of area sown with improved seeds | | | | | | | | no. of field-crop cult. hhs. | | |
|---|---|--------------|--------------|------------------|--------------|---------------|--------------|--------------|---------------------------------|---------------|-------------|
| | paddy | | wheat | other cereals | pulses | oil- seeds | fodder | others | all | estd. (00) | sample |
| | kharif | rabi | | | | | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Nagaland | | | | | | | | | | | |
| nil (< 0.01) | - | - | - | - | - | - | - | - | - | 16 | 13 |
| 00.01 - 00.20 | - | 100.00 | - | - | - | - | - | 6.03 | 5.85 | 24 | 20 |
| 00.21 - 00.50 | - | 4.94 | - | - | - | - | - | - | 0.41 | 37 | 47 |
| 00.51 - 01.00 | 3.24 | 3.95 | - | 1.29 | - | - | 23.61 | 1.92 | 2.56 | 77 | 71 |
| 01.01 - 02.00 | - | 1.53 | - | - | - | 22.00 | - | - | 0.81 | 190 | 177 |
| 02.01 - 04.00 | 1.45 | 0.84 | - | 7.81 | - | - | - | 1.77 | 1.93 | 329 | 356 |
| 04.01 - 10.00 | 7.08 | 8.92 | - | 28.41 | - | - | - | 2.48 | 5.83 | 127 | 136 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | 7 | 8 |
| all | 3.63 | 2.09 | - | 9.99 | - | 11.27 | 0.49 | 1.89 | 3.28 | 807 | 828 |
| Orissa | | | | | | | | | | | |
| nil (< 0.01) | 0.89 | - | - | - | - | - | - | 0.68 | 0.69 | 198 | 20 |
| 00.01 - 00.20 | 25.09 | 29.96 | - | 58.00 | 39.83 | 32.02 | - | 56.02 | 28.58 | 5949 | 326 |
| 00.21 - 00.50 | 33.42 | 82.21 | 37.24 | 30.52 | 50.86 | 16.63 | - | 25.33 | 36.11 | 12133 | 657 |
| 00.51 - 01.00 | 42.07 | 57.25 | 55.47 | 32.50 | 58.49 | 28.50 | - | 56.56 | 43.88 | 10803 | 553 |
| 01.01 - 02.00 | 37.95 | 59.37 | 40.06 | 29.58 | 63.04 | 39.99 | - | 59.85 | 41.08 | 7280 | 378 |
| 02.01 - 04.00 | 30.83 | 35.50 | - | 58.60 | 49.90 | 64.56 | - | 71.09 | 34.53 | 2881 | 146 |
| 04.01 - 10.00 | 32.93 | 53.86 | 100.00 | 56.48 | 66.84 | 6.51 | - | 22.32 | 38.44 | 609 | 32 |
| 10.01 & above | 42.46 | - | - | - | 100.00 | - | - | 89.23 | 53.55 | 122 | 3 |
| all | 36.11 | 55.32 | 54.37 | 37.56 | 59.10 | 32.73 | - | 59.70 | 39.53 | 39975 | 2115 |
| Punjab | | | | | | | | | | | |
| nil (< 0.01) | 100.00 | - | 100.00 | - | - | - | 67.57 | 100.00 | 94.99 | 50 | 5 |
| 00.01 - 00.20 | 100.00 | 36.42 | 87.84 | 13.90 | - | - | 80.91 | 54.44 | 80.10 | 482 | 47 |
| 00.21 - 00.50 | 70.95 | 100.00 | 68.89 | 46.07 | - | 73.29 | 66.40 | 83.87 | 68.35 | 1130 | 99 |
| 00.51 - 01.00 | 90.71 | 71.16 | 86.83 | 86.99 | 100.00 | 100.00 | 71.40 | 81.67 | 84.70 | 1462 | 122 |
| 01.01 - 02.00 | 88.96 | 81.50 | 84.31 | 65.94 | 87.01 | 100.00 | 73.23 | 59.58 | 80.63 | 2909 | 254 |
| 02.01 - 04.00 | 90.06 | 30.58 | 84.82 | 9.78 | - | 31.67 | 69.94 | 72.34 | 81.63 | 2202 | 190 |
| 04.01 - 10.00 | 91.12 | 11.86 | 89.28 | 60.23 | 36.72 | 100.00 | 70.25 | 81.24 | 85.43 | 1575 | 133 |
| 10.01 & above | 91.06 | 100.00 | 91.20 | 100.00 | - | 100.00 | 75.67 | 90.76 | 90.48 | 377 | 33 |
| all | 90.22 | 51.49 | 87.49 | 54.49 | 43.21 | 72.89 | 71.38 | 79.20 | 84.38 | 10188 | 883 |

Table (7.1): Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

| size-class of ownership holding(ha) | percentage of area sown with improved seeds | | | | | | | | | no. of field-crop cult. hhs. | |
|---|---|--------|--------|------------------|--------|---------------|--------|--------|-------|---------------------------------|--------|
| | paddy | | wheat | other cereals | pulses | oil- seeds | fodder | others | all | estd. (00) | sample |
| | khariif | rabi | | | | | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Rajasthan | | | | | | | | | | | |
| nil (< 0.01) | - | - | 87.73 | 72.50 | - | 66.24 | 96.02 | 82.88 | 61.06 | 306 | 19 |
| 00.01 - 00.20 | - | - | 26.66 | 44.62 | 6.69 | 67.23 | 88.25 | 79.11 | 50.58 | 2073 | 110 |
| 00.21 - 00.50 | 13.36 | - | 62.76 | 56.62 | 33.35 | 71.25 | 31.27 | 46.16 | 56.08 | 7782 | 415 |
| 00.51 - 01.00 | 25.35 | 62.37 | 64.11 | 53.88 | 34.17 | 61.96 | 14.38 | 45.08 | 52.61 | 8603 | 445 |
| 01.01 - 02.00 | 20.58 | 92.33 | 71.35 | 58.49 | 50.66 | 73.06 | 30.27 | 49.44 | 60.08 | 11017 | 583 |
| 02.01 - 04.00 | 66.62 | 76.99 | 84.08 | 67.92 | 56.41 | 77.14 | 42.74 | 67.05 | 70.58 | 9684 | 539 |
| 04.01 - 10.00 | 17.56 | 100.00 | 80.40 | 71.27 | 67.25 | 77.92 | 53.37 | 59.67 | 69.68 | 7914 | 451 |
| 10.01 & above | - | - | 88.68 | 73.01 | 71.20 | 80.36 | 79.69 | 65.32 | 74.27 | 2009 | 124 |
| all | 31.17 | 85.48 | 78.19 | 67.23 | 62.01 | 76.11 | 51.82 | 60.90 | 67.83 | 49388 | 2686 |
| Sikkim | | | | | | | | | | | |
| nil (< 0.01) | 17.83 | - | - | 1.58 | - | - | - | 0.24 | 3.74 | 60 | 76 |
| 00.01 - 00.20 | 8.82 | 43.48 | 11.60 | 1.16 | - | - | - | - | 2.17 | 95 | 111 |
| 00.21 - 00.50 | 3.72 | - | 47.28 | 1.22 | - | - | - | 1.22 | 2.63 | 180 | 216 |
| 00.51 - 01.00 | 12.27 | - | 24.52 | 4.18 | - | - | - | 0.23 | 4.26 | 123 | 136 |
| 01.01 - 02.00 | 12.56 | - | - | 1.37 | - | - | - | - | 2.54 | 85 | 92 |
| 02.01 - 04.00 | 14.71 | - | - | 1.95 | - | - | - | 0.27 | 2.98 | 38 | 42 |
| 04.01 - 10.00 | - | - | - | - | - | - | - | - | - | 3 | 4 |
| 10.01 & above | 100.00 | - | - | 100.00 | - | - | - | - | 76.13 | 1 | 1 |
| all | 14.28 | 4.04 | 17.64 | 2.79 | - | - | - | 0.30 | 3.70 | 586 | 678 |
| Tamil Nadu | | | | | | | | | | | |
| nil (< 0.01) | 100.00 | - | - | 100.00 | 92.59 | 100.00 | - | 100.00 | 99.12 | 707 | 41 |
| 00.01 - 00.20 | 64.56 | 88.41 | 100.00 | 33.39 | 100.00 | 70.90 | 35.05 | 61.51 | 69.81 | 4184 | 247 |
| 00.21 - 00.50 | 67.54 | 65.93 | 100.00 | 52.70 | 75.05 | 52.95 | 11.63 | 63.17 | 63.36 | 10470 | 610 |
| 00.51 - 01.00 | 67.53 | 73.02 | 100.00 | 55.14 | 84.44 | 60.76 | 53.18 | 65.94 | 66.95 | 8949 | 487 |
| 01.01 - 02.00 | 70.90 | 70.08 | 100.00 | 55.02 | 83.22 | 60.93 | 25.50 | 68.15 | 66.61 | 5976 | 321 |
| 02.01 - 04.00 | 74.15 | 83.33 | 84.13 | 72.62 | 72.45 | 90.32 | 33.20 | 63.21 | 73.18 | 2684 | 136 |
| 04.01 - 10.00 | 84.43 | 44.06 | - | 86.02 | 40.54 | 61.19 | - | 39.90 | 62.90 | 966 | 42 |
| 10.01 & above | 22.73 | - | - | - | 100.00 | 100.00 | 100.00 | 100.00 | 84.58 | 49 | 3 |
| all | 71.67 | 69.58 | 89.01 | 64.28 | 72.63 | 71.35 | 38.31 | 63.64 | 67.73 | 33985 | 1887 |

Table (7.1): Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

| size-class of ownership holding(ha) | percentage of area sown with improved seeds | | | | | | | | no. of field-crop cult. hhs. | | |
|---|---|--------------|--------------|------------------|--------------|---------------|--------------|--------------|---------------------------------|---------------|-------------|
| | paddy | | wheat | other cereals | pulses | oil- seeds | fodder | others | all | estd. (00) | sample |
| | kharif | rabi | | | | | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Tripura | | | | | | | | | | | |
| nil (< 0.01) | 38.39 | - | - | - | - | - | - | 100.00 | 41.64 | 43 | 8 |
| 00.01 - 00.20 | 57.61 | 42.65 | 100.00 | - | - | - | - | 53.45 | 53.10 | 490 | 110 |
| 00.21 - 00.50 | 60.85 | 74.07 | 100.00 | - | - | - | - | 59.31 | 67.63 | 910 | 187 |
| 00.51 - 01.00 | 67.14 | 64.38 | 89.22 | - | - | - | - | 53.72 | 65.65 | 652 | 134 |
| 01.01 - 02.00 | 61.50 | 67.43 | 85.11 | - | - | - | - | 47.55 | 62.45 | 215 | 40 |
| 02.01 - 04.00 | 56.50 | 58.00 | 100.00 | - | - | - | - | 98.87 | 63.63 | 71 | 16 |
| 04.01 - 10.00 | 23.43 | - | - | - | - | - | - | - | 18.85 | 8 | 2 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | - | - |
| all | 61.03 | 66.27 | 91.07 | - | - | - | - | 58.04 | 63.28 | 2389 | 497 |
| Uttar Pradesh | | | | | | | | | | | |
| nil (< 0.01) | 22.33 | - | 30.57 | 18.06 | 41.95 | - | 81.97 | 46.53 | 29.32 | 599 | 29 |
| 00.01 - 00.20 | 33.02 | 32.45 | 37.96 | 29.87 | 11.61 | 15.25 | 35.21 | 42.42 | 34.20 | 30448 | 1426 |
| 00.21 - 00.50 | 40.69 | 38.17 | 41.71 | 27.01 | 19.10 | 16.32 | 48.12 | 35.85 | 37.87 | 50848 | 2087 |
| 00.51 - 01.00 | 45.20 | 40.44 | 50.72 | 37.79 | 24.86 | 29.59 | 55.42 | 46.10 | 45.48 | 40361 | 1665 |
| 01.01 - 02.00 | 50.89 | 60.45 | 57.28 | 41.76 | 32.43 | 36.98 | 60.54 | 48.37 | 50.74 | 29586 | 1205 |
| 02.01 - 04.00 | 55.91 | 66.38 | 62.47 | 51.87 | 37.17 | 53.59 | 68.84 | 54.74 | 56.91 | 14076 | 606 |
| 04.01 - 10.00 | 70.40 | 100.00 | 77.75 | 52.37 | 40.88 | 67.69 | 75.07 | 62.62 | 66.56 | 5049 | 226 |
| 10.01 & above | 90.35 | - | 95.44 | 86.65 | 63.47 | 94.62 | 78.87 | 72.79 | 84.60 | 396 | 19 |
| all | 51.07 | 63.88 | 57.92 | 43.86 | 34.19 | 46.66 | 62.66 | 51.85 | 52.09 | 171362 | 7263 |
| West Bengal | | | | | | | | | | | |
| nil (< 0.01) | 21.35 | 39.05 | 57.49 | - | 59.67 | 100.00 | - | 54.47 | 30.79 | 1976 | 87 |
| 00.01 - 00.20 | 70.55 | 73.22 | 82.77 | 78.02 | 69.47 | 86.32 | 32.70 | 67.49 | 71.73 | 15261 | 758 |
| 00.21 - 00.50 | 72.08 | 72.99 | 77.34 | 61.77 | 50.32 | 72.67 | - | 67.60 | 71.31 | 19727 | 972 |
| 00.51 - 01.00 | 74.67 | 76.28 | 63.55 | 83.92 | 70.24 | 76.52 | - | 72.73 | 74.01 | 14715 | 650 |
| 01.01 - 02.00 | 75.47 | 65.23 | 72.93 | 77.96 | 65.52 | 56.69 | - | 71.10 | 72.42 | 6730 | 302 |
| 02.01 - 04.00 | 80.10 | 70.71 | 69.17 | 94.78 | 73.05 | 78.14 | - | 69.48 | 76.54 | 2164 | 97 |
| 04.01 - 10.00 | 93.55 | 67.26 | 54.85 | - | 100.00 | 9.50 | - | 88.04 | 80.27 | 191 | 9 |
| 10.01 & above | 100.00 | - | 100.00 | - | - | - | - | 100.00 | 100.00 | 24 | 1 |
| all | 72.97 | 71.62 | 70.45 | 81.25 | 68.62 | 68.35 | 2.45 | 70.90 | 72.04 | 60788 | 2876 |

Table (7.1): Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

| size-class of ownership holding(ha) | percentage of area sown with improved seeds | | | | | | | | | no. of field-crop cult. hhs. | |
|---|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------------------------|--------------|
| | paddy | | wheat | other | pulses | oil- | fodder | others | all | estd. | sample |
| | kharif | rabi | | cereals | | seeds | | | | (00) | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| A. & N. Islands | | | | | | | | | | | |
| nil (< 0.01) | 82.27 | - | - | - | - | - | - | 76.70 | 80.80 | 33 | 25 |
| 00.01 - 00.20 | - | - | - | - | - | - | - | 87.65 | 78.18 | 9 | 8 |
| 00.21 - 00.50 | - | - | - | - | 75.55 | - | - | - | 26.03 | 5 | 7 |
| 00.51 - 01.00 | 43.25 | - | - | - | 42.07 | - | - | 38.62 | 42.54 | 17 | 16 |
| 01.01 - 02.00 | 26.63 | - | - | - | 19.19 | - | - | 92.52 | 34.24 | 22 | 21 |
| 02.01 - 04.00 | 23.28 | - | - | - | 5.59 | - | - | 100.00 | 23.29 | 20 | 20 |
| 04.01 - 10.00 | 50.80 | - | - | - | 41.98 | - | - | 57.70 | 50.29 | 6 | 5 |
| 10.01 & above | - | - | - | - | - | - | - | - | - | - | - |
| all | 43.99 | - | - | - | 20.17 | - | - | 76.97 | 45.97 | 113 | 102 |
| India | | | | | | | | | | | |
| nil (< 0.01) | 26.94 | 60.47 | 53.54 | 35.03 | 30.86 | 60.41 | 44.78 | 43.93 | 37.73 | 10806 | 914 |
| 00.01 - 00.20 | 45.03 | 68.01 | 46.67 | 46.16 | 22.32 | 57.22 | 59.06 | 52.01 | 47.44 | 123414 | 7726 |
| 00.21 - 00.50 | 48.45 | 68.65 | 50.81 | 50.92 | 37.16 | 53.77 | 49.82 | 52.35 | 50.36 | 191767 | 11440 |
| 00.51 - 01.00 | 49.43 | 67.25 | 53.65 | 58.39 | 40.37 | 54.53 | 51.13 | 57.85 | 53.16 | 180495 | 10274 |
| 01.01 - 02.00 | 48.61 | 60.47 | 59.27 | 60.46 | 44.45 | 56.72 | 52.70 | 60.50 | 55.10 | 162612 | 9215 |
| 02.01 - 04.00 | 50.05 | 65.33 | 65.37 | 64.87 | 44.63 | 58.43 | 58.19 | 67.80 | 59.51 | 97772 | 5712 |
| 04.01 - 10.00 | 57.79 | 68.50 | 71.41 | 69.16 | 50.91 | 61.19 | 57.03 | 69.67 | 64.82 | 47354 | 2716 |
| 10.01 & above | 71.46 | 80.55 | 78.68 | 70.08 | 56.40 | 60.66 | 62.74 | 73.65 | 69.51 | 7168 | 422 |
| all | 50.92 | 65.55 | 63.12 | 63.80 | 46.62 | 58.83 | 55.79 | 65.07 | 58.70 | 821388 | 48419 |

Table (8): Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

| crop-group | area (per 1000 hectares) under five major crops treated with | | | | | estd. area under the crop (00 ha.) | no. of hhs. cultivating the crop using fertiliser | |
|------------------------|--|-------------|---------------------------|------|------|------------------------------------|---|--------|
| | fertiliser only | manure only | both manure & fertilisers | None | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Andhra Pradesh | | | | | | | | |
| Paddy(<i>kharif</i>) | 78 | 9 | 911 | 3 | 1000 | 25215 | 30226 | 1411 |
| Paddy(<i>rabi</i>) | 194 | 1 | 801 | 5 | 1000 | 8145 | 8802 | 365 |
| wheat | 49 | 64 | 761 | 126 | 1000 | 292 | 246 | 13 |
| other cereals | 115 | 40 | 787 | 58 | 1000 | 8705 | 10687 | 523 |
| pulses | 187 | 40 | 693 | 80 | 1000 | 7051 | 7606 | 339 |
| oil seeds | 78 | 67 | 847 | 8 | 1000 | 13035 | 10499 | 483 |
| mixed crop | 90 | 63 | 831 | 16 | 1000 | 4407 | 2928 | 135 |
| sugar cane | 172 | 16 | 812 | - | 1000 | 1686 | 2537 | 112 |
| vegetables | 38 | 4 | 941 | 18 | 1000 | 1109 | 2178 | 109 |
| fodder | 118 | 6 | 393 | 483 | 1000 | 720 | 578 | 24 |
| fruits & nuts | 71 | 137 | 622 | 170 | 1000 | 1728 | 1433 | 65 |
| other cash crops | 111 | 39 | 823 | 27 | 1000 | 8384 | 8722 | 413 |
| others | 148 | 9 | 693 | 149 | 1000 | 1629 | 1436 | 64 |
| all crops | 110 | 32 | 827 | 31 | 1000 | 82260 | 52067 | 2457 |

Arunachal Pradesh

| | | | | | | | | |
|------------------------|-----|-----|-----|------|------|-----|-----|-----|
| Paddy(<i>kharif</i>) | 113 | 61 | 29 | 797 | 1000 | 626 | 237 | 95 |
| Paddy(<i>rabi</i>) | 59 | 5 | 4 | 932 | 1000 | 126 | 10 | 3 |
| wheat | 601 | 1 | 330 | 68 | 1000 | 38 | 66 | 33 |
| other cereals | 156 | 69 | 46 | 728 | 1000 | 119 | 107 | 55 |
| pulses | 307 | 6 | 20 | 667 | 1000 | 27 | 37 | 18 |
| oil seeds | - | 2 | 42 | 956 | 1000 | 9 | 3 | 2 |
| mixed crop | 26 | 23 | 37 | 915 | 1000 | 137 | 85 | 37 |
| sugar cane | - | - | - | 1000 | 1000 | 0 | - | - |
| vegetables | 112 | 155 | 129 | 604 | 1000 | 93 | 243 | 113 |
| fodder | - | - | - | 1000 | 1000 | 0 | - | - |
| fruits & nuts | - | 15 | 120 | 865 | 1000 | 11 | 8 | 5 |
| other cash crops | - | 800 | 35 | 165 | 1000 | 33 | 53 | 33 |
| others | 5 | 12 | 29 | 954 | 1000 | 36 | 9 | 4 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | |
|-----------|-----|----|----|-----|------|------|-----|-----|
| all crops | 112 | 72 | 46 | 770 | 1000 | 1266 | 359 | 157 |
|-----------|-----|----|----|-----|------|------|-----|-----|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8): Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

| crop-group | area (per 1000 hectares) under 5 major crops treated with | | | | | estd. area under the crop | no. of hhs. cultivating the crop using fertiliser | |
|------------------------|---|-------------|---------------------------|------|------|---------------------------|---|--------|
| | fertiliser only | manure only | both manure & fertilisers | none | all | (00 ha.) | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Assam | | | | | | | | |
| Paddy(<i>kharif</i>) | 122 | 195 | 350 | 333 | 1000 | 18424 | 12899 | 1091 |
| Paddy(<i>rabi</i>) | 238 | 209 | 157 | 396 | 1000 | 3931 | 2509 | 239 |
| wheat | 238 | 71 | 616 | 75 | 1000 | 1039 | 2350 | 215 |
| other cereals | 20 | 123 | 751 | 105 | 1000 | 329 | 822 | 77 |
| pulses | 30 | 99 | 278 | 593 | 1000 | 1190 | 1613 | 132 |
| oil seeds | 264 | 99 | 468 | 169 | 1000 | 571 | 1585 | 129 |
| mixed crop | 10 | 783 | 141 | 67 | 1000 | 31 | 133 | 13 |
| sugar cane | 85 | 64 | 474 | 377 | 1000 | 357 | 388 | 30 |
| vegetables | 114 | 367 | 310 | 209 | 1000 | 3612 | 13913 | 1136 |
| fodder | 133 | 16 | 263 | 588 | 1000 | 45 | 44 | 4 |
| fruits & nuts | 24 | 308 | 66 | 602 | 1000 | 96 | 314 | 29 |
| other cash crops | 78 | 164 | 722 | 36 | 1000 | 135 | 356 | 35 |
| others | 348 | 64 | 487 | 101 | 1000 | 854 | 2159 | 188 |
| all crops | 143 | 202 | 339 | 316 | 1000 | 30618 | 19893 | 1400 |
| Bihar | | | | | | | | |
| Paddy(<i>kharif</i>) | 273 | 111 | 563 | 53 | 1000 | 65258 | 75082 | 3751 |
| Paddy(<i>rabi</i>) | 571 | 1 | 409 | 20 | 1000 | 1383 | 2798 | 96 |
| wheat | 319 | 44 | 632 | 4 | 1000 | 39556 | 61930 | 3102 |
| other cereals | 243 | 121 | 548 | 88 | 1000 | 8585 | 25904 | 1232 |
| pulses | 183 | 144 | 377 | 295 | 1000 | 9398 | 23226 | 1089 |
| oil seeds | 213 | 216 | 418 | 153 | 1000 | 2360 | 7060 | 354 |
| mixed crop | 88 | 44 | 430 | 438 | 1000 | 1488 | 2865 | 157 |
| sugar cane | 38 | 74 | 888 | - | 1000 | 1011 | 1838 | 103 |
| vegetables | 172 | 110 | 648 | 70 | 1000 | 3282 | 17674 | 873 |
| fodder | 396 | 58 | 254 | 292 | 1000 | 242 | 1444 | 76 |
| fruits & nuts | 95 | 59 | 704 | 142 | 1000 | 177 | 498 | 25 |
| other cash crops | 450 | 62 | 279 | 209 | 1000 | 1250 | 2529 | 123 |
| others | 39 | 449 | 429 | 84 | 1000 | 340 | 809 | 32 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | | |
|-----------|-----|----|-----|----|------|--------|-------|------|
| all crops | 276 | 94 | 564 | 66 | 1000 | 134585 | 87084 | 4189 |
|-----------|-----|----|-----|----|------|--------|-------|------|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8): Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

| crop group | area (per 1000 hectares) under 5 major crops treated with | | | | | estd. area under the crop (00 ha.) | no. of hhs. cultivating the crop using fertiliser | |
|-------------------------|---|-------------|---------------------------|------|------|------------------------------------|---|--------|
| | fertiliser only | manure only | both manure & fertilisers | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Gujarat | | | | | | | | |
| Paddy(<i>khariif</i>) | 41 | 66 | 872 | 21 | 1000 | 5643 | 7682 | 368 |
| Paddy(<i>rabi</i>) | - | 13 | 987 | - | 1000 | 541 | 849 | 37 |
| Wheat | 109 | 5 | 887 | - | 1000 | 9146 | 11115 | 570 |
| other cereals | 64 | 77 | 853 | 7 | 1000 | 15927 | 20704 | 1032 |
| Pulses | 51 | 68 | 832 | 49 | 1000 | 3863 | 5579 | 300 |
| oil seeds | 69 | 26 | 904 | 1 | 1000 | 13428 | 9480 | 480 |
| mixed crop | 60 | 17 | 921 | 2 | 1000 | 4023 | 3176 | 145 |
| sugar cane | 28 | - | 972 | - | 1000 | 1848 | 1214 | 64 |
| Vegetables | 39 | 75 | 886 | - | 1000 | 1239 | 2025 | 94 |
| Fodder | 32 | 109 | 701 | 158 | 1000 | 3163 | 6097 | 317 |
| fruits & nuts | - | 63 | 886 | 52 | 1000 | 462 | 433 | 17 |
| other cash crops | 30 | 14 | 951 | 5 | 1000 | 14152 | 8610 | 439 |
| Others | 309 | - | 660 | 31 | 1000 | 338 | 590 | 24 |
| all crops | 59 | 40 | 887 | 14 | 1000 | 73780 | 30486 | 1568 |
| Haryana | | | | | | | | |
| Paddy(<i>khariif</i>) | 384 | - | 616 | - | 1000 | 8077 | 4634 | 209 |
| Paddy(<i>rabi</i>) | - | - | 1000 | - | 1000 | 174 | 116 | 4 |
| Wheat | 433 | 16 | 545 | 6 | 1000 | 16092 | 9971 | 475 |
| other cereals | 268 | 53 | 517 | 162 | 1000 | 3717 | 3057 | 150 |
| Pulses | 160 | 86 | 225 | 530 | 1000 | 2000 | 1060 | 53 |
| oil seeds | 489 | 58 | 292 | 160 | 1000 | 2868 | 2352 | 124 |
| mixed crop | - | - | 1000 | - | 1000 | 96 | 97 | 4 |
| sugar cane | 269 | 6 | 725 | - | 1000 | 592 | 938 | 56 |
| Vegetables | 118 | - | 882 | - | 1000 | 341 | 809 | 40 |
| Fodder | 335 | 30 | 462 | 173 | 1000 | 3898 | 8343 | 370 |
| fruits & nuts | - | - | - | - | - | - | - | - |
| other cash crops | 507 | 6 | 390 | 97 | 1000 | 2506 | 1687 | 72 |
| Others | 333 | 3 | 438 | 226 | 1000 | 1729 | 935 | 40 |
| all crops | 383 | 22 | 511 | 84 | 1000 | 42089 | 11216 | 510 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8): Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

| crop-group | area (per 1000 hectares) under 5 major crops treated with | | | | | estd. area under the crop | no. of hhs. cultivating the crop using fertiliser | |
|----------------------------|---|-------------|---------------------------|------|------|---------------------------|---|--------|
| | fertiliser only | manure only | both manure & fertilisers | none | all | (00 ha.) | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Himachal Pradesh | | | | | | | | |
| Paddy(<i>kharif</i>) | 14 | 183 | 800 | 4 | 1000 | 655 | 2778 | 523 |
| Paddy(<i>rabi</i>) | - | 632 | 368 | - | 1000 | 11 | 66 | 12 |
| wheat | 21 | 236 | 740 | 3 | 1000 | 3634 | 8303 | 1559 |
| other cereals | 18 | 227 | 753 | 2 | 1000 | 2881 | 7624 | 1431 |
| pulses | 32 | 610 | 325 | 33 | 1000 | 139 | 880 | 168 |
| oil seeds | 3 | 151 | 842 | 4 | 1000 | 98 | 1028 | 189 |
| mixed crop | - | 185 | 815 | - | 1000 | 27 | 101 | 20 |
| sugar cane | 87 | 339 | 574 | - | 1000 | 22 | 161 | 32 |
| vegetables | 4 | 399 | 593 | 4 | 1000 | 162 | 1788 | 343 |
| fodder | 16 | 99 | 879 | 6 | 1000 | 105 | 915 | 170 |
| fruits & nuts | 34 | 22 | 940 | 3 | 1000 | 413 | 630 | 110 |
| other cash crops | 11 | 128 | 853 | 8 | 1000 | 317 | 1030 | 163 |
| others | 12 | 587 | 384 | 18 | 1000 | 122 | 547 | 103 |
| all crops | 19 | 226 | 750 | 4 | 1000 | 8587 | 8774 | 1642 |
| Jammu & Kashmir | | | | | | | | |
| Paddy(<i>kharif</i>) | 144 | 32 | 821 | 3 | 1000 | 2191 | 4989 | 1065 |
| Paddy(<i>rabi</i>) | 219 | 72 | 709 | - | 1000 | 56 | 191 | 33 |
| wheat | 44 | 89 | 867 | - | 1000 | 2010 | 2677 | 712 |
| other cereals | 28 | 169 | 801 | 2 | 1000 | 985 | 2159 | 510 |
| pulses | 51 | 161 | 769 | 19 | 1000 | 193 | 1297 | 254 |
| oil seeds | 294 | 19 | 677 | 10 | 1000 | 642 | 2298 | 410 |
| mixed crop | 63 | - | 937 | - | 1000 | 23 | 127 | 30 |
| sugar cane | 915 | - | 85 | - | 1000 | 11 | 36 | 12 |
| vegetables | 114 | 98 | 774 | 14 | 1000 | 424 | 3680 | 683 |
| fodder | 134 | 27 | 727 | 112 | 1000 | 342 | 2012 | 484 |
| fruits & nuts | 327 | 23 | 577 | 73 | 1000 | 500 | 1328 | 238 |
| other cash crops | - | - | 1000 | - | 1000 | 34 | 86 | 13 |
| others | 222 | 45 | 728 | 5 | 1000 | 135 | 488 | 122 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | |
|-----------|-----|----|-----|----|------|------|------|------|
| all crops | 125 | 70 | 791 | 13 | 1000 | 7547 | 7213 | 1529 |
|-----------|-----|----|-----|----|------|------|------|------|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8): Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

| crop group | area (per 1000 hectares) under 5 major crops treated with | | | | | estd. area under the crop (00 ha.) | no. of hhs. cultivating the crop using fertiliser | |
|-------------------------|---|----------------|------------------------------|------------|-------------|---|---|-------------|
| | fertiliser only | manure only | both manure & fertilisers | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Karnataka | | | | | | | | |
| Paddy(<i>khariif</i>) | 67 | 9 | 908 | 16 | 1000 | 9279 | 10603 | 475 |
| Paddy(<i>rabi</i>) | 115 | 29 | 843 | 12 | 1000 | 1707 | 2023 | 89 |
| wheat | 165 | 151 | 651 | 33 | 1000 | 1374 | 1650 | 69 |
| other cereals | 130 | 171 | 631 | 68 | 1000 | 34052 | 25490 | 1100 |
| pulses | 59 | 187 | 670 | 84 | 1000 | 11180 | 9175 | 404 |
| oil seeds | 197 | 113 | 634 | 55 | 1000 | 13590 | 9401 | 386 |
| mixed crop | 64 | 93 | 822 | 20 | 1000 | 5374 | 4581 | 200 |
| sugar cane | 131 | 53 | 795 | 21 | 1000 | 2123 | 2620 | 114 |
| vegetables | 36 | 39 | 891 | 33 | 1000 | 1666 | 2786 | 124 |
| fodder | 69 | 158 | 511 | 263 | 1000 | 572 | 638 | 24 |
| fruits & nuts | 44 | 164 | 626 | 166 | 1000 | 1608 | 2901 | 133 |
| other cash crops | 83 | 12 | 901 | 4 | 1000 | 7099 | 6770 | 296 |
| others | 80 | 145 | 633 | 141 | 1000 | 919 | 1579 | 64 |
| all crops | 113 | 122 | 710 | 55 | 1000 | 90596 | 41880 | 1816 |
| Kerala | | | | | | | | |
| Paddy(<i>khariif</i>) | 366 | 13 | 589 | 33 | 1000 | 1367 | 3397 | 215 |
| Paddy(<i>rabi</i>) | 123 | 41 | 807 | 30 | 1000 | 517 | 1788 | 114 |
| wheat | - | - | 1000 | - | 1000 | 5 | 45 | 2 |
| other cereals | 42 | 132 | 697 | 129 | 1000 | 216 | 1124 | 66 |
| pulses | - | - | 287 | 713 | 1000 | 25 | 18 | 1 |
| oil seeds | 193 | 261 | 448 | 98 | 1000 | 488 | 2671 | 167 |
| mixed crop | 67 | 247 | 627 | 59 | 1000 | 480 | 2116 | 138 |
| sugar cane | - | 585 | 415 | - | 1000 | 10 | 83 | 6 |
| vegetables | 43 | 272 | 618 | 67 | 1000 | 263 | 5649 | 350 |
| fodder | - | - | 447 | 553 | 1000 | 3 | 15 | 1 |
| fruits & nuts | 63 | 266 | 484 | 187 | 1000 | 1585 | 13902 | 854 |
| other cash crops | 130 | 236 | 473 | 162 | 1000 | 4241 | 12161 | 712 |
| others | 23 | 209 | 458 | 310 | 1000 | 393 | 3601 | 219 |
| all crops | 143 | 197 | 523 | 137 | 1000 | 9599 | 27015 | 1648 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8): Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

| crop group | area (per 1000 hectares) under 5 major crops treated with | | | | | estd. area under the crop (00 ha.) | no. of hhs. cultivating the crop using fertiliser | |
|-------------------------|---|----------------|------------------------------|------------|-------------|---|---|-------------|
| | fertiliser only | manure only | both manure & fertilisers | none | all | | estd. (00) | sample |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Madhya Pradesh | | | | | | | | |
| Paddy(<i>khariif</i>) | 108 | 259 | 508 | 125 | 1000 | 50255 | 35642 | 1822 |
| Paddy(<i>rabi</i>) | 87 | 153 | 732 | 28 | 1000 | 1299 | 1236 | 64 |
| wheat | 299 | 95 | 546 | 59 | 1000 | 55564 | 36294 | 1907 |
| other cereals | 76 | 169 | 666 | 89 | 1000 | 21844 | 16846 | 912 |
| pulses | 192 | 196 | 444 | 168 | 1000 | 23033 | 24518 | 1281 |
| oil seeds | 262 | 138 | 489 | 112 | 1000 | 41323 | 24178 | 1257 |
| mixed crop | 287 | 121 | 372 | 221 | 1000 | 8529 | 4938 | 271 |
| sugar cane | 199 | 78 | 686 | 37 | 1000 | 527 | 758 | 40 |
| vegetables | 175 | 369 | 365 | 91 | 1000 | 2327 | 5801 | 268 |
| fodder | 148 | 66 | 299 | 487 | 1000 | 1247 | 1597 | 85 |
| fruits & nuts | - | 4 | 718 | 278 | 1000 | 165 | 76 | 5 |
| other cash crops | 122 | 14 | 838 | 26 | 1000 | 5995 | 5156 | 261 |
| others | 302 | 70 | 358 | 270 | 1000 | 1842 | 1209 | 58 |
| all crops | 203 | 162 | 525 | 109 | 1000 | 213999 | 68521 | 3485 |
| Maharashtra | | | | | | | | |
| Paddy(<i>khariif</i>) | 183 | 108 | 664 | 45 | 1000 | 11884 | 16765 | 773 |
| Paddy(<i>rabi</i>) | 174 | 59 | 752 | 16 | 1000 | 292 | 504 | 25 |
| wheat | 256 | 139 | 572 | 33 | 1000 | 7973 | 10334 | 498 |
| other cereals | 132 | 206 | 548 | 113 | 1000 | 42767 | 34938 | 1512 |
| pulses | 280 | 112 | 448 | 161 | 1000 | 11002 | 12995 | 612 |
| oil seeds | 160 | 78 | 591 | 171 | 1000 | 6977 | 6713 | 302 |
| mixed crop | 364 | 12 | 590 | 34 | 1000 | 4585 | 2542 | 126 |
| sugar cane | 130 | 12 | 838 | 20 | 1000 | 3375 | 4391 | 203 |
| vegetables | 230 | 55 | 646 | 69 | 1000 | 1911 | 3797 | 184 |
| fodder | 56 | 228 | 477 | 239 | 1000 | 909 | 1536 | 72 |
| fruits & nuts | 56 | 31 | 857 | 56 | 1000 | 1781 | 2169 | 93 |
| other cash crops | 225 | 24 | 728 | 23 | 1000 | 19732 | 14245 | 643 |
| others | 371 | 35 | 267 | 328 | 1000 | 693 | 577 | 26 |
| all crops | 189 | 123 | 601 | 87 | 1000 | 113969 | 54606 | 2514 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8): Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

| crop group | area (per 1000 hectares) under 5 major crops treated with | | | | | estd. area under the crop (00 ha.) | no. of hhs. cultivating the crop using fertiliser | |
|-------------------------|---|-------------|---------------------------|------|------|------------------------------------|---|--------|
| | fertiliser only | manure only | both manure & fertilisers | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Manipur | | | | | | | | |
| Paddy(<i>khariif</i>) | 78 | 156 | 508 | 258 | 1000 | 1035 | 1123 | 368 |
| Paddy(<i>rabi</i>) | 726 | 5 | 11 | 257 | 1000 | 283 | 264 | 86 |
| wheat | - | - | 1000 | - | 1000 | 0 | 2 | 1 |
| other cereals | 358 | 341 | 245 | 56 | 1000 | 13 | 88 | 33 |
| pulses | 606 | 287 | 6 | 100 | 1000 | 21 | 140 | 44 |
| oil seeds | - | 805 | 40 | 155 | 1000 | 6 | 49 | 18 |
| mixed crop | 2 | 85 | 420 | 493 | 1000 | 45 | 222 | 84 |
| sugar cane | - | - | - | - | - | - | - | - |
| vegetables | 135 | 106 | 251 | 508 | 1000 | 113 | 594 | 198 |
| fodder | - | 442 | - | 558 | 1000 | 1 | 7 | 2 |
| fruits & nuts | 28 | 12 | - | 960 | 1000 | 5 | 14 | 3 |
| other cash crops | 217 | - | 187 | 596 | 1000 | 5 | 10 | 2 |
| others | 33 | 47 | 7 | 912 | 1000 | 26 | 80 | 20 |
| all crops | 205 | 125 | 377 | 293 | 1000 | 1566 | 1520 | 487 |

Meghalaya

| | | | | | | | | |
|-------------------------|-----|-----|-----|------|------|------|------|-----|
| Paddy(<i>khariif</i>) | 150 | 104 | 83 | 663 | 1000 | 1313 | 789 | 240 |
| Paddy(<i>rabi</i>) | 72 | 114 | 364 | 450 | 1000 | 94 | 110 | 30 |
| wheat | 146 | 357 | 496 | - | 1000 | 5 | 20 | 7 |
| other cereals | 18 | 447 | 19 | 515 | 1000 | 169 | 263 | 68 |
| pulses | - | 336 | 192 | 472 | 1000 | 6 | 43 | 16 |
| oil seeds | - | - | - | 1000 | 1000 | 4 | - | - |
| mixed crop | 10 | 110 | 55 | 825 | 1000 | 222 | 116 | 38 |
| sugar cane | - | - | - | - | - | - | - | - |
| vegetables | 85 | 592 | 105 | 218 | 1000 | 898 | 2038 | 527 |
| fodder | - | - | - | 1000 | 1000 | 1 | - | - |
| fruits & nuts | 5 | 158 | 60 | 777 | 1000 | 234 | 105 | 44 |
| other cash crops | - | 58 | 98 | 844 | 1000 | 102 | 45 | 15 |
| others | - | 330 | 10 | 659 | 1000 | 123 | 140 | 51 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | |
|-----------|----|-----|----|-----|------|------|------|-----|
| all crops | 91 | 273 | 89 | 548 | 1000 | 3171 | 2052 | 425 |
|-----------|----|-----|----|-----|------|------|------|-----|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8): Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

| crop group | area (per 1000 hectares) under 5 major crops treated with | | | | | estd. area under the crop (00 ha.) | no. of hhs. cultivating the crop using fertiliser | |
|-------------------------|---|-------------|---------------------------|------|------|------------------------------------|---|--------|
| | fertiliser only | manure only | both manure & fertilisers | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Mizoram | | | | | | | | |
| Paddy(<i>khariif</i>) | 33 | 18 | 8 | 940 | 1000 | 219 | 22 | 13 |
| Paddy(<i>rabi</i>) | - | - | - | 1000 | 1000 | 29 | - | - |
| wheat | - | - | - | - | - | - | - | - |
| other cereals | 11 | - | 19 | 969 | 1000 | 8 | 1 | 3 |
| pulses | 24 | - | - | 976 | 1000 | 16 | 3 | 2 |
| oil seeds | - | - | - | 1000 | 1000 | 0 | - | - |
| mixed crop | 28 | - | - | 972 | 1000 | 125 | 4 | 2 |
| sugar cane | - | 293 | - | 707 | 1000 | 6 | 2 | 1 |
| vegetables | 8 | - | 3 | 989 | 1000 | 46 | 4 | 6 |
| fodder | - | - | - | 1000 | 1000 | 0 | - | - |
| fruits & nuts | 30 | 423 | 12 | 535 | 1000 | 12 | 10 | 10 |
| other cash crops | 22 | 23 | 28 | 927 | 1000 | 28 | 10 | 7 |
| others | - | - | - | 1000 | 1000 | 18 | - | - |
| all crops | 25 | 22 | 6 | 947 | 1000 | 508 | 32 | 15 |
| Nagaland | | | | | | | | |
| Paddy(<i>khariif</i>) | 17 | 590 | 22 | 371 | 1000 | 978 | 337 | 375 |
| Paddy(<i>rabi</i>) | 59 | 196 | 49 | 696 | 1000 | 363 | 142 | 134 |
| wheat | - | 218 | - | 782 | 1000 | 8 | 3 | 3 |
| other cereals | 33 | 405 | 39 | 523 | 1000 | 160 | 215 | 219 |
| pulses | 4 | 202 | 5 | 789 | 1000 | 46 | 55 | 63 |
| oil seeds | 409 | 395 | 75 | 121 | 1000 | 12 | 34 | 17 |
| mixed crop | 51 | 630 | 44 | 274 | 1000 | 141 | 173 | 186 |
| sugar cane | - | - | - | - | - | - | - | - |
| vegetables | 19 | 562 | 23 | 396 | 1000 | 254 | 328 | 316 |
| fodder | 5 | 322 | - | 673 | 1000 | 8 | 25 | 17 |
| fruits & nuts | - | 122 | - | 878 | 1000 | 2 | 2 | 3 |
| other cash crops | - | 696 | 8 | 296 | 1000 | 101 | 75 | 67 |
| others | 7 | 852 | 1 | 140 | 1000 | 107 | 102 | 116 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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| | | | | | | | | |
|-----------|----|-----|----|-----|------|------|-----|-----|
| all crops | 28 | 519 | 27 | 426 | 1000 | 2190 | 545 | 474 |
|-----------|----|-----|----|-----|------|------|-----|-----|

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8): Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

| crop group | area (per 1000 hectares) under 5 major crops treated with | | | | | estd. area under the crop (00 ha.) | no. of hhs. cultivating the crop using fertiliser | |
|-------------------------|---|----------------|------------------------------|------|------|---|---|--------|
| | fertiliser only | manure only | both manure & fertilisers | none | all | | estd. (00) | sample |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Orissa | | | | | | | | |
| Paddy(<i>khariif</i>) | 43 | 289 | 626 | 41 | 1000 | 30778 | 35924 | 1919 |
| Paddy(<i>rabi</i>) | 111 | 4 | 855 | 31 | 1000 | 1290 | 2600 | 149 |
| Wheat | - | 59 | 751 | 190 | 1000 | 73 | 249 | 13 |
| other cereals | 17 | 413 | 131 | 439 | 1000 | 1177 | 2779 | 153 |
| Pulses | 29 | 192 | 499 | 279 | 1000 | 3367 | 4726 | 254 |
| oil seeds | 5 | 480 | 260 | 256 | 1000 | 439 | 1747 | 99 |
| mixed crop | - | 32 | 968 | - | 1000 | 16 | 90 | 4 |
| sugar cane | - | 163 | 715 | 122 | 1000 | 58 | 301 | 16 |
| Vegetables | 15 | 260 | 486 | 240 | 1000 | 647 | 4753 | 252 |
| Fodder | - | - | - | 1000 | 1000 | 4 | - | - |
| fruits & nuts | - | 89 | 716 | 195 | 1000 | 66 | 321 | 21 |
| other cash crops | - | 29 | 902 | 69 | 1000 | 317 | 438 | 20 |
| Others | - | 403 | - | 597 | 1000 | 42 | 68 | 4 |
| all crops | 42 | 273 | 603 | 81 | 1000 | 38276 | 37128 | 1980 |
| Punjab | | | | | | | | |
| Paddy(<i>khariif</i>) | 190 | 0 | 805 | 6 | 1000 | 14095 | 6642 | 572 |
| Paddy(<i>rabi</i>) | 93 | 20 | 887 | - | 1000 | 571 | 314 | 27 |
| Wheat | 328 | 2 | 666 | 4 | 1000 | 21703 | 9285 | 800 |
| other cereals | 95 | 116 | 782 | 7 | 1000 | 730 | 873 | 84 |
| Pulses | - | 38 | 962 | - | 1000 | 89 | 147 | 13 |
| oil seeds | 110 | 12 | 878 | - | 1000 | 199 | 387 | 38 |
| mixed crop | - | - | 1000 | - | 1000 | 24 | 59 | 5 |
| sugar cane | 221 | - | 779 | - | 1000 | 189 | 358 | 33 |
| Vegetables | 29 | - | 971 | - | 1000 | 324 | 329 | 30 |
| Fodder | 137 | 26 | 829 | 7 | 1000 | 4913 | 14141 | 1174 |
| fruits & nuts | - | - | 1000 | - | 1000 | 146 | 32 | 1 |
| other cash crops | 678 | 0 | 322 | - | 1000 | 6573 | 2523 | 204 |
| Others | 13 | - | 986 | 1 | 1000 | 374 | 157 | 13 |
| all crops | 303 | 5 | 687 | 4 | 1000 | 49942 | 10077 | 875 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8): Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

| crop group | area (per 1000 hectares) under 5 major crops treated with | | | | | estd. area under the crop (00 ha.) | no. of hhs. cultivating the crop using fertiliser | |
|-------------------------|---|----------------|------------------------------|------|------|---|---|--------|
| | fertiliser only | manure only | both manure & fertilisers | none | all | | estd. (00) | sample |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Rajasthan | | | | | | | | |
| Paddy(<i>khariif</i>) | 265 | 214 | 519 | 3 | 1000 | 1259 | 2369 | 111 |
| Paddy(<i>rabi</i>) | 11 | - | 989 | - | 1000 | 285 | 253 | 13 |
| wheat | 185 | 75 | 722 | 19 | 1000 | 32952 | 29623 | 1602 |
| other cereals | 68 | 371 | 441 | 120 | 1000 | 54819 | 36120 | 1962 |
| pulses | 121 | 388 | 361 | 129 | 1000 | 19670 | 13623 | 758 |
| oil seeds | 264 | 119 | 574 | 43 | 1000 | 19110 | 16457 | 901 |
| mixed crop | 23 | 516 | 65 | 396 | 1000 | 13654 | 6255 | 322 |
| sugar cane | 285 | 434 | 268 | 13 | 1000 | 582 | 851 | 44 |
| vegetables | 198 | 76 | 718 | 9 | 1000 | 403 | 945 | 59 |
| fodder | 146 | 426 | 307 | 121 | 1000 | 5670 | 8177 | 463 |
| fruits & nuts | - | - | 1000 | - | 1000 | 83 | 86 | 5 |
| other cash crops | 111 | 159 | 699 | 31 | 1000 | 12265 | 6401 | 358 |
| others | 34 | 113 | 303 | 550 | 1000 | 4638 | 2891 | 156 |
| all crops | 124 | 273 | 485 | 118 | 1000 | 165418 | 45601 | 2367 |
| Sikkim | | | | | | | | |
| Paddy(<i>khariif</i>) | 69 | 568 | 205 | 158 | 1000 | 63 | 132 | 152 |
| Paddy(<i>rabi</i>) | - | 649 | 187 | 164 | 1000 | 2 | 11 | 11 |
| wheat | 100 | 306 | 575 | 20 | 1000 | 8 | 41 | 45 |
| other cereals | 11 | 619 | 331 | 39 | 1000 | 189 | 608 | 611 |
| pulses | - | 894 | 29 | 77 | 1000 | 10 | 60 | 70 |
| oil seeds | - | 823 | 109 | 68 | 1000 | 3 | 16 | 16 |
| mixed crop | - | 1000 | - | - | 1000 | 1 | 13 | 15 |
| sugar cane | - | - | - | 1000 | 1000 | 0 | - | - |
| vegetables | 1 | 939 | 49 | 11 | 1000 | 66 | 526 | 598 |
| fodder | - | 283 | 155 | 562 | 1000 | 11 | 39 | 44 |
| fruits & nuts | - | 869 | - | 131 | 1000 | 5 | 22 | 25 |
| other cash crops | - | 531 | 64 | 405 | 1000 | 78 | 208 | 225 |
| others | - | 217 | - | 783 | 1000 | 3 | 4 | 5 |
| all crops | 17 | 638 | 207 | 138 | 1000 | 438 | 579 | 618 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8): Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

| crop group | area (per 1000 hectares) under 5 major crops treated with | | | | | estd. area under the crop (00 ha.) | no. of hhs. cultivating the crop using fertiliser | |
|-------------------------|---|----------------|------------------------------|------|------|---|---|------|
| | fertiliser only | manure only | both manure & fertilisers | none | all | estd. (00) | sample | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Tamil Nadu | | | | | | | | |
| Paddy(<i>khariif</i>) | 54 | 13 | 930 | 3 | 1000 | 9711 | 14271 | 806 |
| Paddy(<i>rabi</i>) | 74 | 9 | 910 | 8 | 1000 | 5861 | 9050 | 494 |
| Wheat | 38 | 110 | 776 | 76 | 1000 | 81 | 140 | 8 |
| other cereals | 159 | 116 | 684 | 41 | 1000 | 5316 | 6883 | 360 |
| Pulses | 147 | 116 | 451 | 285 | 1000 | 1920 | 1795 | 106 |
| oil seeds | 212 | 68 | 674 | 46 | 1000 | 2413 | 3525 | 200 |
| mixed crop | - | 234 | 755 | 11 | 1000 | 596 | 645 | 36 |
| sugar cane | 164 | 19 | 790 | 27 | 1000 | 1720 | 2086 | 100 |
| Vegetables | 192 | 30 | 707 | 70 | 1000 | 947 | 2246 | 113 |
| Fodder | 14 | 405 | 227 | 354 | 1000 | 462 | 803 | 43 |
| fruits & nuts | 175 | 262 | 412 | 151 | 1000 | 1796 | 3091 | 173 |
| other cash crops | 174 | 79 | 712 | 35 | 1000 | 3178 | 5094 | 270 |
| Others | 84 | 61 | 742 | 113 | 1000 | 855 | 1343 | 64 |
| all crops | 115 | 68 | 768 | 49 | 1000 | 34863 | 32476 | 1789 |
| Tripura | | | | | | | | |
| Paddy(<i>khariif</i>) | 78 | 179 | 639 | 104 | 1000 | 766 | 1445 | 287 |
| Paddy(<i>rabi</i>) | 30 | 261 | 627 | 82 | 1000 | 404 | 864 | 182 |
| Wheat | 48 | - | 952 | - | 1000 | 57 | 124 | 17 |
| other cereals | - | 1000 | - | - | 1000 | 2 | 5 | 1 |
| Pulses | - | - | - | - | - | - | - | - |
| oil seeds | - | - | - | - | - | - | - | - |
| mixed crop | - | - | - | 1000 | 1000 | 5 | - | - |
| sugar cane | - | - | - | - | - | - | - | - |
| Vegetables | 80 | 205 | 592 | 123 | 1000 | 163 | 818 | 161 |
| Fodder | - | - | - | - | - | - | - | - |
| fruits & nuts | 430 | - | 403 | 167 | 1000 | 12 | 44 | 10 |
| other cash crops | - | - | 1000 | - | 1000 | 3 | 12 | 3 |
| Others | - | 613 | 102 | 285 | 1000 | 2 | 7 | 2 |
| all crops | 66 | 197 | 638 | 99 | 1000 | 1415 | 2024 | 398 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8): Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

| crop group | area (per 1000 hectares) under 5 major crops treated with | | | | | estd. area under the crop (00 ha.) | no. of hhs. cultivating the crop using fertiliser | |
|-------------------------|---|----------------|------------------------------|------|------|---|---|--------|
| | fertiliser only | manure only | both manure & fertilisers | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Uttar Pradesh | | | | | | | | |
| Paddy(<i>khariif</i>) | 221 | 33 | 736 | 10 | 1000 | 60141 | 116536 | 4885 |
| Paddy(<i>rabi</i>) | 156 | 5 | 838 | 1 | 1000 | 1405 | 2500 | 110 |
| Wheat | 237 | 26 | 733 | 4 | 1000 | 94610 | 157778 | 6680 |
| other cereals | 271 | 101 | 589 | 40 | 1000 | 26849 | 58975 | 2211 |
| Pulses | 224 | 128 | 530 | 118 | 1000 | 18741 | 52024 | 1980 |
| oil seeds | 291 | 103 | 540 | 66 | 1000 | 8174 | 27600 | 840 |
| mixed crop | 174 | 168 | 517 | 141 | 1000 | 5079 | 10775 | 468 |
| sugar cane | 123 | 8 | 864 | 5 | 1000 | 14807 | 30375 | 1335 |
| Vegetables | 233 | 76 | 677 | 14 | 1000 | 5576 | 26331 | 1223 |
| Fodder | 280 | 66 | 561 | 92 | 1000 | 9734 | 36582 | 1574 |
| fruits & nuts | 286 | 69 | 402 | 242 | 1000 | 890 | 1892 | 86 |
| other cash crops | 171 | 67 | 757 | 4 | 1000 | 2629 | 5922 | 243 |
| Others | 111 | 22 | 844 | 24 | 1000 | 1721 | 5368 | 235 |
| all crops | 230 | 51 | 692 | 27 | 1000 | 250492 | 168667 | 7062 |
| West Bengal | | | | | | | | |
| Paddy(<i>khariif</i>) | 198 | 17 | 754 | 31 | 1000 | 28359 | 51603 | 2458 |
| Paddy(<i>rabi</i>) | 348 | 24 | 623 | 4 | 1000 | 7499 | 19472 | 880 |
| Wheat | 246 | 4 | 741 | 10 | 1000 | 3067 | 10169 | 461 |
| other cereals | 174 | 185 | 617 | 24 | 1000 | 257 | 1153 | 53 |
| Pulses | 346 | 50 | 420 | 183 | 1000 | 680 | 2686 | 124 |
| oil seeds | 194 | 13 | 700 | 92 | 1000 | 1811 | 6966 | 322 |
| mixed crop | 56 | 409 | 90 | 444 | 1000 | 195 | 454 | 19 |
| sugar cane | 126 | 65 | 809 | - | 1000 | 124 | 607 | 28 |
| Vegetables | 292 | 40 | 654 | 13 | 1000 | 3929 | 17086 | 763 |
| Fodder | 24 | - | 964 | 11 | 1000 | 18 | 64 | 3 |
| fruits & nuts | 702 | 31 | 238 | 29 | 1000 | 252 | 1187 | 51 |
| other cash crops | 317 | 46 | 588 | 49 | 1000 | 3802 | 11169 | 507 |
| Others | 109 | 25 | 844 | 21 | 1000 | 769 | 2331 | 106 |
| all crops | 241 | 25 | 703 | 31 | 1000 | 50792 | 59426 | 2775 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8): Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

| crop group | area (per 1000 hectares) under 5 major crops treated with | | | | | estd. area under the crop (00 ha.) | no. of hhs. cultivating the crop using fertiliser | |
|----------------------------|---|-------------|---------------------------|------|------|------------------------------------|---|--------|
| | fertiliser only | manure only | both manure & fertilisers | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| A. & N. Islands | | | | | | | | |
| Paddy(<i>khariif</i>) | 86 | 221 | 415 | 278 | 1000 | 109 | 55 | 46 |
| Paddy(<i>rabi</i>) | - | - | 1000 | - | 1000 | 0 | 0 | 1 |
| Wheat | - | - | - | - | - | - | - | - |
| other cereals | - | - | - | - | - | - | - | - |
| Pulses | - | 418 | 459 | 124 | 1000 | 12 | 29 | 27 |
| oil seeds | - | - | - | - | - | - | - | - |
| mixed crop | - | - | - | - | - | - | - | - |
| sugar cane | - | - | - | - | - | - | - | - |
| Vegetables | 4 | 42 | 405 | 549 | 1000 | 17 | 29 | 22 |
| Fodder | - | - | - | - | - | - | - | - |
| fruits & nuts | - | - | - | - | - | - | - | - |
| other cash crops | - | - | - | - | - | - | - | - |
| Others | - | - | - | - | - | - | - | - |
| all crops | 68 | 215 | 418 | 298 | 1000 | 138 | 75 | 59 |
| India | | | | | | | | |
| Paddy(<i>khariif</i>) | 169 | 112 | 656 | 63 | 1000 | 348071 | 436918 | 24178 |
| Paddy(<i>rabi</i>) | 206 | 44 | 686 | 65 | 1000 | 36284 | 56569 | 3217 |
| Wheat | 264 | 51 | 667 | 18 | 1000 | 289342 | 352080 | 18801 |
| other cereals | 126 | 203 | 585 | 86 | 1000 | 229847 | 251742 | 14399 |
| Pulses | 167 | 186 | 486 | 161 | 1000 | 113692 | 162648 | 8125 |
| oil seeds | 213 | 105 | 608 | 74 | 1000 | 127563 | 132768 | 6736 |
| mixed crop | 132 | 211 | 463 | 195 | 1000 | 49306 | 41840 | 2455 |
| sugar cane | 128 | 26 | 832 | 14 | 1000 | 29062 | 49495 | 2331 |
| Vegetables | 165 | 154 | 605 | 76 | 1000 | 29845 | 113396 | 8599 |
| Fodder | 191 | 133 | 538 | 138 | 1000 | 32133 | 82468 | 4963 |
| fruits & nuts | 111 | 137 | 595 | 156 | 1000 | 12150 | 30328 | 2033 |
| other cash crops | 189 | 54 | 725 | 32 | 1000 | 92959 | 92111 | 5128 |
| Others | 151 | 82 | 504 | 263 | 1000 | 17715 | 26198 | 1716 |
| all crops | 185 | 117 | 625 | 73 | 1000 | 1408832 | 751277 | 42422 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8.1): Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

| crop group | per 1000 distribution of area treated with | | | | estd. manure- treated area under the crop (00 ha) | no.of hhs. reporting use of manure | |
|------------------------|--|-------------------|-----------------|------|--|---------------------------------------|--------|
| | compost | bio-gas slurry | other manure | all | | estd (00). | sample |
| (1) | (2) | (3) | (4) | (6) | (7) | (8) | (9) |
| Andhra Pradesh | | | | | | | |
| Paddy(<i>kharif</i>) | 611 | 34 | 354 | 1000 | 23190 | 27332 | 1285 |
| Paddy(<i>rabi</i>) | 681 | 8 | 311 | 1000 | 6530 | 7056 | 297 |
| wheat | 380 | 89 | 531 | 1000 | 241 | 227 | 12 |
| other cereals | 628 | 85 | 286 | 1000 | 7197 | 9056 | 461 |
| pulses | 546 | 54 | 400 | 1000 | 5173 | 6149 | 279 |
| oil seeds | 454 | 51 | 496 | 1000 | 11918 | 9019 | 426 |
| mixed crop | 167 | 67 | 766 | 1000 | 3939 | 2479 | 113 |
| sugar cane | 701 | - | 299 | 1000 | 1396 | 2043 | 93 |
| vegetables | 597 | 55 | 348 | 1000 | 1047 | 1962 | 99 |
| fodder | 596 | 100 | 305 | 1000 | 287 | 412 | 19 |
| fruits & nuts | 417 | 84 | 499 | 1000 | 1312 | 1223 | 57 |
| other cash crops | 565 | 67 | 368 | 1000 | 7226 | 7478 | 362 |
| others | 893 | 18 | 90 | 1000 | 1145 | 1157 | 55 |
| all crops | 561 | 47 | 392 | 1000 | 70660 | 47004 | 2227 |

Arunachal Pradesh

| | | | | | | | |
|------------------------|-----|---|------|------|----|-----|----|
| Paddy(<i>kharif</i>) | - | - | 1000 | 1000 | 56 | 157 | 59 |
| Paddy(<i>rabi</i>) | - | - | 1000 | 1000 | 1 | 4 | 2 |
| wheat | 851 | - | 149 | 1000 | 13 | 30 | 17 |
| other cereals | 641 | - | 359 | 1000 | 14 | 54 | 29 |
| pulses | - | - | 1000 | 1000 | 1 | 4 | 3 |
| oil seeds | - | - | 1000 | 1000 | 0 | 3 | 2 |
| mixed crop | 528 | - | 472 | 1000 | 8 | 69 | 34 |
| sugar cane | - | - | - | - | - | - | - |
| vegetables | 135 | - | 865 | 1000 | 26 | 187 | 85 |
| fodder | - | - | - | - | - | - | - |
| fruits & nuts | - | - | 1000 | 1000 | 2 | 8 | 5 |
| other cash crops | 135 | - | 865 | 1000 | 27 | 53 | 33 |
| others | - | - | 1000 | 1000 | 1 | 7 | 3 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | |
|-----------|-----|---|-----|------|-----|-----|-----|
| all crops | 207 | - | 793 | 1000 | 150 | 263 | 120 |
|-----------|-----|---|-----|------|-----|-----|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8.1): Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

| crop group | per 1000 distribution of area treated with | | | | estd. manure- treated area under the crop (00 ha) | no. of hhs. reporting use of manure | |
|------------------------|--|-------------------|-----------------|-------------|--|--|-------------|
| | compost | bio-gas slurry | other manure | all | | estd (00). | sample |
| (1) | (2) | (3) | (4) | (6) | (7) | (8) | (9) |
| Assam | | | | | | | |
| Paddy(<i>kharif</i>) | 150 | 98 | 752 | 1000 | 10040 | 10096 | 851 |
| Paddy(<i>rabi</i>) | 180 | 10 | 810 | 1000 | 1440 | 1493 | 141 |
| wheat | 10 | 140 | 850 | 1000 | 713 | 1363 | 127 |
| other cereals | 32 | - | 968 | 1000 | 288 | 782 | 73 |
| pulses | 39 | 10 | 951 | 1000 | 448 | 1449 | 117 |
| oil seeds | 115 | 46 | 840 | 1000 | 324 | 939 | 83 |
| mixed crop | - | - | 1000 | 1000 | 29 | 130 | 12 |
| sugar cane | 623 | 77 | 300 | 1000 | 192 | 316 | 23 |
| vegetables | 131 | 23 | 845 | 1000 | 2444 | 11063 | 1018 |
| fodder | 730 | - | 270 | 1000 | 12 | 33 | 3 |
| fruits & nuts | 4 | - | 996 | 1000 | 36 | 302 | 28 |
| other cash crops | 105 | 12 | 883 | 1000 | 120 | 292 | 30 |
| others | 16 | 3 | 981 | 1000 | 471 | 1069 | 96 |
| all crops | 139 | 72 | 789 | 1000 | 16559 | 16653 | 1455 |

Bihar

| | | | | | | | |
|------------------------|-----|----|-----|------|-------|-------|------|
| Paddy(<i>kharif</i>) | 429 | 7 | 564 | 1000 | 43978 | 51540 | 2639 |
| Paddy(<i>rabi</i>) | 585 | - | 415 | 1000 | 567 | 1098 | 49 |
| wheat | 340 | 8 | 652 | 1000 | 26770 | 41632 | 2121 |
| other cereals | 358 | 11 | 631 | 1000 | 5739 | 19381 | 941 |
| pulses | 369 | 1 | 630 | 1000 | 4902 | 17402 | 835 |
| oil seeds | 447 | 2 | 551 | 1000 | 1498 | 5379 | 274 |
| mixed crop | 690 | 8 | 301 | 1000 | 706 | 2185 | 120 |
| sugar cane | 140 | 10 | 849 | 1000 | 973 | 1674 | 95 |
| vegetables | 434 | 10 | 556 | 1000 | 2488 | 14389 | 730 |
| fodder | 249 | - | 751 | 1000 | 76 | 446 | 28 |
| fruits & nuts | 910 | - | 90 | 1000 | 135 | 396 | 20 |
| other cash crops | 579 | - | 421 | 1000 | 426 | 1467 | 80 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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 Appendix I
 Cultivation Practices in India

| | | | | | | | |
|-----------|-----|---|-----|------|-------|-------|------|
| others | 525 | - | 475 | 1000 | 298 | 714 | 27 |
| all crops | 396 | 7 | 597 | 1000 | 88586 | 63666 | 3235 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8.1): Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

| crop group | per 1000 distribution of area treated with | | | | estd. manure- treated area under the crop (00 ha) | no. of hhs. reporting use of manure | |
|------------------------|--|-------------------|-----------------|-------------|--|--|-------------|
| | compost | bio-gas slurry | other manure | all | | estd (00). | sample |
| (1) | (2) | (3) | (4) | (6) | (7) | (8) | (9) |
| Gujarat | | | | | | | |
| Paddy(<i>kharif</i>) | 601 | 44 | 355 | 1000 | 5292 | 6956 | 335 |
| Paddy(<i>rabi</i>) | 311 | 141 | 548 | 1000 | 541 | 849 | 37 |
| wheat | 433 | 70 | 497 | 1000 | 8151 | 9212 | 483 |
| other cereals | 357 | 62 | 581 | 1000 | 14807 | 17697 | 917 |
| pulses | 170 | 120 | 710 | 1000 | 3477 | 5167 | 278 |
| oil seeds | 411 | 23 | 565 | 1000 | 12496 | 7750 | 406 |
| mixed crop | 369 | 17 | 614 | 1000 | 3774 | 2405 | 119 |
| sugar cane | 833 | 41 | 126 | 1000 | 1796 | 1147 | 61 |
| vegetables | 437 | 78 | 485 | 1000 | 1191 | 1839 | 85 |
| fodder | 550 | 20 | 430 | 1000 | 2562 | 5400 | 277 |
| fruits & nuts | 301 | 179 | 520 | 1000 | 438 | 371 | 15 |
| other cash crops | 397 | 8 | 595 | 1000 | 13656 | 7522 | 389 |
| others | 467 | - | 533 | 1000 | 223 | 347 | 17 |
| all crops | 415 | 44 | 542 | 1000 | 68412 | 28778 | 1487 |
| Haryana | | | | | | | |
| Paddy(<i>kharif</i>) | 617 | 1 | 382 | 1000 | 4979 | 2610 | 121 |
| Paddy(<i>rabi</i>) | 220 | - | 780 | 1000 | 174 | 116 | 4 |
| wheat | 483 | 2 | 516 | 1000 | 9030 | 5369 | 266 |
| other cereals | 588 | - | 412 | 1000 | 2119 | 1780 | 93 |
| pulses | 175 | - | 825 | 1000 | 620 | 764 | 38 |
| oil seeds | 233 | - | 767 | 1000 | 1006 | 1233 | 65 |
| mixed crop | - | - | 1000 | 1000 | 96 | 97 | 4 |
| sugar cane | 756 | - | 244 | 1000 | 433 | 676 | 43 |
| vegetables | 518 | - | 482 | 1000 | 301 | 709 | 34 |
| fodder | 549 | - | 451 | 1000 | 1919 | 4015 | 185 |
| fruits & nuts | - | - | - | - | - | - | - |
| other cash crops | 504 | - | 496 | 1000 | 992 | 772 | 33 |
| others | 26 | - | 974 | 1000 | 762 | 515 | 22 |
| all crops | 495 | 1 | 504 | 1000 | 22431 | 7616 | 371 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8.1): Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

| crop group | per 1000 distribution of area treated with | | | | estd. manure- treated area under the crop (00 ha) | no. of hhs. reporting use of manure | |
|----------------------------|--|-------------------|-----------------|------|--|--|--------|
| | compost | bio-gas slurry | other manure | all | | estd (00). | sample |
| (1) | (2) | (3) | (4) | (6) | (7) | (8) | (9) |
| Himachal Pradesh | | | | | | | |
| Paddy(<i>kharif</i>) | 181 | 2 | 816 | 1000 | 644 | 2686 | 503 |
| Paddy(<i>rabi</i>) | 194 | - | 806 | 1000 | 11 | 59 | 11 |
| wheat | 358 | 3 | 639 | 1000 | 3545 | 8019 | 1504 |
| other cereals | 405 | 3 | 592 | 1000 | 2823 | 7233 | 1364 |
| pulses | 360 | - | 640 | 1000 | 130 | 832 | 160 |
| oil seeds | 382 | 10 | 609 | 1000 | 97 | 986 | 181 |
| mixed crop | 506 | - | 494 | 1000 | 27 | 101 | 20 |
| sugar cane | 234 | - | 766 | 1000 | 20 | 156 | 31 |
| vegetables | 499 | 1 | 499 | 1000 | 160 | 1686 | 323 |
| fodder | 280 | 11 | 710 | 1000 | 103 | 864 | 160 |
| fruits & nuts | 62 | - | 938 | 1000 | 398 | 600 | 105 |
| other cash crops | 698 | - | 302 | 1000 | 311 | 853 | 152 |
| others | 589 | - | 411 | 1000 | 118 | 515 | 97 |
| all crops | 364 | 3 | 633 | 1000 | 8388 | 8517 | 1593 |
| Jammu & Kashmir | | | | | | | |
| Paddy(<i>kharif</i>) | 393 | 2 | 605 | 1000 | 1869 | 4146 | 879 |
| Paddy(<i>rabi</i>) | 204 | - | 796 | 1000 | 43 | 104 | 22 |
| wheat | 554 | - | 446 | 1000 | 1922 | 2538 | 674 |
| other cereals | 311 | 2 | 687 | 1000 | 955 | 2064 | 477 |
| pulses | 355 | 0 | 644 | 1000 | 179 | 1206 | 239 |
| oil seeds | 217 | 1 | 782 | 1000 | 447 | 1856 | 341 |
| mixed crop | 236 | - | 764 | 1000 | 22 | 109 | 26 |
| sugar cane | - | - | 1000 | 1000 | 1 | 7 | 2 |
| vegetables | 140 | 2 | 857 | 1000 | 370 | 3255 | 626 |
| fodder | 543 | 1 | 456 | 1000 | 258 | 1741 | 415 |
| fruits & nuts | 327 | 0 | 673 | 1000 | 300 | 908 | 171 |
| other cash crops | 175 | - | 825 | 1000 | 34 | 86 | 13 |
| others | 826 | - | 174 | 1000 | 104 | 298 | 84 |
| all crops | 408 | 1 | 591 | 1000 | 6504 | 6797 | 1466 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8.1): Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

| crop group | per 1000 distribution of area treated with | | | | estd. manure- treated area under the crop (00 ha) | no. of hhs. reporting use of manure | |
|------------------------|--|-------------------|-----------------|-------------|--|--|-------------|
| | compost | bio-gas slurry | other manure | all | | estd (00). | sample |
| (1) | (2) | (3) | (4) | (6) | (7) | (8) | (9) |
| Karnataka | | | | | | | |
| Paddy(<i>kharif</i>) | 649 | 47 | 304 | 1000 | 8512 | 9766 | 441 |
| Paddy(<i>rabi</i>) | 581 | - | 419 | 1000 | 1489 | 1804 | 80 |
| wheat | 283 | - | 717 | 1000 | 1102 | 1316 | 55 |
| other cereals | 430 | 35 | 536 | 1000 | 27307 | 21940 | 980 |
| pulses | 274 | 54 | 671 | 1000 | 9586 | 8606 | 386 |
| oil seeds | 287 | 16 | 697 | 1000 | 10160 | 7588 | 322 |
| mixed crop | 316 | 6 | 678 | 1000 | 4920 | 4286 | 188 |
| sugar cane | 615 | 22 | 362 | 1000 | 1801 | 2354 | 103 |
| vegetables | 447 | 124 | 429 | 1000 | 1550 | 2642 | 118 |
| fodder | 167 | 50 | 783 | 1000 | 383 | 546 | 21 |
| fruits & nuts | 657 | 30 | 313 | 1000 | 1271 | 2601 | 119 |
| other cash crops | 472 | 14 | 514 | 1000 | 6476 | 6117 | 271 |
| others | 362 | 4 | 633 | 1000 | 715 | 1500 | 61 |
| all crops | 419 | 33 | 549 | 1000 | 75324 | 38128 | 1694 |
| Kerala | | | | | | | |
| Paddy(<i>kharif</i>) | 133 | 18 | 848 | 1000 | 822 | 2575 | 167 |
| Paddy(<i>rabi</i>) | 211 | 5 | 784 | 1000 | 438 | 1537 | 97 |
| wheat | - | - | 1000 | 1000 | 5 | 45 | 2 |
| other cereals | 32 | - | 968 | 1000 | 179 | 1041 | 62 |
| pulses | - | 1000 | - | 1000 | 7 | 18 | 1 |
| oil seeds | 345 | 22 | 633 | 1000 | 346 | 2524 | 160 |
| mixed crop | 291 | 57 | 652 | 1000 | 420 | 1941 | 130 |
| sugar cane | - | - | 1000 | 1000 | 10 | 83 | 6 |
| vegetables | 239 | 23 | 738 | 1000 | 234 | 5393 | 333 |
| fodder | 1000 | - | - | 1000 | 1 | 15 | 1 |
| fruits & nuts | 222 | 26 | 752 | 1000 | 1188 | 12952 | 796 |
| other cash crops | 308 | 55 | 637 | 1000 | 3003 | 10403 | 638 |
| others | 115 | 177 | 707 | 1000 | 262 | 3391 | 207 |
| all crops | 250 | 44 | 707 | 1000 | 6916 | 24650 | 1550 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8.1): Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

| crop group | per 1000 distribution of area treated with | | | | estd. manure-treated area under the crop (00 ha) | no. of hhs. reporting use of manure | |
|------------------------|--|----------------|--------------|-------------|--|-------------------------------------|-------------|
| | compost | bio-gas slurry | other manure | all | | estd (00). | sample |
| (1) | (2) | (3) | (4) | (6) | (7) | (8) | (9) |
| Madhya Pradesh | | | | | | | |
| Paddy(<i>kharif</i>) | 567 | 42 | 391 | 1000 | 38553 | 31003 | 1558 |
| Paddy(<i>rabi</i>) | 572 | 49 | 379 | 1000 | 1150 | 1052 | 53 |
| wheat | 442 | 20 | 538 | 1000 | 35644 | 23841 | 1238 |
| other cereals | 478 | 7 | 515 | 1000 | 18251 | 14956 | 809 |
| pulses | 562 | 15 | 423 | 1000 | 14740 | 19414 | 999 |
| oil seeds | 433 | 44 | 522 | 1000 | 25892 | 17894 | 931 |
| mixed crop | 304 | 6 | 690 | 1000 | 4201 | 2949 | 162 |
| sugar cane | 476 | 147 | 377 | 1000 | 402 | 612 | 34 |
| vegetables | 436 | 16 | 548 | 1000 | 1708 | 4949 | 236 |
| fodder | 399 | - | 601 | 1000 | 456 | 1223 | 66 |
| fruits & nuts | 832 | - | 168 | 1000 | 119 | 76 | 5 |
| other cash crops | 653 | 49 | 298 | 1000 | 5107 | 3966 | 196 |
| others | 892 | 9 | 99 | 1000 | 790 | 756 | 36 |
| all crops | 497 | 29 | 474 | 1000 | 147042 | 56464 | 2936 |
| Maharashtra | | | | | | | |
| Paddy(<i>kharif</i>) | 686 | 6 | 308 | 1000 | 9170 | 12844 | 599 |
| Paddy(<i>rabi</i>) | 208 | - | 792 | 1000 | 237 | 392 | 19 |
| wheat | 636 | 29 | 335 | 1000 | 5671 | 7523 | 363 |
| other cereals | 740 | 13 | 247 | 1000 | 32268 | 25428 | 1192 |
| pulses | 769 | 18 | 213 | 1000 | 6156 | 9577 | 448 |
| oil seeds | 787 | 28 | 185 | 1000 | 4668 | 5414 | 247 |
| mixed crop | 304 | - | 696 | 1000 | 2761 | 1572 | 73 |
| sugar cane | 687 | 43 | 270 | 1000 | 2869 | 3391 | 159 |
| vegetables | 662 | 9 | 329 | 1000 | 1339 | 2823 | 140 |
| fodder | 638 | 8 | 354 | 1000 | 641 | 1328 | 61 |
| fruits & nuts | 751 | 53 | 196 | 1000 | 1582 | 1977 | 85 |
| other cash crops | 643 | 4 | 353 | 1000 | 14842 | 11029 | 505 |
| others | 883 | - | 117 | 1000 | 209 | 317 | 16 |
| all crops | 695 | 14 | 291 | 1000 | 82495 | 44159 | 2069 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8.1): Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

| crop group | per 1000 distribution of area treated with | | | | estd. manure- treated area under the crop (00 ha) | no. of hhs. reporting use of manure | |
|------------------------|--|-------------------|-----------------|-------------|--|--|------------|
| | compost | bio-gas slurry | other manure | all | | estd (00). | sample |
| (1) | (2) | (3) | (4) | (6) | (7) | (8) | (9) |
| Manipur | | | | | | | |
| Paddy(<i>kharif</i>) | 460 | 4 | 536 | 1000 | 688 | 994 | 327 |
| Paddy(<i>rabi</i>) | - | - | 1000 | 1000 | 5 | 5 | 2 |
| wheat | 1000 | - | - | 1000 | 0 | 2 | 1 |
| other cereals | 191 | - | 809 | 1000 | 8 | 71 | 29 |
| pulses | 11 | 12 | 977 | 1000 | 6 | 77 | 28 |
| oil seeds | 13 | 15 | 972 | 1000 | 5 | 49 | 18 |
| mixed crop | 496 | 23 | 481 | 1000 | 23 | 206 | 82 |
| sugar cane | - | - | - | - | - | - | - |
| vegetables | 197 | 23 | 779 | 1000 | 40 | 430 | 153 |
| fodder | - | - | 1000 | 1000 | 0 | 7 | 2 |
| fruits & nuts | - | - | 1000 | 1000 | 0 | 3 | 1 |
| other cash crops | 1000 | - | - | 1000 | 1 | 3 | 1 |
| others | - | 154 | 846 | 1000 | 1 | 46 | 14 |
| all crops | 442 | 6 | 553 | 1000 | 785 | 1095 | 357 |
| Meghalaya | | | | | | | |
| Paddy(<i>kharif</i>) | 478 | 8 | 514 | 1000 | 246 | 460 | 141 |
| Paddy(<i>rabi</i>) | 228 | - | 772 | 1000 | 45 | 98 | 26 |
| wheat | 517 | - | 483 | 1000 | 4 | 16 | 6 |
| other cereals | 58 | - | 942 | 1000 | 79 | 240 | 63 |
| pulses | 715 | - | 285 | 1000 | 3 | 43 | 16 |
| oil seeds | - | - | - | - | - | - | - |
| mixed crop | 150 | - | 850 | 1000 | 37 | 109 | 37 |
| sugar cane | - | - | - | - | - | - | - |
| vegetables | 124 | 2 | 874 | 1000 | 626 | 1477 | 438 |
| fodder | - | - | - | - | - | - | - |
| fruits & nuts | 106 | - | 894 | 1000 | 51 | 88 | 38 |
| other cash crops | 75 | - | 925 | 1000 | 16 | 45 | 15 |
| others | 290 | 16 | 694 | 1000 | 42 | 140 | 51 |
| all crops | 208 | 3 | 789 | 1000 | 1148 | 1699 | 503 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8.1): Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

| crop group | per 1000 distribution of area treated with | | | | estd. manure- treated area under the crop (00 ha) | no. of hhs. reporting use of manure | |
|-------------------------|--|-------------------|-----------------|------|--|--|--------|
| | compost | bio-gas slurry | other manure | all | | estd (00). | sample |
| (1) | (2) | (3) | (4) | (6) | (7) | (8) | (9) |
| Mizoram | | | | | | | |
| Paddy(<i>khariif</i>) | - | 101 | 899 | 1000 | 6 | 10 | 7 |
| Paddy(<i>rabi</i>) | - | - | - | - | - | - | - |
| wheat | - | - | - | - | - | - | - |
| other cereals | - | 1000 | - | 1000 | 0 | 1 | 2 |
| pulses | - | - | - | - | - | - | - |
| oil seeds | - | - | - | - | - | - | - |
| mixed crop | - | - | - | - | - | - | - |
| sugar cane | - | - | 1000 | 1000 | 2 | 2 | 1 |
| vegetables | - | 1000 | - | 1000 | 0 | 1 | 2 |
| fodder | - | - | - | - | - | - | - |
| fruits & nuts | - | 28 | 972 | 1000 | 5 | 8 | 8 |
| other cash crops | - | 102 | 898 | 1000 | 1 | 7 | 4 |
| others | - | - | - | - | - | - | - |
| all crops | - | 83 | 917 | 1000 | 14 | 26 | 16 |

Nagaland

| | | | | | | | |
|-------------------------|-----|----|------|------|-----|-----|-----|
| Paddy(<i>khariif</i>) | 484 | - | 516 | 1000 | 599 | 324 | 357 |
| Paddy(<i>rabi</i>) | 67 | 46 | 887 | 1000 | 89 | 116 | 103 |
| wheat | 277 | - | 723 | 1000 | 2 | 3 | 3 |
| other cereals | 167 | 4 | 829 | 1000 | 71 | 206 | 211 |
| pulses | 400 | - | 600 | 1000 | 10 | 54 | 62 |
| oil seeds | - | - | 1000 | 1000 | 6 | 27 | 13 |
| mixed crop | 734 | - | 266 | 1000 | 95 | 158 | 170 |
| sugar cane | - | - | - | - | - | - | - |
| vegetables | 603 | 7 | 390 | 1000 | 148 | 312 | 305 |
| fodder | - | - | 1000 | 1000 | 3 | 24 | 16 |
| fruits & nuts | - | - | 1000 | 1000 | 0 | 2 | 3 |
| other cash crops | 753 | 15 | 233 | 1000 | 71 | 75 | 67 |
| others | 843 | 11 | 145 | 1000 | 92 | 100 | 114 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | |
|-----------|-----|---|-----|------|------|-----|-----|
| all crops | 513 | 6 | 481 | 1000 | 1195 | 520 | 528 |
|-----------|-----|---|-----|------|------|-----|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8.1): Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

| crop group | per 1000 distribution of area treated with | | | | estd. manure- treated area under the crop (00 ha) | no. of hhs. reporting use of manure | |
|------------------------|--|-------------------|-----------------|-------------|--|--|-------------|
| | compost | bio-gas slurry | other manure | all | | estd (00). | sample |
| (1) | (2) | (3) | (4) | (6) | (7) | (8) | (9) |
| Orissa | | | | | | | |
| Paddy(<i>kharif</i>) | 476 | 19 | 505 | 1000 | 28176 | 33886 | 1812 |
| Paddy(<i>rabi</i>) | 456 | 3 | 541 | 1000 | 1107 | 2274 | 129 |
| wheat | 487 | - | 513 | 1000 | 59 | 249 | 13 |
| other cereals | 765 | - | 235 | 1000 | 640 | 2662 | 147 |
| pulses | 510 | 2 | 488 | 1000 | 2327 | 4542 | 243 |
| oil seeds | 568 | - | 432 | 1000 | 325 | 1691 | 97 |
| mixed crop | 958 | - | 42 | 1000 | 16 | 90 | 4 |
| sugar cane | 78 | - | 922 | 1000 | 51 | 301 | 16 |
| vegetables | 525 | 14 | 461 | 1000 | 483 | 4436 | 236 |
| fodder | - | - | - | - | - | - | - |
| fruits & nuts | 695 | - | 305 | 1000 | 53 | 321 | 21 |
| other cash crops | 29 | 50 | 921 | 1000 | 295 | 438 | 20 |
| others | 23 | - | 977 | 1000 | 17 | 68 | 4 |
| all crops | 481 | 17 | 502 | 1000 | 33552 | 35265 | 1893 |
| Punjab | | | | | | | |
| Paddy(<i>kharif</i>) | 453 | 4 | 544 | 1000 | 11343 | 5404 | 472 |
| Paddy(<i>rabi</i>) | 637 | 27 | 336 | 1000 | 517 | 273 | 24 |
| wheat | 420 | 4 | 576 | 1000 | 14491 | 6780 | 600 |
| other cereals | 853 | 23 | 124 | 1000 | 656 | 766 | 74 |
| pulses | 568 | - | 432 | 1000 | 89 | 147 | 13 |
| oil seeds | 405 | - | 595 | 1000 | 177 | 358 | 34 |
| mixed crop | 672 | - | 328 | 1000 | 24 | 59 | 5 |
| sugar cane | 485 | - | 515 | 1000 | 147 | 287 | 27 |
| vegetables | 127 | 56 | 817 | 1000 | 315 | 266 | 24 |
| fodder | 469 | 7 | 524 | 1000 | 4205 | 8199 | 715 |
| fruits & nuts | 1000 | - | - | 1000 | 146 | 32 | 1 |
| other cash crops | 224 | 6 | 771 | 1000 | 2115 | 1103 | 93 |
| others | 104 | 2 | 894 | 1000 | 369 | 145 | 12 |
| all crops | 433 | 5 | 561 | 1000 | 34597 | 8761 | 766 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8.1): Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

| crop group | per 1000 distribution of area treated with | | | | estd. manure-treated area under the crop (00 ha) | no. of hhs. reporting use of manure | |
|------------------------|--|----------------|--------------|-------------|--|-------------------------------------|-------------|
| | compost | bio-gas slurry | other manure | all | | estd (00). | sample |
| (1) | (2) | (3) | (4) | (6) | (7) | (8) | (9) |
| Rajasthan | | | | | | | |
| Paddy(<i>kharif</i>) | 510 | - | 490 | 1000 | 922 | 2171 | 103 |
| Paddy(<i>rabi</i>) | 56 | 26 | 919 | 1000 | 282 | 239 | 12 |
| wheat | 404 | 35 | 561 | 1000 | 26248 | 23320 | 1267 |
| other cereals | 426 | 21 | 553 | 1000 | 44556 | 30650 | 1685 |
| pulses | 400 | 10 | 591 | 1000 | 14740 | 11103 | 619 |
| oil seeds | 359 | 25 | 616 | 1000 | 13236 | 11759 | 664 |
| mixed crop | 332 | 4 | 663 | 1000 | 7925 | 5647 | 286 |
| sugar cane | 116 | - | 884 | 1000 | 408 | 622 | 32 |
| vegetables | 213 | - | 787 | 1000 | 320 | 837 | 53 |
| fodder | 302 | 7 | 690 | 1000 | 4159 | 5968 | 347 |
| fruits & nuts | 681 | - | 319 | 1000 | 83 | 86 | 5 |
| other cash crops | 407 | 2 | 591 | 1000 | 10529 | 5285 | 305 |
| others | 405 | - | 595 | 1000 | 1926 | 2512 | 137 |
| all crops | 398 | 19 | 583 | 1000 | 125362 | 40532 | 2205 |
| Sikkim | | | | | | | |
| Paddy(<i>kharif</i>) | 564 | - | 436 | 1000 | 49 | 119 | 137 |
| Paddy(<i>rabi</i>) | 759 | - | 241 | 1000 | 1 | 11 | 11 |
| wheat | 565 | - | 435 | 1000 | 7 | 39 | 43 |
| other cereals | 794 | 0 | 206 | 1000 | 179 | 520 | 596 |
| pulses | 943 | - | 57 | 1000 | 9 | 60 | 70 |
| oil seeds | 704 | - | 296 | 1000 | 3 | 16 | 16 |
| mixed crop | 693 | - | 307 | 1000 | 1 | 13 | 15 |
| sugar cane | - | - | - | - | - | - | - |
| vegetables | 732 | - | 268 | 1000 | 65 | 516 | 594 |
| fodder | 765 | 27 | 208 | 1000 | 5 | 39 | 44 |
| fruits & nuts | 937 | - | 63 | 1000 | 4 | 22 | 25 |
| other cash crops | 801 | - | 199 | 1000 | 46 | 208 | 225 |
| others | 872 | - | 128 | 1000 | 1 | 4 | 5 |
| all crops | 753 | 0 | 246 | 1000 | 371 | 575 | 666 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8.1): Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

| crop group | per 1000 distribution of area treated with | | | | estd. manure- treated area under the crop (00 ha) | no. of hhs. reporting use of manure | |
|------------------------|--|-------------------|-----------------|-------------|--|--|-------------|
| | compost | bio-gas slurry | other manure | all | | estd (00). | sample |
| (1) | (2) | (3) | (4) | (6) | (7) | (8) | (9) |
| Tamil Nadu | | | | | | | |
| Paddy(<i>kharif</i>) | 425 | 19 | 555 | 1000 | 9158 | 13188 | 744 |
| Paddy(<i>rabi</i>) | 637 | 8 | 355 | 1000 | 5384 | 8015 | 438 |
| wheat | 510 | - | 490 | 1000 | 72 | 119 | 6 |
| other cereals | 459 | 14 | 527 | 1000 | 4254 | 5139 | 280 |
| pulses | 86 | 2 | 912 | 1000 | 1090 | 1364 | 81 |
| oil seeds | 285 | 15 | 700 | 1000 | 1790 | 2606 | 153 |
| mixed crop | 224 | - | 776 | 1000 | 590 | 642 | 35 |
| sugar cane | 655 | 14 | 331 | 1000 | 1392 | 1668 | 78 |
| vegetables | 244 | - | 756 | 1000 | 698 | 1825 | 94 |
| fodder | 494 | 60 | 446 | 1000 | 292 | 767 | 41 |
| fruits & nuts | 226 | 1 | 773 | 1000 | 1211 | 2460 | 150 |
| other cash crops | 407 | 29 | 563 | 1000 | 2514 | 3878 | 214 |
| others | 507 | - | 493 | 1000 | 687 | 1002 | 57 |
| all crops | 443 | 14 | 542 | 1000 | 29138 | 28946 | 1597 |
| Tripura | | | | | | | |
| Paddy(<i>kharif</i>) | 254 | 158 | 588 | 1000 | 627 | 1235 | 242 |
| Paddy(<i>rabi</i>) | 248 | 162 | 589 | 1000 | 359 | 815 | 172 |
| wheat | 160 | 41 | 799 | 1000 | 54 | 119 | 16 |
| other cereals | - | - | 1000 | 1000 | 2 | 5 | 1 |
| pulses | - | - | - | - | - | - | - |
| oil seeds | - | - | - | - | - | - | - |
| mixed crop | - | - | - | - | - | - | - |
| sugar cane | - | - | - | - | - | - | - |
| vegetables | 296 | 507 | 197 | 1000 | 130 | 636 | 132 |
| fodder | - | - | - | - | - | - | - |
| fruits & nuts | 148 | 159 | 693 | 1000 | 5 | 31 | 7 |
| other cash crops | 192 | - | 808 | 1000 | 3 | 12 | 3 |
| others | - | 143 | 857 | 1000 | 1 | 7 | 2 |
| all crops | 251 | 192 | 557 | 1000 | 1181 | 1830 | 363 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8.1): Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

| crop group | per 1000 distribution of area treated with | | | | estd. manure-treated area under the crop (00 ha) | no. of hhs. reporting use of manure | |
|------------------------|--|----------------|--------------|-------------|--|-------------------------------------|-------------|
| | compost | bio-gas slurry | other manure | all | | estd (00). | sample |
| (1) | (2) | (3) | (4) | (6) | (7) | (8) | (9) |
| Uttar Pradesh | | | | | | | |
| Paddy(<i>kharif</i>) | 623 | 10 | 367 | 1000 | 46210 | 88910 | 3696 |
| Paddy(<i>rabi</i>) | 615 | - | 385 | 1000 | 1184 | 1914 | 85 |
| wheat | 593 | 7 | 400 | 1000 | 71785 | 118973 | 4999 |
| other cereals | 593 | 4 | 403 | 1000 | 18504 | 44082 | 1607 |
| pulses | 502 | 5 | 492 | 1000 | 12326 | 41735 | 1567 |
| oil seeds | 646 | 2 | 352 | 1000 | 5255 | 22691 | 634 |
| mixed crop | 649 | 7 | 343 | 1000 | 3479 | 8202 | 368 |
| sugar cane | 684 | 8 | 308 | 1000 | 12913 | 25546 | 1129 |
| vegetables | 707 | 4 | 290 | 1000 | 4196 | 20885 | 1007 |
| fodder | 669 | 4 | 327 | 1000 | 6110 | 24773 | 1100 |
| fruits & nuts | 680 | - | 320 | 1000 | 420 | 1294 | 62 |
| other cash crops | 742 | 0 | 258 | 1000 | 2168 | 5188 | 217 |
| others | 780 | 34 | 186 | 1000 | 1490 | 4615 | 202 |
| all crops | 612 | 7 | 381 | 1000 | 186128 | 137303 | 5790 |
| West Bengal | | | | | | | |
| Paddy(<i>kharif</i>) | 610 | 9 | 381 | 1000 | 21873 | 37169 | 1800 |
| Paddy(<i>rabi</i>) | 637 | 14 | 350 | 1000 | 4857 | 11520 | 535 |
| wheat | 535 | 28 | 438 | 1000 | 2285 | 7977 | 359 |
| other cereals | 419 | 42 | 539 | 1000 | 206 | 964 | 45 |
| pulses | 653 | - | 347 | 1000 | 320 | 1746 | 74 |
| oil seeds | 586 | 23 | 391 | 1000 | 1292 | 5111 | 240 |
| mixed crop | 50 | - | 950 | 1000 | 98 | 430 | 18 |
| sugar cane | 306 | 32 | 662 | 1000 | 109 | 463 | 22 |
| vegetables | 650 | 10 | 340 | 1000 | 2729 | 12153 | 564 |
| fodder | 1000 | - | - | 1000 | 18 | 33 | 2 |
| fruits & nuts | 826 | - | 174 | 1000 | 68 | 479 | 24 |
| other cash crops | 583 | 3 | 414 | 1000 | 2411 | 7207 | 332 |
| others | 658 | - | 342 | 1000 | 668 | 1831 | 82 |
| all crops | 608 | 11 | 381 | 1000 | 36952 | 44241 | 2126 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (8.1): Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

| crop group | per 1000 distribution of area treated with | | | | estd. manure-treated area under the crop (00 ha) | no. of hhs. reporting use of manure | |
|----------------------------|--|----------------|--------------|-------------|--|-------------------------------------|--------------|
| | compost | bio-gas slurry | other manure | all | | estd (00). | sample |
| (1) | (2) | (3) | (4) | (6) | (7) | (8) | (9) |
| A. & N. Islands | | | | | | | |
| Paddy(<i>kharif</i>) | 473 | 58 | 469 | 1000 | 69 | 49 | 42 |
| Paddy(<i>rabi</i>) | 1000 | - | - | 1000 | 0 | 0 | 1 |
| wheat | - | - | - | - | - | - | - |
| other cereals | - | - | - | - | - | - | - |
| pulses | 262 | - | 738 | 1000 | 10 | 29 | 27 |
| oil seeds | - | - | - | - | - | - | - |
| mixed crop | - | - | - | - | - | - | - |
| sugar cane | - | - | - | - | - | - | - |
| vegetables | 335 | - | 665 | 1000 | 8 | 27 | 19 |
| fodder | - | - | - | - | - | - | - |
| fruits & nuts | - | - | - | - | - | - | - |
| other cash crops | - | - | - | - | - | - | - |
| others | - | - | - | - | - | - | - |
| all crops | 438 | 46 | 516 | 1000 | 87 | 68 | 59 |
| India | | | | | | | |
| Paddy(<i>kharif</i>) | 530 | 22 | 448 | 1000 | 267390 | 346212 | 19437 |
| Paddy(<i>rabi</i>) | 572 | 15 | 413 | 1000 | 26463 | 40903 | 2362 |
| wheat | 480 | 16 | 504 | 1000 | 207870 | 258788 | 14184 |
| other cereals | 508 | 23 | 468 | 1000 | 181134 | 206868 | 12178 |
| pulses | 455 | 23 | 522 | 1000 | 76359 | 131564 | 6600 |
| oil seeds | 431 | 30 | 538 | 1000 | 90945 | 104901 | 5309 |
| mixed crop | 347 | 14 | 639 | 1000 | 33190 | 33877 | 2021 |
| sugar cane | 651 | 18 | 331 | 1000 | 24928 | 41357 | 1957 |
| vegetables | 476 | 27 | 497 | 1000 | 22644 | 94724 | 7461 |
| fodder | 509 | 10 | 481 | 1000 | 21547 | 55880 | 3515 |
| fruits & nuts | 476 | 39 | 485 | 1000 | 8905 | 26340 | 1774 |
| other cash crops | 501 | 18 | 481 | 1000 | 72395 | 73507 | 4201 |
| others | 529 | 13 | 458 | 1000 | 10393 | 21055 | 1401 |
| all crops | 496 | 21 | 483 | 1000 | 1044592 | 644297 | 37227 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (9): Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc.** and weedicides

| crop group | per 1000 distribution of area treated with | | | | all | estd. area under the crop (00 ha) | no. of hhs. cultivating the crop using pesticides | |
|------------------------|--|--------------------------|------------|------------|-------------|--|---|-------------|
| | weedicides only | pesticides, etc. only | both | none | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Andhra Pradesh | | | | | | | | |
| Paddy(<i>kharif</i>) | 8 | 589 | 299 | 104 | 1000 | 25215 | 26564 | 1239 |
| Paddy(<i>rabi</i>) | 1 | 588 | 284 | 127 | 1000 | 8145 | 7687 | 316 |
| wheat | 74 | 525 | 199 | 202 | 1000 | 292 | 207 | 11 |
| other cereals | 11 | 611 | 149 | 228 | 1000 | 8705 | 8371 | 412 |
| pulses | 6 | 515 | 258 | 221 | 1000 | 7051 | 6256 | 280 |
| oil seeds | 2 | 665 | 111 | 222 | 1000 | 13035 | 6658 | 312 |
| mixed crop | - | 672 | 78 | 250 | 1000 | 4407 | 1809 | 85 |
| sugar cane | 31 | 689 | 192 | 88 | 1000 | 1686 | 2160 | 97 |
| vegetables | 19 | 654 | 234 | 93 | 1000 | 1109 | 1891 | 101 |
| fodder | 42 | 343 | 6 | 610 | 1000 | 720 | 465 | 23 |
| fruits & nuts | - | 539 | 249 | 212 | 1000 | 1728 | 996 | 46 |
| other cash crops | 8 | 722 | 150 | 119 | 1000 | 8384 | 7249 | 348 |
| others | - | 669 | 92 | 239 | 1000 | 1629 | 1112 | 52 |
| all crops | 7 | 615 | 210 | 168 | 1000 | 82260 | 43882 | 2057 |

Arunachal Pradesh

| | | | | | | | | |
|------------------------|-----|-----|-----|------|------|-----|-----|-----|
| Paddy(<i>kharif</i>) | 5 | 183 | 64 | 747 | 1000 | 626 | 196 | 127 |
| Paddy(<i>rabi</i>) | - | 359 | - | 641 | 1000 | 126 | 37 | 11 |
| wheat | - | 933 | - | 67 | 1000 | 38 | 68 | 34 |
| other cereals | - | 281 | 0 | 719 | 1000 | 119 | 176 | 107 |
| pulses | - | 509 | 1 | 490 | 1000 | 27 | 108 | 69 |
| oil seeds | - | 298 | - | 702 | 1000 | 9 | 19 | 15 |
| mixed crop | 3 | 79 | 1 | 917 | 1000 | 137 | 110 | 69 |
| sugar cane | 263 | - | 263 | 474 | 1000 | 0 | 2 | 2 |
| vegetables | - | 274 | 3 | 723 | 1000 | 93 | 186 | 112 |
| fodder | - | - | - | 1000 | 1000 | 0 | - | - |
| fruits & nuts | - | 346 | 21 | 633 | 1000 | 11 | 26 | 20 |
| other cash crops | - | 127 | - | 873 | 1000 | 33 | 30 | 20 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only."

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| | | | | | | | | |
|-----------|---|-----|----|-----|------|------|-----|-----|
| others | 1 | 173 | 15 | 812 | 1000 | 36 | 13 | 7 |
| all crops | 3 | 233 | 33 | 731 | 1000 | 1266 | 323 | 192 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

Table (9): Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc.** and weedicides

| crop group | per 1000 distribution of area treated with | | | | all | estd. area under the crop (00 ha) | no. of hhs. cultivating the crop using pesticides | |
|------------------------|--|--------------------------|------------|------------|-------------|--|---|------------|
| | weedicides only | pesticides, etc. only | both | none | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Assam | | | | | | | | |
| Paddy(<i>kharif</i>) | 15 | 179 | 99 | 708 | 1000 | 18424 | 6621 | 572 |
| Paddy(<i>rabi</i>) | 26 | 165 | 47 | 762 | 1000 | 3931 | 1202 | 115 |
| wheat | 18 | 212 | 331 | 439 | 1000 | 1039 | 1583 | 141 |
| other cereals | 60 | 105 | 346 | 489 | 1000 | 329 | 454 | 38 |
| pulses | 12 | 136 | 75 | 777 | 1000 | 1190 | 1311 | 104 |
| oil seeds | 31 | 220 | 322 | 427 | 1000 | 571 | 1174 | 91 |
| mixed crop | - | 791 | 107 | 103 | 1000 | 31 | 132 | 13 |
| sugar cane | 19 | 462 | 105 | 414 | 1000 | 357 | 327 | 25 |
| vegetables | 18 | 217 | 128 | 637 | 1000 | 3612 | 6284 | 560 |
| fodder | - | 204 | - | 796 | 1000 | 45 | 14 | 1 |
| fruits & nuts | 26 | 143 | 8 | 823 | 1000 | 96 | 88 | 9 |
| other cash crops | - | 4 | 149 | 846 | 1000 | 135 | 74 | 6 |
| others | 40 | 173 | 344 | 443 | 1000 | 854 | 1623 | 137 |
| all crops | 18 | 184 | 116 | 682 | 1000 | 30618 | 9891 | 874 |

Bihar

| | | | | | | | | |
|------------------------|----|-----|-----|-----|------|-------|-------|------|
| Paddy(<i>kharif</i>) | 40 | 321 | 145 | 494 | 1000 | 65258 | 35731 | 1785 |
| Paddy(<i>rabi</i>) | 9 | 307 | 113 | 570 | 1000 | 1383 | 1245 | 54 |
| wheat | 47 | 371 | 202 | 380 | 1000 | 39556 | 32078 | 1612 |
| other cereals | 12 | 360 | 54 | 574 | 1000 | 8585 | 10566 | 487 |
| pulses | 20 | 260 | 100 | 619 | 1000 | 9398 | 10012 | 469 |
| oil seeds | 41 | 238 | 99 | 622 | 1000 | 2360 | 2498 | 123 |
| mixed crop | 18 | 239 | 86 | 656 | 1000 | 1488 | 1935 | 105 |
| sugar cane | 1 | 219 | 92 | 688 | 1000 | 1011 | 446 | 24 |
| vegetables | 12 | 540 | 60 | 388 | 1000 | 3282 | 10166 | 515 |
| fodder | 7 | 294 | 4 | 695 | 1000 | 242 | 425 | 27 |
| fruits & nuts | - | 608 | 166 | 226 | 1000 | 177 | 355 | 18 |
| other cash crops | 2 | 213 | 105 | 679 | 1000 | 1250 | 1153 | 57 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

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|-----------|----|-----|-----|-----|------|--------|-------|------|
| others | - | 413 | 11 | 575 | 1000 | 340 | 357 | 7 |
| all crops | 37 | 335 | 148 | 481 | 1000 | 134585 | 44159 | 2201 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
 2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.
- **"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

Table (9): Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc.** and weedicides

| crop group | per 1000 distribution of area treated with | | | | | estd. area under the crop (00 ha) | no. of hhs. cultivating the crop using pesticides | |
|------------------------|--|--------------------------|------------|------------|-------------|--|---|-------------|
| | weedicides only | pesticides, etc. only | both | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Gujarat | | | | | | | | |
| Paddy(<i>kharif</i>) | 3 | 440 | 158 | 399 | 1000 | 5643 | 4143 | 201 |
| Paddy(<i>rabi</i>) | - | 562 | 320 | 118 | 1000 | 541 | 754 | 34 |
| wheat | 7 | 439 | 244 | 310 | 1000 | 9146 | 6570 | 333 |
| other cereals | 2 | 455 | 226 | 317 | 1000 | 15927 | 12163 | 616 |
| pulses | 3 | 524 | 203 | 270 | 1000 | 3863 | 4031 | 215 |
| oil seeds | 5 | 481 | 435 | 79 | 1000 | 13428 | 7624 | 393 |
| mixed crop | - | 592 | 189 | 220 | 1000 | 4023 | 1621 | 79 |
| sugar cane | 7 | 266 | 655 | 72 | 1000 | 1848 | 1060 | 57 |
| vegetables | 6 | 750 | 137 | 106 | 1000 | 1239 | 1586 | 74 |
| fodder | 5 | 272 | 213 | 511 | 1000 | 3163 | 3445 | 176 |
| fruits & nuts | - | 849 | 86 | 65 | 1000 | 462 | 362 | 15 |
| other cash crops | 4 | 426 | 423 | 147 | 1000 | 14152 | 6533 | 340 |
| others | - | 300 | 203 | 497 | 1000 | 338 | 318 | 15 |
| all crops | 4 | 457 | 304 | 235 | 1000 | 73780 | 22296 | 1144 |

Haryana

| | | | | | | | | |
|------------------------|-----|-----|------|-----|------|-------|------|-----|
| Paddy(<i>kharif</i>) | 21 | 101 | 871 | 8 | 1000 | 8077 | 4550 | 205 |
| Paddy(<i>rabi</i>) | 166 | - | 834 | - | 1000 | 174 | 116 | 4 |
| wheat | 199 | 56 | 533 | 212 | 1000 | 16092 | 7364 | 354 |
| other cereals | 71 | 19 | 152 | 759 | 1000 | 3717 | 696 | 42 |
| pulses | 78 | 44 | 186 | 692 | 1000 | 2000 | 702 | 36 |
| oil seeds | 46 | 159 | 156 | 640 | 1000 | 2868 | 1026 | 59 |
| mixed crop | - | - | 1000 | - | 1000 | 96 | 97 | 4 |
| sugar cane | - | 428 | 332 | 240 | 1000 | 592 | 587 | 31 |
| vegetables | - | 254 | 667 | 79 | 1000 | 341 | 709 | 34 |
| fodder | 43 | 43 | 232 | 682 | 1000 | 3898 | 2440 | 114 |
| fruits & nuts | - | - | - | - | - | - | - | - |
| other cash crops | 85 | 247 | 552 | 116 | 1000 | 2506 | 1564 | 65 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

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|-----------|-----|----|-----|-----|------|-------|------|-----|
| others | 18 | 9 | 791 | 182 | 1000 | 1729 | 769 | 33 |
| all crops | 103 | 83 | 506 | 308 | 1000 | 42089 | 8534 | 404 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

Table (9): Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc.** and weedicides

| crop group | per 1000 distribution of area treated with | | | | | estd. area under the crop (00 ha) | no. of hhs. cultivating the crop using pesticides | |
|-------------------------|--|-----------------------|-----------|------------|-------------|-----------------------------------|---|------------|
| | weedicides only | pesticides, etc. only | both | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Himachal Pradesh | | | | | | | | |
| Paddy(<i>kharif</i>) | 43 | 64 | 165 | 728 | 1000 | 655 | 626 | 109 |
| Paddy(<i>rabi</i>) | - | 53 | - | 947 | 1000 | 11 | 7 | 1 |
| wheat | 27 | 44 | 42 | 887 | 1000 | 3634 | 891 | 157 |
| other cereals | 23 | 19 | 16 | 942 | 1000 | 2881 | 552 | 97 |
| pulses | - | 64 | 5 | 931 | 1000 | 139 | 24 | 5 |
| oil seeds | 20 | 21 | 28 | 931 | 1000 | 98 | 68 | 13 |
| mixed crop | 8 | 166 | - | 826 | 1000 | 27 | 16 | 3 |
| sugar cane | 100 | 601 | - | 298 | 1000 | 22 | 30 | 6 |
| vegetables | 8 | 339 | 41 | 612 | 1000 | 162 | 514 | 99 |
| fodder | - | 29 | 25 | 946 | 1000 | 105 | 97 | 17 |
| fruits & nuts | - | 543 | 413 | 44 | 1000 | 413 | 549 | 96 |
| other cash crops | 41 | 643 | 35 | 281 | 1000 | 317 | 527 | 99 |
| others | - | 82 | 37 | 881 | 1000 | 122 | 81 | 16 |
| all crops | 25 | 91 | 59 | 825 | 1000 | 8587 | 2025 | 367 |

Jammu & Kashmir

| | | | | | | | | |
|------------------------|-----|-----|-----|-----|------|------|------|-----|
| Paddy(<i>kharif</i>) | 116 | 148 | 251 | 484 | 1000 | 2191 | 2196 | 482 |
| Paddy(<i>rabi</i>) | 42 | 245 | 146 | 567 | 1000 | 56 | 127 | 17 |
| wheat | 55 | 156 | 114 | 675 | 1000 | 2010 | 710 | 224 |
| other cereals | 9 | 78 | 28 | 885 | 1000 | 985 | 251 | 67 |
| pulses | 8 | 206 | 30 | 755 | 1000 | 193 | 231 | 63 |
| oil seeds | 24 | 127 | 165 | 683 | 1000 | 642 | 824 | 127 |
| mixed crop | - | 110 | 93 | 797 | 1000 | 23 | 25 | 8 |
| sugar cane | - | - | 849 | 151 | 1000 | 11 | 28 | 10 |
| vegetables | 12 | 163 | 134 | 691 | 1000 | 424 | 1338 | 220 |
| fodder | 57 | 86 | 167 | 691 | 1000 | 342 | 517 | 150 |
| fruits & nuts | 5 | 562 | 263 | 169 | 1000 | 500 | 1205 | 214 |
| other cash crops | - | 730 | - | 270 | 1000 | 34 | 68 | 9 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

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| | | | | | | | | |
|-----------|----|-----|-----|-----|------|------|------|-----|
| others | 26 | 9 | 61 | 903 | 1000 | 135 | 34 | 12 |
| all crops | 56 | 167 | 158 | 619 | 1000 | 7547 | 3443 | 705 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
 2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.
- **"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

Table (9): Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc.** and weedicides

| crop group | per 1000 distribution of area treated with | | | | | estd. area under the crop (00 ha) | no. of hhs. cultivating the crop using pesticides | |
|------------------------|--|--------------------------|------------|------------|-------------|--|---|-------------|
| | weedicides only | pesticides, etc. only | both | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Karnataka | | | | | | | | |
| Paddy(<i>kharif</i>) | 15 | 287 | 473 | 225 | 1000 | 9279 | 7874 | 363 |
| Paddy(<i>rabi</i>) | 7 | 663 | 206 | 125 | 1000 | 1707 | 1679 | 75 |
| wheat | 90 | 216 | 39 | 655 | 1000 | 1374 | 462 | 19 |
| other cereals | 29 | 236 | 183 | 552 | 1000 | 34052 | 13016 | 587 |
| pulses | 17 | 596 | 80 | 307 | 1000 | 11180 | 6574 | 291 |
| oil seeds | 41 | 449 | 127 | 383 | 1000 | 13590 | 5729 | 242 |
| mixed crop | 46 | 435 | 195 | 324 | 1000 | 5374 | 3087 | 139 |
| sugar cane | 105 | 220 | 181 | 494 | 1000 | 2123 | 1404 | 61 |
| vegetables | 48 | 234 | 494 | 224 | 1000 | 1666 | 2037 | 94 |
| fodder | 4 | 113 | 86 | 797 | 1000 | 572 | 196 | 8 |
| fruits & nuts | 2 | 391 | 79 | 528 | 1000 | 1608 | 1230 | 55 |
| other cash crops | 10 | 471 | 189 | 331 | 1000 | 7099 | 4928 | 225 |
| others | 44 | 271 | 386 | 300 | 1000 | 919 | 1284 | 55 |
| all crops | 30 | 357 | 196 | 417 | 1000 | 90596 | 29112 | 1304 |

Kerala

| | | | | | | | | |
|------------------------|-----|-----|-----|------|------|------|------|-----|
| Paddy(<i>kharif</i>) | 14 | 305 | 445 | 235 | 1000 | 1367 | 2795 | 179 |
| Paddy(<i>rabi</i>) | 22 | 433 | 399 | 146 | 1000 | 517 | 1532 | 97 |
| wheat | - | - | - | 1000 | 1000 | 5 | - | - |
| other cereals | 16 | 224 | 354 | 406 | 1000 | 216 | 283 | 18 |
| pulses | - | 557 | - | 443 | 1000 | 25 | 17 | 1 |
| oil seeds | 127 | 105 | 7 | 761 | 1000 | 488 | 754 | 53 |
| mixed crop | 34 | 239 | 54 | 672 | 1000 | 480 | 592 | 41 |
| sugar cane | - | - | - | 1000 | 1000 | 10 | - | - |
| vegetables | 8 | 186 | 22 | 785 | 1000 | 263 | 1136 | 69 |
| fodder | - | - | - | 1000 | 1000 | 3 | - | - |
| fruits & nuts | 7 | 147 | 21 | 825 | 1000 | 1585 | 2183 | 142 |
| other cash crops | 6 | 287 | 54 | 653 | 1000 | 4241 | 2704 | 168 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only."

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|-----------|----|-----|-----|-----|------|------|------|-----|
| others | 6 | 148 | 42 | 804 | 1000 | 393 | 667 | 42 |
| all crops | 16 | 253 | 126 | 605 | 1000 | 9599 | 8123 | 523 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

Table (9): Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc.** and weedicides

| crop group | per 1000 distribution of area treated with | | | | all | estd. area under the crop (00 ha) | no. of hhs. cultivating the crop using pesticides | |
|-------------------------|--|--------------------------|------------|------------|-------------|--|---|-------------|
| | weedicides only | pesticides, etc. only | both | none | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Madhya Pradesh | | | | | | | | |
| Paddy(<i>khariif</i>) | 18 | 205 | 130 | 648 | 1000 | 50255 | 11975 | 621 |
| Paddy(<i>rabi</i>) | 91 | 362 | 180 | 367 | 1000 | 1299 | 716 | 37 |
| wheat | 22 | 176 | 212 | 590 | 1000 | 55564 | 12038 | 644 |
| other cereals | 24 | 184 | 107 | 685 | 1000 | 21844 | 4677 | 241 |
| pulses | 9 | 211 | 133 | 647 | 1000 | 23033 | 7402 | 394 |
| oil seeds | 21 | 193 | 276 | 510 | 1000 | 41323 | 9130 | 485 |
| mixed crop | 15 | 149 | 115 | 720 | 1000 | 8529 | 1541 | 87 |
| sugar cane | - | 205 | 243 | 553 | 1000 | 527 | 314 | 17 |
| vegetables | 8 | 303 | 122 | 567 | 1000 | 2327 | 1689 | 71 |
| fodder | 28 | 100 | 50 | 822 | 1000 | 1247 | 556 | 30 |
| fruits & nuts | - | 111 | 601 | 288 | 1000 | 165 | 30 | 2 |
| other cash crops | 26 | 426 | 216 | 333 | 1000 | 5995 | 3064 | 163 |
| others | - | 84 | 22 | 894 | 1000 | 1842 | 227 | 10 |
| all crops | 19 | 198 | 179 | 604 | 1000 | 213999 | 28751 | 1516 |

Maharashtra

| | | | | | | | | |
|-------------------------|-----|-----|-----|-----|------|-------|-------|-----|
| Paddy(<i>khariif</i>) | 13 | 283 | 122 | 582 | 1000 | 11884 | 6519 | 271 |
| Paddy(<i>rabi</i>) | - | 43 | - | 957 | 1000 | 292 | 102 | 5 |
| wheat | 58 | 380 | 113 | 449 | 1000 | 7973 | 5120 | 247 |
| other cereals | 35 | 232 | 63 | 671 | 1000 | 42767 | 12622 | 588 |
| pulses | 28 | 428 | 43 | 501 | 1000 | 11002 | 7312 | 340 |
| oil seeds | 34 | 245 | 194 | 528 | 1000 | 6977 | 3089 | 137 |
| mixed crop | 61 | 822 | 35 | 83 | 1000 | 4585 | 2180 | 109 |
| sugar cane | 69 | 245 | 238 | 449 | 1000 | 3375 | 2163 | 101 |
| vegetables | 22 | 444 | 284 | 250 | 1000 | 1911 | 2913 | 140 |
| fodder | 184 | 28 | 146 | 642 | 1000 | 909 | 452 | 19 |
| fruits & nuts | 1 | 285 | 479 | 235 | 1000 | 1781 | 1594 | 69 |
| other cash crops | 5 | 777 | 79 | 139 | 1000 | 19732 | 12528 | 568 |

*Note

1. Paddy: *khariif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only."

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| | | | | | | | | |
|-----------|----|-----|-----|-----|------|--------|-------|------|
| others | - | 339 | 175 | 487 | 1000 | 693 | 357 | 16 |
| all crops | 31 | 389 | 97 | 484 | 1000 | 113969 | 30267 | 1382 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
 2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.
- **"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

Table (9): Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc.** and weedicides

| crop group | per 1000 distribution of area treated with | | | | | estd. area under the crop (00 ha) | no. of hhs. cultivating the crop using pesticides | |
|------------------------|--|--------------------------|------------|------------|-------------|--|---|------------|
| | weedicides only | pesticides, etc. only | both | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Manipur | | | | | | | | |
| Paddy(<i>kharif</i>) | 2 | 478 | 207 | 312 | 1000 | 1035 | 941 | 318 |
| Paddy(<i>rabi</i>) | - | 300 | 276 | 424 | 1000 | 283 | 183 | 50 |
| wheat | - | 1000 | - | - | 1000 | 0 | 2 | 1 |
| other cereals | - | 380 | 208 | 412 | 1000 | 13 | 37 | 14 |
| pulses | - | 606 | - | 394 | 1000 | 21 | 64 | 16 |
| oil seeds | - | 24 | 29 | 947 | 1000 | 6 | 10 | 3 |
| mixed crop | - | 168 | 254 | 578 | 1000 | 45 | 142 | 56 |
| sugar cane | - | - | - | - | - | - | - | - |
| vegetables | - | 122 | 126 | 753 | 1000 | 113 | 176 | 64 |
| fodder | - | - | - | 1000 | 1000 | 1 | - | - |
| fruits & nuts | - | - | 10 | 990 | 1000 | 5 | 1 | 1 |
| other cash crops | - | - | 217 | 783 | 1000 | 5 | 7 | 1 |
| others | - | 20 | 25 | 955 | 1000 | 26 | 36 | 5 |
| all crops | 2 | 396 | 206 | 396 | 1000 | 1566 | 1158 | 376 |

Meghalaya

| | | | | | | | | |
|------------------------|----|-----|-----|------|------|------|-----|-----|
| Paddy(<i>kharif</i>) | 12 | 297 | 84 | 607 | 1000 | 1313 | 645 | 164 |
| Paddy(<i>rabi</i>) | - | 74 | - | 926 | 1000 | 94 | 16 | 5 |
| wheat | - | 588 | - | 412 | 1000 | 5 | 7 | 2 |
| other cereals | - | 12 | - | 988 | 1000 | 169 | 4 | 1 |
| pulses | - | 55 | - | 945 | 1000 | 6 | 3 | 1 |
| oil seeds | - | - | - | 1000 | 1000 | 4 | - | - |
| mixed crop | - | 9 | - | 991 | 1000 | 222 | 4 | 1 |
| sugar cane | - | - | - | - | - | - | - | - |
| vegetables | - | 88 | 197 | 714 | 1000 | 898 | 431 | 147 |
| fodder | - | - | - | 1000 | 1000 | 1 | - | - |
| fruits & nuts | 20 | 10 | 91 | 880 | 1000 | 234 | 47 | 21 |
| other cash crops | - | 9 | 28 | 963 | 1000 | 102 | 8 | 3 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only."

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| | | | | | | | | |
|-----------|---|-----|----|-----|------|------|-----|-----|
| others | 2 | 32 | 2 | 964 | 1000 | 123 | 14 | 5 |
| all crops | 6 | 155 | 98 | 741 | 1000 | 3171 | 943 | 269 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
 2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.
- **"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

Table (9): Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc.** and weedicides

| crop group | per 1000 distribution of area treated with | | | | | estd. area under the crop (00 ha) | no. of hhs. cultivating the crop using pesticides | |
|------------------------|--|--------------------------|----------|------------|-------------|--|---|-----------|
| | weedicides only | pesticides, etc. only | both | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Mizoram | | | | | | | | |
| Paddy(<i>kharif</i>) | 9 | 5 | - | 987 | 1000 | 219 | 6 | 3 |
| Paddy(<i>rabi</i>) | - | - | - | 1000 | 1000 | 29 | - | - |
| wheat | - | - | - | - | - | - | - | - |
| other cereals | - | 30 | - | 970 | 1000 | 8 | 3 | 2 |
| pulses | - | 10 | - | 990 | 1000 | 16 | 3 | 3 |
| oil seeds | - | - | - | 1000 | 1000 | 0 | - | - |
| mixed crop | - | 2 | - | 998 | 1000 | 125 | 3 | 2 |
| sugar cane | - | - | - | 1000 | 1000 | 6 | - | - |
| vegetables | - | - | - | 1000 | 1000 | 46 | - | - |
| fodder | - | - | - | 1000 | 1000 | 0 | - | - |
| fruits & nuts | - | 624 | - | 376 | 1000 | 12 | 9 | 8 |
| other cash crops | - | 41 | - | 959 | 1000 | 28 | 3 | 2 |
| others | - | - | - | 1000 | 1000 | 18 | - | - |
| all crops | 4 | 20 | - | 977 | 1000 | 508 | 15 | 12 |

Nagaland

| | | | | | | | | |
|------------------------|-----|-----|-----|------|------|-----|-----|-----|
| Paddy(<i>kharif</i>) | 216 | 68 | 111 | 605 | 1000 | 978 | 145 | 159 |
| Paddy(<i>rabi</i>) | 84 | 121 | 11 | 784 | 1000 | 363 | 68 | 52 |
| wheat | 60 | 88 | 308 | 543 | 1000 | 8 | 5 | 3 |
| other cereals | 11 | 71 | 17 | 901 | 1000 | 160 | 50 | 40 |
| pulses | 62 | 6 | 562 | 369 | 1000 | 46 | 23 | 22 |
| oil seeds | - | 206 | 372 | 422 | 1000 | 12 | 15 | 8 |
| mixed crop | 365 | 72 | 208 | 356 | 1000 | 141 | 107 | 106 |
| sugar cane | - | - | - | - | - | - | - | - |
| vegetables | 284 | 33 | 100 | 583 | 1000 | 254 | 166 | 169 |
| fodder | 305 | - | - | 695 | 1000 | 8 | 7 | 9 |
| fruits & nuts | - | - | - | 1000 | 1000 | 2 | - | - |
| other cash crops | 407 | 10 | 296 | 287 | 1000 | 101 | 66 | 63 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only."

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| | | | | | | | | |
|-----------|-----|----|-----|-----|------|------|-----|-----|
| others | 647 | 19 | 150 | 184 | 1000 | 107 | 85 | 94 |
| all crops | 226 | 67 | 113 | 594 | 1000 | 2190 | 239 | 236 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

Table (9): Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc.** and weedicides

| crop group | per 1000 distribution of area treated with | | | | | estd. area under the crop (00 ha) | no. of hhs. cultivating the crop using pesticides | |
|------------------------|--|--------------------------|------------|------------|-------------|--|---|------------|
| | weedicides only | pesticides, etc. only | both | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Orissa | | | | | | | | |
| Paddy(<i>kharif</i>) | 9 | 215 | 115 | 660 | 1000 | 30778 | 11964 | 685 |
| Paddy(<i>rabi</i>) | 3 | 412 | 470 | 116 | 1000 | 1290 | 2405 | 138 |
| wheat | - | 193 | - | 807 | 1000 | 73 | 97 | 5 |
| other cereals | 30 | 40 | 143 | 787 | 1000 | 1177 | 424 | 25 |
| pulses | 2 | 189 | 185 | 624 | 1000 | 3367 | 1969 | 111 |
| oil seeds | 32 | 85 | 41 | 841 | 1000 | 439 | 295 | 18 |
| mixed crop | - | 968 | - | 32 | 1000 | 16 | 64 | 3 |
| sugar cane | - | 600 | - | 400 | 1000 | 58 | 75 | 5 |
| vegetables | 8 | 248 | 201 | 543 | 1000 | 647 | 1971 | 108 |
| fodder | - | - | - | 1000 | 1000 | 4 | - | - |
| fruits & nuts | - | 423 | 389 | 188 | 1000 | 66 | 145 | 9 |
| other cash crops | - | 158 | 694 | 148 | 1000 | 317 | 248 | 12 |
| others | - | - | - | 1000 | 1000 | 42 | - | - |
| all crops | 9 | 214 | 140 | 638 | 1000 | 38276 | 13886 | 791 |

Punjab

| | | | | | | | | |
|------------------------|-----|-----|------|-----|------|-------|------|-----|
| Paddy(<i>kharif</i>) | 6 | 93 | 881 | 20 | 1000 | 14095 | 6567 | 563 |
| Paddy(<i>rabi</i>) | 336 | 59 | 572 | 33 | 1000 | 571 | 268 | 23 |
| wheat | 74 | 129 | 756 | 41 | 1000 | 21703 | 8718 | 745 |
| other cereals | 168 | 111 | 405 | 316 | 1000 | 730 | 499 | 48 |
| pulses | - | 227 | 432 | 340 | 1000 | 89 | 91 | 8 |
| oil seeds | - | 67 | 837 | 96 | 1000 | 199 | 355 | 32 |
| mixed crop | - | 623 | 200 | 177 | 1000 | 24 | 34 | 3 |
| sugar cane | 21 | 237 | 653 | 88 | 1000 | 189 | 322 | 29 |
| vegetables | - | 451 | 549 | - | 1000 | 324 | 288 | 26 |
| fodder | 20 | 242 | 319 | 419 | 1000 | 4913 | 5283 | 442 |
| fruits & nuts | - | - | 1000 | - | 1000 | 146 | 32 | 1 |
| other cash crops | 3 | 162 | 822 | 13 | 1000 | 6573 | 2179 | 175 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only."

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| | | | | | | | | |
|-----------|----|-----|-----|-----|------|-------|------|-----|
| others | 25 | 15 | 193 | 767 | 1000 | 374 | 96 | 8 |
| all crops | 43 | 135 | 744 | 78 | 1000 | 49942 | 9193 | 789 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

Table (9): Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc.** and weedicides

| crop group | per 1000 distribution of area treated with | | | | all | estd. area under the crop (00 ha) | no. of hhs. cultivating the crop using pesticides | |
|------------------------|--|--------------------------|-----------|------------|-------------|--|---|------------|
| | weedicides only | pesticides, etc. only | both | none | | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Rajasthan | | | | | | | | |
| Paddy(<i>kharif</i>) | 50 | 434 | 17 | 499 | 1000 | 1259 | 467 | 19 |
| Paddy(<i>rabi</i>) | - | 588 | 239 | 173 | 1000 | 285 | 134 | 7 |
| wheat | 49 | 241 | 137 | 573 | 1000 | 32952 | 9847 | 537 |
| other cereals | 9 | 84 | 78 | 829 | 1000 | 54819 | 6880 | 363 |
| pulses | 18 | 105 | 31 | 845 | 1000 | 19670 | 2464 | 130 |
| oil seeds | 46 | 274 | 84 | 596 | 1000 | 19110 | 5786 | 311 |
| mixed crop | 3 | 11 | 2 | 985 | 1000 | 13654 | 393 | 20 |
| sugar cane | 3 | 346 | 79 | 572 | 1000 | 582 | 361 | 20 |
| vegetables | 57 | 437 | 305 | 201 | 1000 | 403 | 661 | 43 |
| fodder | 3 | 182 | 8 | 807 | 1000 | 5670 | 2053 | 112 |
| fruits & nuts | 255 | - | - | 745 | 1000 | 83 | 40 | 2 |
| other cash crops | 25 | 675 | 37 | 263 | 1000 | 12265 | 4003 | 222 |
| others | 17 | 37 | 140 | 806 | 1000 | 4638 | 916 | 50 |
| all crops | 24 | 185 | 75 | 716 | 1000 | 165418 | 15380 | 820 |

Sikkim

| | | | | | | | | |
|------------------------|---|-----|----|------|------|-----|----|----|
| Paddy(<i>kharif</i>) | - | 63 | 1 | 935 | 1000 | 63 | 11 | 10 |
| Paddy(<i>rabi</i>) | - | - | - | 1000 | 1000 | 2 | - | - |
| wheat | - | 41 | - | 959 | 1000 | 8 | 4 | 4 |
| other cereals | - | 2 | 0 | 998 | 1000 | 189 | 3 | 3 |
| pulses | - | - | - | 1000 | 1000 | 10 | - | - |
| oil seeds | - | 109 | - | 891 | 1000 | 3 | 2 | 2 |
| mixed crop | - | - | - | 1000 | 1000 | 1 | - | - |
| sugar cane | - | - | - | 1000 | 1000 | 0 | - | - |
| vegetables | - | 105 | - | 895 | 1000 | 66 | 14 | 15 |
| fodder | - | - | - | 1000 | 1000 | 11 | - | - |
| fruits & nuts | - | - | - | 1000 | 1000 | 5 | - | - |
| other cash crops | 7 | 27 | 37 | 928 | 1000 | 78 | 14 | 14 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only."

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|-----------|---|----|---|------|------|-----|----|----|
| others | - | - | - | 1000 | 1000 | 3 | - | - |
| all crops | 1 | 32 | 7 | 960 | 1000 | 438 | 33 | 33 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
 2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.
- **"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

Table (9): Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc.** and weedicides

| crop group | per 1000 distribution of area treated with | | | | all | estd. area under the crop (00 ha) | no. of hhs. cultivating the crop using pesticides | |
|------------------------|--|--------------------------|------------|------------|-------------|--|---|-------------|
| | weedicides only | pesticides, etc. only | both | none | | | estd. | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Tamil Nadu | | | | | | | | |
| Paddy(<i>kharif</i>) | 8 | 350 | 608 | 34 | 1000 | 9711 | 13733 | 775 |
| Paddy(<i>rabi</i>) | 7 | 312 | 659 | 21 | 1000 | 5861 | 8870 | 481 |
| wheat | - | 434 | 91 | 475 | 1000 | 81 | 90 | 6 |
| other cereals | 49 | 258 | 459 | 234 | 1000 | 5316 | 5163 | 286 |
| pulses | 7 | 516 | 186 | 291 | 1000 | 1920 | 1783 | 107 |
| oil seeds | 9 | 442 | 286 | 263 | 1000 | 2413 | 2750 | 156 |
| mixed crop | - | 398 | 552 | 50 | 1000 | 596 | 491 | 27 |
| sugar cane | - | 190 | 721 | 89 | 1000 | 1720 | 1918 | 90 |
| vegetables | 3 | 368 | 417 | 212 | 1000 | 947 | 1737 | 90 |
| fodder | 33 | 93 | 380 | 494 | 1000 | 462 | 806 | 45 |
| fruits & nuts | 65 | 172 | 207 | 556 | 1000 | 1796 | 1724 | 104 |
| other cash crops | 8 | 525 | 362 | 105 | 1000 | 3178 | 4312 | 240 |
| others | 21 | 245 | 400 | 334 | 1000 | 855 | 929 | 52 |
| all crops | 17 | 340 | 495 | 148 | 1000 | 34863 | 29183 | 1612 |

Tripura

| | | | | | | | | |
|------------------------|----|-----|-----|------|------|-----|------|-----|
| Paddy(<i>kharif</i>) | 15 | 200 | 524 | 261 | 1000 | 766 | 1158 | 213 |
| Paddy(<i>rabi</i>) | 27 | 202 | 458 | 313 | 1000 | 404 | 627 | 123 |
| wheat | 9 | 49 | 943 | - | 1000 | 57 | 124 | 17 |
| other cereals | - | - | - | 1000 | 1000 | 2 | - | - |
| pulses | - | - | - | - | - | - | - | - |
| oil seeds | - | - | - | - | - | - | - | - |
| mixed crop | - | - | - | 1000 | 1000 | 5 | - | - |
| sugar cane | - | - | - | - | - | - | - | - |
| vegetables | 43 | 146 | 529 | 282 | 1000 | 163 | 549 | 110 |
| fodder | - | - | - | - | - | - | - | - |
| fruits & nuts | - | 30 | 476 | 494 | 1000 | 12 | 22 | 5 |
| other cash crops | - | - | 192 | 808 | 1000 | 3 | 3 | 1 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

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| | | | | | | | | |
|-----------|----|-----|-----|-----|------|------|------|-----|
| others | - | - | 102 | 898 | 1000 | 2 | 4 | 1 |
| all crops | 21 | 186 | 518 | 275 | 1000 | 1415 | 1675 | 316 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
 2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.
- **"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

Table (9): Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc.** and weedicides

| crop group | per 1000 distribution of area treated with | | | | | estd. area under the crop (00 ha) | no. of hhs. cultivating the crop using pesticides | |
|------------------------|--|--------------------------|------------|------------|-------------|--|---|-------------|
| | weedicides only | pesticides, etc. only | both | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Uttar Pradesh | | | | | | | | |
| Paddy(<i>kharif</i>) | 50 | 174 | 165 | 610 | 1000 | 60141 | 34750 | 1571 |
| Paddy(<i>rabi</i>) | 116 | 95 | 289 | 500 | 1000 | 1405 | 755 | 34 |
| wheat | 51 | 145 | 128 | 677 | 1000 | 94610 | 38591 | 1751 |
| other cereals | 39 | 88 | 40 | 833 | 1000 | 26849 | 8034 | 372 |
| pulses | 7 | 180 | 108 | 705 | 1000 | 18741 | 9858 | 468 |
| oil seeds | 17 | 164 | 56 | 763 | 1000 | 8174 | 3838 | 177 |
| mixed crop | 27 | 113 | 84 | 776 | 1000 | 5079 | 2224 | 107 |
| sugar cane | 40 | 189 | 208 | 563 | 1000 | 14807 | 9917 | 445 |
| vegetables | 28 | 367 | 113 | 492 | 1000 | 5576 | 9534 | 445 |
| fodder | 22 | 103 | 79 | 796 | 1000 | 9734 | 6303 | 274 |
| fruits & nuts | 24 | 344 | 64 | 568 | 1000 | 890 | 880 | 41 |
| other cash crops | 47 | 269 | 162 | 522 | 1000 | 2629 | 2550 | 105 |
| others | 34 | 115 | 127 | 723 | 1000 | 1721 | 1376 | 63 |
| all crops | 42 | 156 | 126 | 676 | 1000 | 250492 | 54913 | 2497 |
| West Bengal | | | | | | | | |
| Paddy(<i>kharif</i>) | 17 | 616 | 249 | 118 | 1000 | 28359 | 45496 | 2164 |
| Paddy(<i>rabi</i>) | 38 | 541 | 311 | 110 | 1000 | 7499 | 17401 | 787 |
| wheat | 2 | 720 | 149 | 129 | 1000 | 3067 | 7961 | 368 |
| other cereals | 28 | 534 | 146 | 292 | 1000 | 257 | 631 | 30 |
| pulses | 103 | 460 | 72 | 365 | 1000 | 680 | 1952 | 93 |
| oil seeds | 4 | 525 | 262 | 209 | 1000 | 1811 | 5599 | 261 |
| mixed crop | 72 | 248 | 29 | 651 | 1000 | 195 | 330 | 16 |
| sugar cane | - | 554 | 186 | 260 | 1000 | 124 | 447 | 20 |
| vegetables | 6 | 624 | 248 | 123 | 1000 | 3929 | 14254 | 644 |
| fodder | - | 989 | - | 11 | 1000 | 18 | 36 | 3 |
| fruits & nuts | - | 618 | 306 | 76 | 1000 | 252 | 1064 | 45 |
| other cash crops | 40 | 505 | 123 | 332 | 1000 | 3802 | 8540 | 395 |
| others | - | 767 | 153 | 80 | 1000 | 769 | 2004 | 93 |
| all crops | 21 | 598 | 238 | 143 | 1000 | 50792 | 53072 | 2505 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only."

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

Table (9): Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc.** and weedicides

| crop group | per 1000 distribution of area treated with | | | | | estd. area under the crop (00 ha) | no. of hhs. cultivating the crop using pesticides | |
|----------------------------|--|--------------------------|------------|------------|-------------|--|---|--------------|
| | weedicides only | pesticides, etc. only | both | none | all | | estd. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| A. & N. Islands | | | | | | | | |
| Paddy(<i>kharif</i>) | 3 | 120 | 329 | 549 | 1000 | 109 | 35 | 31 |
| Paddy(<i>rabi</i>) | - | - | - | 1000 | 1000 | 0 | - | - |
| wheat | - | - | - | - | - | - | - | - |
| other cereals | - | - | - | - | - | - | - | - |
| pulses | - | 290 | - | 710 | 1000 | 12 | 19 | 14 |
| oil seeds | - | - | - | - | - | - | - | - |
| mixed crop | - | - | - | - | - | - | - | - |
| sugar cane | - | - | - | - | - | - | - | - |
| vegetables | 2 | 174 | 686 | 138 | 1000 | 17 | 32 | 20 |
| fodder | - | - | - | - | - | - | - | - |
| fruits & nuts | - | - | - | - | - | - | - | - |
| other cash crops | - | - | - | - | - | - | - | - |
| others | - | - | - | - | - | - | - | - |
| all crops | 2 | 140 | 345 | 512 | 1000 | 138 | 55 | 42 |
| India | | | | | | | | |
| Paddy(<i>kharif</i>) | 26 | 289 | 231 | 454 | 1000 | 348071 | 226054 | 12903 |
| Paddy(<i>rabi</i>) | 28 | 414 | 321 | 236 | 1000 | 36284 | 46002 | 2480 |
| wheat | 53 | 208 | 228 | 511 | 1000 | 289342 | 132591 | 7223 |
| other cereals | 24 | 203 | 112 | 661 | 1000 | 229847 | 85595 | 4497 |
| pulses | 15 | 282 | 107 | 596 | 1000 | 113692 | 62225 | 3244 |
| oil seeds | 25 | 320 | 205 | 450 | 1000 | 127563 | 57243 | 3018 |
| mixed crop | 19 | 290 | 89 | 602 | 1000 | 49306 | 16937 | 1083 |
| sugar cane | 39 | 247 | 265 | 449 | 1000 | 29062 | 21568 | 1042 |
| vegetables | 19 | 399 | 195 | 387 | 1000 | 29845 | 60291 | 3983 |
| fodder | 24 | 153 | 138 | 685 | 1000 | 32133 | 23111 | 1457 |
| fruits & nuts | 15 | 343 | 217 | 425 | 1000 | 12150 | 12625 | 934 |
| other cash crops | 15 | 531 | 230 | 225 | 1000 | 92959 | 62381 | 3305 |
| others | 20 | 191 | 217 | 572 | 1000 | 17715 | 12302 | 773 |
| all crops | 29 | 277 | 193 | 500 | 1000 | 1408832 | 410999 | 23063 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

**"Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides" covers "weedicides only.

Table (10): Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

| size-class of ownership holding (ha) | using machines | | | | all | no. of field-crop cultivator hhs | |
|--|----------------|---------------|---------------|------|------|-------------------------------------|--------|
| | manual only | owned only | hired only | both | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Andhra Pradesh | | | | | | | |
| nil (<0.01) | 997 | - | 3 | - | 1000 | 816 | 35 |
| 00.01 - 00.20 | 946 | 19 | 35 | - | 1000 | 4366 | 203 |
| 00.21 - 00.50 | 942 | 4 | 55 | - | 1000 | 12989 | 627 |
| 00.51 - 01.00 | 954 | 11 | 35 | - | 1000 | 12848 | 596 |
| 01.01 - 02.00 | 961 | 8 | 31 | - | 1000 | 10837 | 499 |
| 02.01 - 04.00 | 966 | - | 34 | - | 1000 | 7035 | 347 |
| 04.01 - 10.00 | 944 | 14 | 42 | - | 1000 | 3455 | 164 |
| 10.01 & above | 1000 | - | - | - | 1000 | 495 | 25 |
| all | 954 | 8 | 39 | - | 1000 | 52840 | 2496 |
| Arunachal Pradesh | | | | | | | |
| nil (<0.01) | 974 | 26 | - | - | 1000 | 203 | 70 |
| 00.01 - 00.20 | 956 | 44 | - | - | 1000 | 79 | 34 |
| 00.21 - 00.50 | 848 | 111 | 41 | - | 1000 | 190 | 81 |
| 00.51 - 01.00 | 988 | 12 | - | - | 1000 | 221 | 108 |
| 01.01 - 02.00 | 994 | 6 | - | - | 1000 | 292 | 125 |
| 02.01 - 04.00 | 1000 | - | - | - | 1000 | 165 | 90 |
| 04.01 - 10.00 | 993 | 7 | - | - | 1000 | 161 | 86 |
| 10.01 & above | 1000 | - | - | - | 1000 | 11 | 8 |
| all | 967 | 27 | 6 | - | 1000 | 1321 | 602 |
| Assam | | | | | | | |
| nil (<0.01) | 993 | 7 | - | - | 1000 | 552 | 63 |
| 00.01 - 00.20 | 999 | 1 | - | - | 1000 | 3132 | 307 |
| 00.21 - 00.50 | 952 | 41 | 7 | - | 1000 | 4041 | 432 |
| 00.51 - 01.00 | 959 | 41 | - | - | 1000 | 6940 | 603 |
| 01.01 - 02.00 | 979 | 21 | - | - | 1000 | 6968 | 582 |
| 02.01 - 04.00 | 942 | 24 | 34 | - | 1000 | 2536 | 205 |
| 04.01 - 10.00 | 928 | - | 72 | - | 1000 | 520 | 42 |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 967 | 27 | 6 | - | 1000 | 24689 | 2234 |

Table (10): Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

| size-class of ownership holding (ha) | using machines | | | | all | no. of field-crop cultivator hhs | |
|--|----------------|---------------|---------------|------|------|-------------------------------------|--------|
| | manual only | owned only | hired only | both | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Bihar | | | | | | | |
| nil (<0.01) | 973 | 27 | - | - | 1000 | 3743 | 197 |
| 00.01 - 00.20 | 994 | 5 | 1 | - | 1000 | 19828 | 1015 |
| 00.21 - 00.50 | 992 | 6 | 2 | - | 1000 | 23571 | 1234 |
| 00.51 - 01.00 | 994 | 4 | 3 | - | 1000 | 20184 | 976 |
| 01.01 - 02.00 | 982 | 9 | 9 | - | 1000 | 15932 | 781 |
| 02.01 - 04.00 | 983 | 2 | 14 | - | 1000 | 6811 | 331 |
| 04.01 - 10.00 | 979 | 10 | 10 | - | 1000 | 2313 | 111 |
| 10.01 & above | 897 | 57 | 46 | - | 1000 | 278 | 14 |
| all | 989 | 7 | 4 | - | 1000 | 92660 | 4659 |
| Gujarat | | | | | | | |
| nil (<0.01) | 1000 | - | - | - | 1000 | 151 | 5 |
| 00.01 - 00.20 | 981 | - | 19 | - | 1000 | 1224 | 68 |
| 00.21 - 00.50 | 965 | 2 | 33 | - | 1000 | 7372 | 382 |
| 00.51 - 01.00 | 962 | 9 | 28 | - | 1000 | 5864 | 287 |
| 01.01 - 02.00 | 923 | 44 | 33 | - | 1000 | 6566 | 338 |
| 02.01 - 04.00 | 923 | 22 | 52 | 4 | 1000 | 5532 | 282 |
| 04.01 - 10.00 | 899 | 27 | 74 | - | 1000 | 3742 | 200 |
| 10.01 & above | 842 | 76 | 82 | - | 1000 | 529 | 30 |
| all | 939 | 20 | 41 | 1 | 1000 | 30981 | 1592 |
| Haryana | | | | | | | |
| nil (<0.01) | 1000 | - | - | - | 1000 | 109 | 5 |
| 00.01 - 00.20 | 1000 | - | - | - | 1000 | 573 | 27 |
| 00.21 - 00.50 | 985 | - | 15 | - | 1000 | 1851 | 90 |
| 00.51 - 01.00 | 1000 | - | - | - | 1000 | 1839 | 85 |
| 01.01 - 02.00 | 965 | 9 | 27 | - | 1000 | 2973 | 138 |
| 02.01 - 04.00 | 947 | 11 | 42 | - | 1000 | 2362 | 116 |
| 04.01 - 10.00 | 825 | 80 | 96 | - | 1000 | 1613 | 77 |
| 10.01 & above | 696 | 102 | 202 | - | 1000 | 229 | 13 |
| all | 947 | 18 | 35 | - | 1000 | 11548 | 551 |

Table (10): Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

| size-class of ownership holding (ha) | using machines | | | | all | no. of field-crop cultivator hhs | |
|--|----------------|---------------|---------------|------|------|-------------------------------------|--------|
| | manual only | owned only | hired only | both | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Himachal Pradesh | | | | | | | |
| nil <0.01) | 1000 | - | - | - | 1000 | 45 | 8 |
| 00.01 - 00.20 | 994 | 3 | 3 | - | 1000 | 1691 | 322 |
| 00.21 - 00.50 | 996 | 4 | - | - | 1000 | 2939 | 550 |
| 00.51 - 01.00 | 990 | 5 | 5 | - | 1000 | 2208 | 404 |
| 01.01 - 02.00 | 995 | - | 5 | - | 1000 | 1277 | 241 |
| 02.01 - 04.00 | 989 | - | 11 | - | 1000 | 522 | 99 |
| 04.01 - 10.00 | 1000 | - | - | - | 1000 | 108 | 22 |
| 10.01 & above | 1000 | - | - | - | 1000 | 35 | 7 |
| all | 994 | 3 | 3 | - | 1000 | 8825 | 1653 |
| Jammu & Kashmir | | | | | | | |
| nil <0.01) | 1000 | - | - | - | 1000 | 11 | 4 |
| 00.01 - 00.20 | 969 | 31 | - | - | 1000 | 1039 | 218 |
| 00.21 - 00.50 | 997 | 2 | 1 | - | 1000 | 2807 | 578 |
| 00.51 - 01.00 | 970 | 27 | 2 | - | 1000 | 1978 | 392 |
| 01.01 - 02.00 | 986 | 9 | 5 | - | 1000 | 997 | 242 |
| 02.01 - 04.00 | 979 | 21 | - | - | 1000 | 353 | 84 |
| 04.01 - 10.00 | 1000 | - | - | - | 1000 | 51 | 17 |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 983 | 15 | 2 | - | 1000 | 7236 | 1535 |
| Karnataka | | | | | | | |
| nil(<0.01) | 624 | 209 | 166 | - | 1000 | 146 | 7 |
| 00.01 - 00.20 | 954 | - | 46 | - | 1000 | 2826 | 137 |
| 00.21 - 00.50 | 893 | 4 | 103 | - | 1000 | 6735 | 322 |
| 00.51 - 01.00 | 893 | 8 | 99 | - | 1000 | 10269 | 445 |
| 01.01 - 02.00 | 826 | 19 | 152 | 4 | 1000 | 12321 | 522 |
| 02.01 - 04.00 | 768 | 16 | 216 | - | 1000 | 7165 | 308 |
| 04.01 - 10.00 | 690 | 25 | 285 | - | 1000 | 4250 | 184 |
| 10.01 & above | 347 | 112 | 541 | - | 1000 | 656 | 28 |
| all | 829 | 15 | 155 | 1 | 1000 | 44369 | 1953 |

Table (10): Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

| size-class of ownership holding (ha) | using machines | | | | all | no. of field-crop cultivator hhs | |
|--|----------------|---------------|---------------|------|------|-------------------------------------|--------|
| | manual only | owned only | hired only | both | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Kerala | | | | | | | |
| nil(<0.01) | 1000 | - | - | - | 1000 | 75 | 4 |
| 00.01 - 00.20 | 971 | 28 | 1 | - | 1000 | 22100 | 1401 |
| 00.21 - 00.50 | 978 | 20 | 2 | - | 1000 | 6402 | 419 |
| 00.51 - 01.00 | 967 | 28 | 6 | - | 1000 | 3374 | 201 |
| 01.01 - 02.00 | 974 | 26 | - | - | 1000 | 1976 | 116 |
| 02.01 - 04.00 | 968 | - | 32 | - | 1000 | 485 | 29 |
| 04.01 - 10.00 | 899 | - | 101 | - | 1000 | 170 | 10 |
| 10.01 & above | 1000 | - | - | - | 1000 | 32 | 2 |
| all | 972 | 26 | 3 | - | 1000 | 34615 | 2182 |
| Madhya Pradesh | | | | | | | |
| nil(<0.01) | 1000 | - | - | - | 1000 | 421 | 21 |
| 00.01 - 00.20 | 999 | 1 | - | - | 1000 | 2467 | 139 |
| 00.21 - 00.50 | 996 | 4 | - | - | 1000 | 9680 | 539 |
| 00.51 - 01.00 | 992 | 5 | 3 | - | 1000 | 15036 | 774 |
| 01.01 - 02.00 | 984 | 9 | 7 | - | 1000 | 21560 | 1108 |
| 02.01 - 04.00 | 990 | 4 | 6 | - | 1000 | 18818 | 954 |
| 04.01 - 10.00 | 980 | 5 | 15 | - | 1000 | 8158 | 434 |
| 10.01 & above | 960 | 22 | 18 | - | 1000 | 1028 | 62 |
| all | 988 | 6 | 6 | - | 1000 | 77168 | 4031 |
| Maharashtra | | | | | | | |
| nil (<0.01) | 980 | - | 20 | - | 1000 | 178 | 7 |
| 00.01 - 00.20 | 981 | - | 19 | - | 1000 | 3913 | 188 |
| 00.21 - 00.50 | 955 | 10 | 35 | - | 1000 | 8349 | 399 |
| 00.51 - 01.00 | 913 | 10 | 77 | - | 1000 | 12111 | 559 |
| 01.01 - 02.00 | 899 | 4 | 98 | - | 1000 | 15774 | 739 |
| 02.01 - 04.00 | 906 | 6 | 88 | - | 1000 | 11295 | 527 |
| 04.01 - 10.00 | 859 | 9 | 128 | 4 | 1000 | 6238 | 287 |
| 10.01 & above | 722 | 42 | 236 | - | 1000 | 883 | 40 |
| all | 910 | 7 | 82 | 0 | 1000 | 58740 | 2746 |

Table (10): Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

| size-class of ownership holding (ha) | using machines | | | | all | no. of field-crop cultivator hhs | |
|--|----------------|---------------|---------------|------|------|-------------------------------------|--------|
| | manual only | owned only | hired only | both | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Manipur | | | | | | | |
| nil (<0.01) | 1000 | - | - | - | 1000 | 198 | 80 |
| 00.01 - 00.20 | 998 | 2 | - | - | 1000 | 189 | 57 |
| 00.21 - 00.50 | 934 | 25 | 41 | - | 1000 | 483 | 174 |
| 00.51 - 01.00 | 989 | 4 | 7 | - | 1000 | 832 | 256 |
| 01.01 - 02.00 | 974 | 26 | - | - | 1000 | 353 | 140 |
| 02.01 - 04.00 | 1000 | - | - | - | 1000 | 76 | 34 |
| 04.01 - 10.00 | 1000 | - | - | - | 1000 | 10 | 6 |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 976 | 12 | 12 | - | 1000 | 2139 | 747 |
| Meghalaya | | | | | | | |
| nil (<0.01) | 1000 | - | - | - | 1000 | 17 | 6 |
| 00.01 - 00.20 | 999 | 1 | - | - | 1000 | 385 | 121 |
| 00.21 - 00.50 | 1000 | - | - | - | 1000 | 782 | 210 |
| 00.51 - 01.00 | 1000 | - | - | - | 1000 | 796 | 225 |
| 01.01 - 02.00 | 1000 | - | - | - | 1000 | 605 | 193 |
| 02.01 - 04.00 | 985 | 7 | 8 | - | 1000 | 425 | 136 |
| 04.01 - 10.00 | 1000 | - | - | - | 1000 | 92 | 29 |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 998 | 1 | 1 | - | 1000 | 3103 | 920 |
| Mizoram | | | | | | | |
| nil (<0.01) | 970 | 30 | - | - | 1000 | 104 | 72 |
| 00.01 - 00.20 | 992 | 8 | - | - | 1000 | 339 | 263 |
| 00.21 - 00.50 | 1000 | - | - | - | 1000 | 43 | 45 |
| 00.51 - 01.00 | 925 | 75 | - | - | 1000 | 55 | 47 |
| 01.01 - 02.00 | 1000 | - | - | - | 1000 | 66 | 54 |
| 02.01 - 04.00 | 1000 | - | - | - | 1000 | 14 | 16 |
| 04.01 - 10.00 | 1000 | - | - | - | 1000 | 3 | 3 |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 984 | 16 | - | - | 1000 | 624 | 500 |

Table (10): Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

| size-class of ownership holding (ha) | using machines | | | | all | no. of field-crop cultivator hhs | |
|--|----------------|---------------|---------------|------|------|-------------------------------------|--------|
| | manual only | owned only | hired only | both | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Nagaland | | | | | | | |
| nil (<.01) | 1000 | - | - | - | 1000 | 16 | 13 |
| 00.01 - 00.20 | 1000 | - | - | - | 1000 | 24 | 20 |
| 00.21 - 00.50 | 1000 | - | - | - | 1000 | 37 | 47 |
| 00.51 - 01.00 | 1000 | - | - | - | 1000 | 77 | 71 |
| 01.01 - 02.00 | 998 | 2 | - | - | 1000 | 190 | 177 |
| 02.01 - 04.00 | 994 | 6 | - | - | 1000 | 329 | 356 |
| 04.01 - 10.00 | 980 | 20 | - | - | 1000 | 127 | 136 |
| 10.01 & above | 1000 | - | - | - | 1000 | 7 | 8 |
| all | 994 | 6 | - | - | 1000 | 807 | 828 |
| Orissa | | | | | | | |
| nil (<.01) | 1000 | - | - | - | 1000 | 198 | 20 |
| 00.01 - 00.20 | 987 | 5 | 8 | - | 1000 | 5949 | 326 |
| 00.21 - 00.50 | 986 | 6 | 8 | - | 1000 | 12133 | 657 |
| 00.51 - 01.00 | 987 | 6 | 8 | - | 1000 | 10803 | 553 |
| 01.01 - 02.00 | 959 | 27 | 15 | - | 1000 | 7280 | 378 |
| 02.01 - 04.00 | 984 | 9 | 7 | - | 1000 | 2881 | 146 |
| 04.01 - 10.00 | 1000 | - | - | - | 1000 | 609 | 32 |
| 10.01 & above | 1000 | - | - | - | 1000 | 122 | 3 |
| all | 981 | 10 | 9 | - | 1000 | 39975 | 2115 |
| Punjab | | | | | | | |
| nil (<0.01) | 709 | - | 291 | - | 1000 | 50 | 5 |
| 00.01 - 00.20 | 1000 | - | - | - | 1000 | 482 | 47 |
| 00.21 - 00.50 | 861 | 28 | 111 | - | 1000 | 1130 | 99 |
| 00.51 - 01.00 | 825 | 12 | 152 | 11 | 1000 | 1462 | 122 |
| 01.01 - 02.00 | 621 | 41 | 330 | 8 | 1000 | 2909 | 254 |
| 02.01 - 04.00 | 458 | 52 | 450 | 39 | 1000 | 2202 | 190 |
| 04.01 - 10.00 | 389 | 67 | 497 | 46 | 1000 | 1575 | 133 |
| 10.01 & above | 175 | 123 | 637 | 66 | 1000 | 377 | 33 |
| all | 608 | 43 | 327 | 22 | 1000 | 10188 | 883 |

Table (10): Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

| size-class of ownership holding (ha) | using machines | | | | all | no. of field-crop cultivator hhs | |
|--|----------------|---------------|---------------|------|------|-------------------------------------|--------|
| | manual only | owned only | hired only | both | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Rajasthan | | | | | | | |
| nil (<.01) | 1000 | - | - | - | 1000 | 306 | 19 |
| 00.01 - 00.20 | 990 | - | 10 | - | 1000 | 2073 | 110 |
| 00.21 - 00.50 | 997 | 3 | - | - | 1000 | 7782 | 415 |
| 00.51 - 01.00 | 995 | 5 | - | - | 1000 | 8603 | 445 |
| 01.01 - 02.00 | 983 | 8 | 9 | - | 1000 | 11017 | 583 |
| 02.01 - 04.00 | 992 | 3 | 5 | - | 1000 | 9684 | 539 |
| 04.01 - 10.00 | 969 | 12 | 19 | - | 1000 | 7914 | 451 |
| 10.01 & above | 974 | 13 | 14 | - | 1000 | 2009 | 124 |
| all | 987 | 6 | 7 | - | 1000 | 49388 | 2686 |
| Sikkim | | | | | | | |
| nil (<0.01) | 986 | 14 | - | - | 1000 | 60 | 76 |
| 00.01 - 00.20 | 1000 | - | - | - | 1000 | 95 | 111 |
| 00.21 - 00.50 | 993 | - | 7 | - | 1000 | 180 | 216 |
| 00.51 - 01.00 | 1000 | - | - | - | 1000 | 123 | 136 |
| 01.01 - 02.00 | 979 | 9 | 12 | - | 1000 | 85 | 92 |
| 02.01 - 04.00 | 1000 | - | - | - | 1000 | 38 | 42 |
| 04.01 - 10.00 | 1000 | - | - | - | 1000 | 3 | 4 |
| 10.01 & above | 1000 | - | - | - | 1000 | 1 | 1 |
| all | 993 | 3 | 4 | - | 1000 | 586 | 678 |
| Tamil Nadu | | | | | | | |
| nil (<0.01) | 1000 | - | - | - | 1000 | 707 | 41 |
| 00.01 - 00.20 | 995 | - | 5 | - | 1000 | 4184 | 247 |
| 00.21 - 00.50 | 978 | 2 | 19 | - | 1000 | 10470 | 610 |
| 00.51 - 01.00 | 963 | 8 | 29 | - | 1000 | 8949 | 487 |
| 01.01 - 02.00 | 980 | - | 20 | - | 1000 | 5976 | 321 |
| 02.01 - 04.00 | 958 | 7 | 35 | - | 1000 | 2684 | 136 |
| 04.01 - 10.00 | 1000 | - | - | - | 1000 | 966 | 42 |
| 10.01 & above | 1000 | - | - | - | 1000 | 49 | 3 |
| all | 976 | 3 | 20 | - | 1000 | 33985 | 1887 |

Table (10): Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

| size-class of ownership holding (ha) | using machines | | | | all | no. of field-crop cultivator hhs | |
|--|----------------|---------------|---------------|------|------|-------------------------------------|--------|
| | manual only | owned only | hired only | both | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Tripura | | | | | | | |
| nil (<0.01) | 589 | 117 | 294 | - | 1000 | 43 | 8 |
| 00.01 - 00.20 | 919 | 57 | 24 | - | 1000 | 490 | 110 |
| 00.21 - 00.50 | 954 | 12 | 34 | - | 1000 | 910 | 187 |
| 00.51 - 01.00 | 867 | 63 | 70 | - | 1000 | 652 | 134 |
| 01.01 - 02.00 | 796 | 81 | 123 | - | 1000 | 215 | 40 |
| 02.01 - 04.00 | 547 | 388 | 65 | - | 1000 | 71 | 16 |
| 04.01 - 10.00 | 585 | 415 | - | - | 1000 | 8 | 2 |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 889 | 56 | 55 | - | 1000 | 2389 | 497 |
| Uttar Pradesh | | | | | | | |
| nil (<0.01) | 1000 | - | - | - | 1000 | 599 | 29 |
| 00.01 - 00.20 | 983 | 11 | 5 | - | 1000 | 30448 | 1426 |
| 00.21 - 00.50 | 990 | 6 | 4 | - | 1000 | 50848 | 2087 |
| 00.51 - 01.00 | 981 | 13 | 6 | - | 1000 | 40361 | 1665 |
| 01.01 - 02.00 | 978 | 13 | 10 | - | 1000 | 29586 | 1205 |
| 02.01 - 04.00 | 972 | 17 | 11 | - | 1000 | 14076 | 606 |
| 04.01 - 10.00 | 958 | 33 | 9 | - | 1000 | 5049 | 226 |
| 10.01 & above | 937 | - | 63 | - | 1000 | 396 | 19 |
| all | 982 | 11 | 6 | - | 1000 | 171362 | 7263 |
| West Bengal | | | | | | | |
| nil (<0.01) | 752 | 127 | 121 | - | 1000 | 1976 | 87 |
| 00.01 - 00.20 | 972 | 5 | 23 | - | 1000 | 15261 | 758 |
| 00.21 - 00.50 | 957 | 9 | 34 | - | 1000 | 19727 | 972 |
| 00.51 - 01.00 | 956 | 3 | 41 | - | 1000 | 14715 | 650 |
| 01.01 - 02.00 | 952 | 11 | 37 | - | 1000 | 6730 | 302 |
| 02.01 - 04.00 | 915 | 53 | 32 | - | 1000 | 2164 | 97 |
| 04.01 - 10.00 | 833 | 167 | - | - | 1000 | 191 | 9 |
| 10.01 & above | - | 1000 | - | - | 1000 | 24 | 1 |
| all | 951 | 13 | 36 | - | 1000 | 60788 | 2876 |

Table (10): Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

| size-class of ownership holding (ha) | using machines | | | | all | no. of field-crop cultivator hhs | |
|--|----------------|---------------|---------------|------|------|-------------------------------------|--------|
| | manual only | owned only | hired only | both | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| A. & N. Islands | | | | | | | |
| nil (<0.01) | 955 | 45 | - | - | 1000 | 33 | 25 |
| 00.01 - 00.20 | 1000 | - | - | - | 1000 | 9 | 8 |
| 00.21 - 00.50 | 1000 | - | - | - | 1000 | 5 | 7 |
| 00.51 - 01.00 | 1000 | - | - | - | 1000 | 17 | 16 |
| 01.01 - 02.00 | 1000 | - | - | - | 1000 | 22 | 21 |
| 02.01 - 04.00 | 1000 | - | - | - | 1000 | 20 | 20 |
| 04.01 - 10.00 | 1000 | - | - | - | 1000 | 6 | 5 |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 987 | 13 | - | - | 1000 | 113 | 102 |
| India | | | | | | | |
| nil (<0.01) | 935 | 37 | 27 | - | 1000 | 10806 | 914 |
| 00.01 - 00.20 | 981 | 11 | 9 | - | 1000 | 123414 | 7726 |
| 00.21 - 00.50 | 975 | 7 | 18 | - | 1000 | 191767 | 11440 |
| 00.51 - 01.00 | 967 | 10 | 23 | 0 | 1000 | 180495 | 10274 |
| 01.01 - 02.00 | 948 | 13 | 38 | 0 | 1000 | 162612 | 9215 |
| 02.01 - 04.00 | 938 | 11 | 50 | 1 | 1000 | 97772 | 5712 |
| 04.01 - 10.00 | 899 | 19 | 80 | 2 | 1000 | 47354 | 2716 |
| 10.01 & above | 817 | 43 | 136 | 3 | 1000 | 7168 | 422 |
| all | 958 | 11 | 30 | 0 | 1000 | 821388 | 48419 |

Table (10.1): Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

| size-class of ownership holding (ha) | manual | owned machine | hired machine | all | estd. area under 5 major crops. (00 ha) | no. of hhs. using machine for harvesting | |
|--------------------------------------|--------|---------------|---------------|------|---|--|--------|
| | | | | | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Andhra Pradesh | | | | | | | |
| nil (< 0.01) | 1000 | - | - | 1000 | 1109 | 2 | 1 |
| 00.01 - 00.20 | 955 | 15 | 30 | 1000 | 1077 | 238 | 12 |
| 00.21 - 00.50 | 944 | 4 | 52 | 1000 | 6374 | 759 | 36 |
| 00.51 - 01.00 | 955 | 11 | 35 | 1000 | 11125 | 595 | 27 |
| 01.01 - 02.00 | 961 | 7 | 32 | 1000 | 17640 | 418 | 19 |
| 02.01 - 04.00 | 970 | - | 30 | 1000 | 19148 | 237 | 11 |
| 04.01 - 10.00 | 966 | 8 | 26 | 1000 | 19089 | 193 | 9 |
| 10.01 & above | 1000 | - | - | 1000 | 6700 | - | - |
| all | 966 | 5 | 29 | 1000 | 82260 | 2441 | 115 |
| Arunachal Pradesh | | | | | | | |
| nil (< 0.01) | 991 | 9 | - | 1000 | 142 | 5 | 2 |
| 00.01 - 00.20 | 971 | 29 | - | 1000 | 10 | 3 | 2 |
| 00.21 - 00.50 | 841 | 129 | 30 | 1000 | 61 | 29 | 12 |
| 00.51 - 01.00 | 991 | 9 | - | 1000 | 117 | 3 | 1 |
| 01.01 - 02.00 | 998 | 2 | - | 1000 | 287 | 2 | 1 |
| 02.01 - 04.00 | 1000 | - | - | 1000 | 307 | - | - |
| 04.01 - 10.00 | 1000 | - | - | 1000 | 281 | 1 | 1 |
| 10.01 & above | 1000 | - | - | 1000 | 62 | - | - |
| all | 990 | 9 | 1 | 1000 | 1266 | 43 | 19 |
| Assam | | | | | | | |
| nil (< 0.01) | 955 | 45 | - | 1000 | 204 | 4 | 2 |
| 00.01 - 00.20 | 998 | 2 | - | 1000 | 394 | 5 | 1 |
| 00.21 - 00.50 | 964 | 32 | 5 | 1000 | 1640 | 192 | 15 |
| 00.51 - 01.00 | 967 | 33 | - | 1000 | 6278 | 287 | 20 |
| 01.01 - 02.00 | 982 | 18 | - | 1000 | 11087 | 145 | 10 |
| 02.01 - 04.00 | 948 | 24 | 28 | 1000 | 7850 | 147 | 13 |
| 04.01 - 10.00 | 961 | - | 39 | 1000 | 3164 | 38 | 4 |
| 10.01 & above | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | |
|-----|-----|----|----|------|-------|-----|----|
| all | 967 | 21 | 11 | 1000 | 30618 | 818 | 65 |
|-----|-----|----|----|------|-------|-----|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (10.1): Per 1000 distribution of area under five major crops by mode of harvesting for each size-class of ownership holding

| size-class of ownership holding (ha) | manual | owned machine | hired machine | all | estd. area under 5 major crops. (00 ha) | no. of hhs. using machine for harvesting | |
|--------------------------------------|--------|---------------|---------------|------|---|--|--------|
| | | | | | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Bihar | | | | | | | |
| nil (< 0.01) | 976 | 24 | - | 1000 | 3740 | 102 | 5 |
| 00.01 - 00.20 | 991 | 5 | 4 | 1000 | 4376 | 125 | 8 |
| 00.21 - 00.50 | 993 | 5 | 2 | 1000 | 14383 | 183 | 12 |
| 00.51 - 01.00 | 994 | 4 | 2 | 1000 | 24522 | 126 | 5 |
| 01.01 - 02.00 | 982 | 10 | 8 | 1000 | 33955 | 292 | 14 |
| 02.01 - 04.00 | 994 | 0 | 5 | 1000 | 28125 | 115 | 6 |
| 04.01 - 10.00 | 986 | 6 | 9 | 1000 | 17326 | 48 | 2 |
| 10.01 & above | 931 | 25 | 44 | 1000 | 8158 | 29 | 2 |
| all | 985 | 7 | 8 | 1000 | 134585 | 1019 | 54 |
| Gujarat | | | | | | | |
| nil (< 0.01) | 1000 | - | - | 1000 | 113 | - | - |
| 00.01 - 00.20 | 980 | - | 20 | 1000 | 467 | 23 | 1 |
| 00.21 - 00.50 | 960 | 1 | 39 | 1000 | 4301 | 257 | 15 |
| 00.51 - 01.00 | 956 | 3 | 41 | 1000 | 6386 | 221 | 10 |
| 01.01 - 02.00 | 938 | 30 | 32 | 1000 | 12302 | 506 | 27 |
| 02.01 - 04.00 | 950 | 18 | 32 | 1000 | 19218 | 428 | 20 |
| 04.01 - 10.00 | 955 | 11 | 34 | 1000 | 23963 | 378 | 21 |
| 10.01 & above | 933 | 44 | 23 | 1000 | 7030 | 84 | 4 |
| all | 949 | 18 | 33 | 1000 | 73780 | 1896 | 98 |
| Haryana | | | | | | | |
| nil (< 0.01) | 1000 | - | - | 1000 | 266 | - | - |
| 00.01 - 00.20 | 1000 | - | - | 1000 | 1365 | - | - |
| 00.21 - 00.50 | 965 | - | 35 | 1000 | 1940 | 29 | 2 |
| 00.51 - 01.00 | 1000 | - | - | 1000 | 2907 | - | - |
| 01.01 - 02.00 | 971 | 4 | 25 | 1000 | 7757 | 105 | 6 |
| 02.01 - 04.00 | 957 | 7 | 36 | 1000 | 10536 | 126 | 10 |
| 04.01 - 10.00 | 891 | 48 | 61 | 1000 | 12695 | 283 | 13 |
| 10.01 & above | 767 | 52 | 180 | 1000 | 4622 | 70 | 3 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | |
|-----|-----|----|----|------|-------|-----|----|
| all | 924 | 23 | 53 | 1000 | 42089 | 612 | 34 |
|-----|-----|----|----|------|-------|-----|----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (10.1): Per 1000 distribution of area under five major crops* by mode of harvesting for each size- class of ownership holding

| size-class of ownership holding (ha) | manual | owned machine | hired machine | all | estd. area under 5 major crops. (00 ha) | no. of hhs. using machine for harvesting | |
|--------------------------------------|--------|---------------|---------------|------|---|--|--------|
| | | | | | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Himachal Pradesh | | | | | | | |
| nil (< 0.01) | 1000 | - | - | 1000 | 34 | - | - |
| 00.01 - 00.20 | 998 | 0 | 2 | 1000 | 351 | 10 | 2 |
| 00.21 - 00.50 | 996 | 4 | - | 1000 | 1606 | 11 | 2 |
| 00.51 - 01.00 | 989 | 5 | 6 | 1000 | 2228 | 23 | 4 |
| 01.01 - 02.00 | 995 | - | 5 | 1000 | 2245 | 6 | 1 |
| 02.01 - 04.00 | 988 | - | 12 | 1000 | 1474 | 6 | 1 |
| 04.01 - 10.00 | 1000 | - | - | 1000 | 538 | - | - |
| 10.01 & above | 1000 | - | - | 1000 | 111 | - | - |
| all | 993 | 2 | 5 | 1000 | 8587 | 55 | 10 |
| Jammu & Kashmir | | | | | | | |
| nil (< 0.01) | 1000 | - | - | 1000 | 5 | - | - |
| 00.01 - 00.20 | 969 | 31 | - | 1000 | 225 | 33 | 3 |
| 00.21 - 00.50 | 998 | 1 | 1 | 1000 | 1464 | 8 | 2 |
| 00.51 - 01.00 | 977 | 21 | 2 | 1000 | 2149 | 59 | 7 |
| 01.01 - 02.00 | 992 | 5 | 3 | 1000 | 2018 | 14 | 3 |
| 02.01 - 04.00 | 968 | 32 | - | 1000 | 1335 | 7 | 1 |
| 04.01 - 10.00 | 1000 | - | - | 1000 | 351 | - | - |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 984 | 14 | 2 | 1000 | 7547 | 122 | 16 |
| Karnataka | | | | | | | |
| nil (< 0.01) | 205 | 6 | 789 | 1000 | 99 | 55 | 2 |
| 00.01 - 00.20 | 937 | - | 63 | 1000 | 464 | 131 | 7 |
| 00.21 - 00.50 | 905 | 4 | 90 | 1000 | 2910 | 720 | 30 |
| 00.51 - 01.00 | 878 | 5 | 117 | 1000 | 9132 | 1100 | 50 |
| 01.01 - 02.00 | 828 | 23 | 149 | 1000 | 20571 | 2150 | 88 |
| 02.01 - 04.00 | 794 | 13 | 193 | 1000 | 22063 | 1666 | 67 |
| 04.01 - 10.00 | 755 | 20 | 225 | 1000 | 24961 | 1317 | 55 |
| 10.01 & above | 435 | 93 | 472 | 1000 | 10397 | 428 | 17 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | |
|-----|-----|----|-----|------|-------|------|-----|
| all | 762 | 25 | 213 | 1000 | 90596 | 7566 | 316 |
|-----|-----|----|-----|------|-------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (10.1): Per 1000 distribution of area under five major* crops by mode of harvesting for each size-class of ownership holding

| size-class of ownership holding (ha) | manual | owned machine | hired machine | all | estd. area under 5 major crops. (00 ha) | no. of hhs. using machine for harvesting | |
|--------------------------------------|--------|---------------|---------------|------|---|--|--------|
| | | | | | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Kerala | | | | | | | |
| nil (< 0.01) | 1000 | - | - | 1000 | 1 | - | - |
| 00.01 - 00.20 | 978 | 18 | 3 | 1000 | 1332 | 650 | 43 |
| 00.21 - 00.50 | 982 | 16 | 2 | 1000 | 1935 | 138 | 8 |
| 00.51 - 01.00 | 968 | 28 | 4 | 1000 | 2091 | 112 | 5 |
| 01.01 - 02.00 | 978 | 22 | - | 1000 | 2082 | 51 | 2 |
| 02.01 - 04.00 | 976 | - | 24 | 1000 | 1011 | 15 | 1 |
| 04.01 - 10.00 | 919 | - | 81 | 1000 | 787 | 17 | 1 |
| 10.01 & above | 1000 | - | - | 1000 | 360 | - | - |
| all | 972 | 17 | 11 | 1000 | 9599 | 984 | 60 |
| Madhya Pradesh | | | | | | | |
| nil (< 0.01) | 1000 | - | - | 1000 | 765 | - | - |
| 00.01 - 00.20 | 999 | 1 | - | 1000 | 528 | 2 | 1 |
| 00.21 - 00.50 | 997 | 3 | - | 1000 | 4893 | 34 | 2 |
| 00.51 - 01.00 | 994 | 3 | 3 | 1000 | 15992 | 117 | 6 |
| 01.01 - 02.00 | 983 | 9 | 8 | 1000 | 42582 | 354 | 21 |
| 02.01 - 04.00 | 990 | 4 | 6 | 1000 | 66204 | 185 | 12 |
| 04.01 - 10.00 | 986 | 1 | 12 | 1000 | 63206 | 165 | 11 |
| 10.01 & above | 978 | 4 | 18 | 1000 | 19829 | 41 | 4 |
| all | 987 | 4 | 9 | 1000 | 213999 | 899 | 57 |
| Maharashtra | | | | | | | |
| nil (< 0.01) | 983 | - | 17 | 1000 | 174 | 4 | 1 |
| 00.01 - 00.20 | 967 | - | 33 | 1000 | 827 | 76 | 5 |
| 00.21 - 00.50 | 948 | 8 | 44 | 1000 | 3301 | 372 | 18 |
| 00.51 - 01.00 | 920 | 7 | 73 | 1000 | 10062 | 1058 | 53 |
| 01.01 - 02.00 | 920 | 2 | 79 | 1000 | 24077 | 1600 | 78 |
| 02.01 - 04.00 | 940 | 2 | 58 | 1000 | 30564 | 1065 | 50 |
| 04.01 - 10.00 | 920 | 8 | 72 | 1000 | 33809 | 878 | 40 |
| 10.01 & above | 797 | 34 | 170 | 1000 | 11154 | 245 | 11 |
| all | 914 | 8 | 78 | 1000 | 113969 | 5299 | 256 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (10.1): Per 1000 distribution of area under five major* crops by mode of harvesting for each size-class of ownership holding

| size-class of ownership holding (ha) | manual | owned machine | hired machine | all | estd. area under 5 major crops. (00 ha) | no. of hhs. using machine for harvesting | |
|--------------------------------------|--------|---------------|---------------|------|---|--|--------|
| | | | | | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Manipur | | | | | | | |
| nil (< 0.01) | 1000 | - | - | 1000 | 224 | - | - |
| 00.01 - 00.20 | 1000 | - | - | 1000 | 15 | 0 | 1 |
| 00.21 - 00.50 | 950 | 13 | 37 | 1000 | 159 | 32 | 12 |
| 00.51 - 01.00 | 994 | 1 | 5 | 1000 | 564 | 9 | 4 |
| 01.01 - 02.00 | 979 | 21 | - | 1000 | 414 | 9 | 3 |
| 02.01 - 04.00 | 1000 | - | - | 1000 | 164 | - | - |
| 04.01 - 10.00 | 1000 | - | - | 1000 | 28 | - | - |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 987 | 7 | 5 | 1000 | 1566 | 51 | 20 |
| Meghalaya | | | | | | | |
| nil (< 0.01) | 1000 | - | - | 1000 | 2 | - | - |
| 00.01 - 00.20 | 1000 | - | - | 1000 | 102 | 0 | 2 |
| 00.21 - 00.50 | 1000 | - | - | 1000 | 302 | - | - |
| 00.51 - 01.00 | 1000 | - | - | 1000 | 658 | - | - |
| 01.01 - 02.00 | 1000 | - | - | 1000 | 777 | - | - |
| 02.01 - 04.00 | 990 | 3 | 7 | 1000 | 938 | 6 | 2 |
| 04.01 - 10.00 | 1000 | - | - | 1000 | 391 | - | - |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 997 | 1 | 2 | 1000 | 3171 | 7 | 4 |
| Mizoram | | | | | | | |
| nil (< 0.01) | 1000 | - | - | 1000 | 74 | 3 | 1 |
| 00.01 - 00.20 | 994 | 6 | - | 1000 | 251 | 3 | 3 |
| 00.21 - 00.50 | 1000 | - | - | 1000 | 31 | - | - |
| 00.51 - 01.00 | 997 | 3 | - | 1000 | 48 | 4 | 2 |
| 01.01 - 02.00 | 1000 | - | - | 1000 | 72 | - | - |
| 02.01 - 04.00 | 1000 | - | - | 1000 | 25 | - | - |
| 04.01 - 10.00 | 1000 | - | - | 1000 | 7 | - | - |
| 10.01 & above | - | - | - | - | - | - | - |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | |
|-----|-----|---|---|------|-----|----|---|
| all | 997 | 3 | - | 1000 | 508 | 10 | 6 |
|-----|-----|---|---|------|-----|----|---|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (10.1): Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

| size-class of ownership holding (ha) | manual | owned machine | hired machine | all | estd. area under 5 major crops. (00 ha) | no. of hhs. using machine for harvesting | |
|--------------------------------------|--------|---------------|---------------|------|---|--|--------|
| | | | | | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Nagaland | | | | | | | |
| nil (< 0.01) | 1000 | - | - | 1000 | 26 | - | - |
| 00.01 - 00.20 | 1000 | - | - | 1000 | 3 | - | - |
| 00.21 - 00.50 | 1000 | - | - | 1000 | 10 | - | - |
| 00.51 - 01.00 | 1000 | - | - | 1000 | 62 | - | - |
| 01.01 - 02.00 | 999 | 1 | - | 1000 | 302 | 0 | 1 |
| 02.01 - 04.00 | 999 | 1 | - | 1000 | 813 | 2 | 3 |
| 04.01 - 10.00 | 993 | 7 | - | 1000 | 891 | 3 | 2 |
| 10.01 & above | 1000 | - | - | 1000 | 84 | - | - |
| all | 997 | 3 | - | 1000 | 2190 | 5 | 6 |
| Orissa | | | | | | | |
| nil (< 0.01) | 1000 | - | - | 1000 | 64 | - | - |
| 00.01 - 00.20 | 991 | 5 | 4 | 1000 | 1130 | 76 | 5 |
| 00.21 - 00.50 | 988 | 6 | 7 | 1000 | 4953 | 171 | 11 |
| 00.51 - 01.00 | 986 | 4 | 9 | 1000 | 8882 | 146 | 9 |
| 01.01 - 02.00 | 980 | 9 | 11 | 1000 | 10467 | 301 | 13 |
| 02.01 - 04.00 | 988 | 7 | 5 | 1000 | 7779 | 47 | 3 |
| 04.01 - 10.00 | 1000 | - | - | 1000 | 3596 | - | - |
| 10.01 & above | 1000 | - | - | 1000 | 1406 | - | - |
| all | 987 | 6 | 7 | 1000 | 38276 | 741 | 41 |
| Punjab | | | | | | | |
| nil (< 0.01) | 781 | - | 219 | 1000 | 257 | 15 | 2 |
| 00.01 - 00.20 | 1000 | - | - | 1000 | 234 | - | - |
| 00.21 - 00.50 | 918 | 14 | 67 | 1000 | 781 | 157 | 11 |
| 00.51 - 01.00 | 826 | 14 | 160 | 1000 | 2881 | 255 | 22 |
| 01.01 - 02.00 | 742 | 29 | 229 | 1000 | 8373 | 1103 | 97 |
| 02.01 - 04.00 | 608 | 48 | 344 | 1000 | 11713 | 1193 | 97 |
| 04.01 - 10.00 | 508 | 73 | 419 | 1000 | 16504 | 962 | 78 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | |
|---------------|-----|-----|-----|------|-------|------|-----|
| 10.01 & above | 436 | 105 | 459 | 1000 | 9200 | 311 | 27 |
| all | 586 | 61 | 354 | 1000 | 49942 | 3996 | 334 |

Table (10.1): Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

| size-class of ownership holding (ha) | manual | owned machine | hired machine | all | estd. area under 5 major crops. (00 ha) | no. of hhs. using machine for harvesting est.(00) | sample |
|--------------------------------------|--------|---------------|---------------|-----|---|---|--------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |

Rajasthan

| | | | | | | | |
|---------------|------|----|----|------|--------|-----|----|
| nil (< 0.01) | 1000 | - | - | 1000 | 985 | - | - |
| 00.01 - 00.20 | 965 | - | 35 | 1000 | 1461 | 20 | 1 |
| 00.21 - 00.50 | 997 | 3 | - | 1000 | 5472 | 25 | 2 |
| 00.51 - 01.00 | 997 | 3 | - | 1000 | 9512 | 46 | 2 |
| 01.01 - 02.00 | 984 | 5 | 11 | 1000 | 22182 | 187 | 8 |
| 02.01 - 04.00 | 996 | 2 | 2 | 1000 | 36728 | 76 | 3 |
| 04.01 - 10.00 | 969 | 10 | 21 | 1000 | 56934 | 246 | 12 |
| 10.01 & above | 962 | 15 | 23 | 1000 | 32144 | 53 | 4 |
| all | 978 | 8 | 14 | 1000 | 165418 | 653 | 32 |

Sikkim

| | | | | | | | |
|---------------|------|----|----|------|-----|---|---|
| nil (< 0.01) | 983 | 17 | - | 1000 | 32 | 1 | 1 |
| 00.01 - 00.20 | 1000 | - | - | 1000 | 22 | - | - |
| 00.21 - 00.50 | 994 | - | 6 | 1000 | 72 | 1 | 1 |
| 00.51 - 01.00 | 1000 | - | - | 1000 | 92 | - | - |
| 01.01 - 02.00 | 978 | 8 | 14 | 1000 | 114 | 2 | 2 |
| 02.01 - 04.00 | 1000 | - | - | 1000 | 89 | - | - |
| 04.01 - 10.00 | 1000 | - | - | 1000 | 13 | - | - |
| 10.01 & above | 1000 | - | - | 1000 | 4 | - | - |
| all | 992 | 3 | 5 | 1000 | 438 | 4 | 4 |

Tamil Nadu

| | | | | | | | |
|---------------|------|---|----|------|------|-----|----|
| nil (< 0.01) | 1000 | - | - | 1000 | 299 | - | - |
| 00.01 - 00.20 | 994 | - | 6 | 1000 | 690 | 19 | 1 |
| 00.21 - 00.50 | 973 | 3 | 24 | 1000 | 4450 | 226 | 13 |
| 00.51 - 01.00 | 966 | 5 | 29 | 1000 | 7714 | 331 | 19 |
| 01.01 - 02.00 | 986 | - | 14 | 1000 | 9283 | 117 | 6 |
| 02.01 - 04.00 | 962 | 8 | 29 | 1000 | 7008 | 113 | 5 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | |
|---------------|------|---|----|------|-------|-----|----|
| 04.01 - 10.00 | 1000 | - | - | 1000 | 4817 | - | - |
| 10.01 & above | 1000 | - | - | 1000 | 603 | - | - |
| all | 978 | 3 | 19 | 1000 | 34863 | 805 | 44 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (10.1): Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

| size-class of ownership holding (ha) | manual | owned machine | hired machine | all | estd. area under 5 major crops. (00 ha) | no. of hhs. using machine for harvesting | |
|--------------------------------------|--------|---------------|---------------|------|---|--|--------|
| | | | | | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Tripura | | | | | | | |
| nil (< 0.01) | 584 | 94 | 322 | 1000 | 15 | 18 | 3 |
| 00.01 - 00.20 | 940 | 39 | 21 | 1000 | 66 | 40 | 11 |
| 00.21 - 00.50 | 961 | 12 | 27 | 1000 | 323 | 42 | 9 |
| 00.51 - 01.00 | 897 | 51 | 52 | 1000 | 515 | 87 | 18 |
| 01.01 - 02.00 | 835 | 59 | 107 | 1000 | 318 | 44 | 9 |
| 02.01 - 04.00 | 453 | 498 | 49 | 1000 | 147 | 32 | 7 |
| 04.01 - 10.00 | 281 | 719 | - | 1000 | 32 | 3 | 1 |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 837 | 105 | 58 | 1000 | 1415 | 265 | 58 |
| Uttar Pradesh | | | | | | | |
| nil (< 0.01) | 1000 | - | - | 1000 | 942 | - | - |
| 00.01 - 00.20 | 986 | 12 | 2 | 1000 | 8230 | 505 | 25 |
| 00.21 - 00.50 | 994 | 4 | 2 | 1000 | 29992 | 528 | 25 |
| 00.51 - 01.00 | 988 | 9 | 3 | 1000 | 49080 | 751 | 36 |
| 01.01 - 02.00 | 987 | 8 | 6 | 1000 | 62695 | 657 | 27 |
| 02.01 - 04.00 | 985 | 10 | 5 | 1000 | 55575 | 394 | 16 |
| 04.01 - 10.00 | 981 | 12 | 8 | 1000 | 38392 | 212 | 11 |
| 10.01 & above | 975 | - | 25 | 1000 | 5587 | 25 | 1 |
| all | 986 | 9 | 5 | 1000 | 250492 | 3071 | 141 |
| West Bengal | | | | | | | |
| nil (< 0.01) | 694 | 80 | 226 | 1000 | 1795 | 490 | 15 |
| 00.01 - 00.20 | 973 | 3 | 23 | 1000 | 2917 | 433 | 25 |
| 00.21 - 00.50 | 950 | 8 | 42 | 1000 | 9347 | 841 | 37 |
| 00.51 - 01.00 | 957 | 3 | 40 | 1000 | 15448 | 653 | 27 |
| 01.01 - 02.00 | 956 | 11 | 32 | 1000 | 12485 | 321 | 15 |
| 02.01 - 04.00 | 939 | 46 | 16 | 1000 | 7423 | 184 | 9 |
| 04.01 - 10.00 | 801 | 199 | - | 1000 | 1293 | 32 | 1 |
| 10.01 & above | 884 | 116 | - | 1000 | 83 | 24 | 1 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

| | | | | | | | |
|-----|-----|----|----|------|-------|------|-----|
| all | 940 | 20 | 39 | 1000 | 50792 | 2977 | 130 |
|-----|-----|----|----|------|-------|------|-----|

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different “crops” for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (10.1): Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

| size-class of ownership holding (ha) | manual | owned machine | hired machine | all | estd. area under 5 major crops. (00 ha) | no. of hhs. using machine for harvesting | |
|--------------------------------------|--------|---------------|---------------|------|---|--|--------|
| | | | | | | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| A. & N. Islands | | | | | | | |
| nil (< 0.01) | 922 | 78 | - | 1000 | 39 | 2 | 1 |
| 00.01 - 00.20 | 1000 | - | - | 1000 | 0 | - | - |
| 00.21 - 00.50 | 1000 | - | - | 1000 | 2 | - | - |
| 00.51 - 01.00 | 1000 | - | - | 1000 | 9 | - | - |
| 01.01 - 02.00 | 1000 | - | - | 1000 | 22 | - | - |
| 02.01 - 04.00 | 1000 | - | - | 1000 | 48 | - | - |
| 04.01 - 10.00 | 1000 | - | - | 1000 | 17 | - | - |
| 10.01 & above | - | - | - | - | - | - | - |
| all | 978 | 22 | - | 1000 | 138 | 2 | 1 |
| India | | | | | | | |
| nil (< 0.01) | 931 | 22 | 48 | 1000 | 11503 | 700 | 36 |
| 00.01 - 00.20 | 983 | 7 | 10 | 1000 | 26575 | 2393 | 159 |
| 00.21 - 00.50 | 978 | 5 | 17 | 1000 | 100803 | 4760 | 276 |
| 00.51 - 01.00 | 971 | 7 | 22 | 1000 | 188584 | 5985 | 328 |
| 01.01 - 02.00 | 957 | 10 | 33 | 1000 | 304245 | 8384 | 451 |
| 02.01 - 04.00 | 952 | 9 | 39 | 1000 | 336368 | 6043 | 337 |
| 04.01 - 10.00 | 925 | 14 | 61 | 1000 | 323143 | 4774 | 262 |
| 10.01 & above | 853 | 31 | 116 | 1000 | 117611 | 1310 | 74 |
| all | 943 | 12 | 45 | 1000 | 1408832 | 34348 | 1923 |

*Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table (11): Number of households (H) reporting testing of soil of their fields per 1000 cultivator households and number of cultivator households (P) reporting having followed the recommendations per 1000 households reporting soil test

| states / UT | no. of cultivator hhs. owning land per 1000 hhs. | H | P | no. of cultivator households | |
|-------------------|---|-----|-----|---------------------------------|--------|
| | | | | est. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) |
| Andhra Pradesh | 985 | 61 | 36 | 52840 | 2496 |
| Arunachal Pradesh | 845 | 41 | - | 1321 | 602 |
| Assam | 978 | 34 | 26 | 24962 | 2259 |
| Bihar | 960 | 35 | 5 | 92660 | 4659 |
| Gujarat | 995 | 55 | 43 | 30981 | 1592 |
| Haryana | 991 | 55 | 46 | 11548 | 551 |
| Himachal Pradesh | 995 | 36 | 20 | 8825 | 1653 |
| Jammu & Kashmir | 998 | 12 | 4 | 7236 | 1535 |
| Karnataka | 998 | 42 | 29 | 44369 | 1953 |
| Kerala | 999 | 43 | 20 | 35908 | 2263 |
| Madhya Pradesh | 995 | 27 | 11 | 77270 | 4037 |
| Maharashtra | 997 | 36 | 10 | 58839 | 2753 |
| Manipur | 919 | 84 | 2 | 2140 | 747 |
| Meghalaya | 996 | 20 | 1 | 3103 | 920 |
| Mizoram | 833 | 18 | - | 624 | 500 |
| Nagaland | 980 | 66 | 4 | 807 | 828 |
| Orissa | 996 | 9 | 2 | 40365 | 2134 |
| Punjab | 995 | 46 | 24 | 10188 | 883 |
| Rajasthan | 994 | 30 | 14 | 49388 | 2686 |
| Sikkim | 898 | 14 | 2 | 586 | 678 |
| Tamil Nadu | 984 | 82 | 60 | 33985 | 1887 |
| Tripura | 980 | 36 | - | 2443 | 509 |
| Uttar Pradesh | 996 | 20 | 12 | 171515 | 7268 |
| West Bengal | 968 | 26 | 4 | 62076 | 2927 |
| A. & N. Islands | 715 | 284 | 245 | 113 | 102 |
| India | 987 | 34 | 17 | 825058 | 48649 |

Table (12): Number of cultivator households (H) reporting ownership of well / tubewell per 1000 cultivator households and number of households (P) reporting well / tubewell remaining unused for some time due to inadequacy of ground water per 1000 hhs. owning well/tubewell

| states / UT | no. of cultivator households per 1000 hhs. | H | P | no. of households | |
|-------------------|--|-----|-----|-------------------|--------|
| | | | | est. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) |
| Andhra Pradesh | 443 | 359 | 568 | 119333 | 5721 |
| Arunachal Pradesh | 813 | 71 | 56 | 1625 | 719 |
| Assam | 711 | 269 | 114 | 35114 | 3243 |
| Bihar | 618 | 214 | 105 | 150028 | 7464 |
| Gujarat | 569 | 419 | 326 | 54468 | 2939 |
| Haryana | 455 | 523 | 29 | 25388 | 1222 |
| Himachal Pradesh | 863 | 28 | 137 | 10226 | 1914 |
| Jammu & Kashmir | 915 | 50 | 265 | 7907 | 1719 |
| Karnataka | 637 | 225 | 324 | 69692 | 3152 |
| Kerala | 791 | 607 | 402 | 45411 | 2911 |
| Madhya Pradesh | 719 | 275 | 232 | 107483 | 5802 |
| Maharashtra | 529 | 339 | 548 | 111247 | 5359 |
| Manipur | 854 | 107 | 176 | 2505 | 873 |
| Meghalaya | 898 | 25 | - | 3457 | 1040 |
| Mizoram | 869 | - | - | 718 | 594 |
| Nagaland | 927 | 69 | 763 | 871 | 895 |
| Orissa | 636 | 76 | 282 | 63451 | 3401 |
| Punjab | 364 | 732 | 153 | 27971 | 2533 |
| Rajasthan | 792 | 501 | 183 | 62377 | 3501 |
| Sikkim | 690 | - | - | 849 | 936 |
| Tamil Nadu | 353 | 493 | 285 | 96319 | 5324 |
| Tripura | 436 | 194 | 181 | 5606 | 1216 |
| Uttar Pradesh | 746 | 232 | 106 | 230008 | 10003 |
| West Bengal | 562 | 189 | 86 | 110552 | 5312 |
| A. & N. Islands | 253 | 140 | 349 | 447 | 502 |
| India | 612 | 294 | 259 | 1348695 | 78990 |

Table (11): Number of households (H) reporting testing of soil of their fields per 1000 cultivator households and number of cultivator households (P) reporting having followed the recommendations per 1000 households reporting soil test

| states / UT | no. of cultivator hhs. owning land per 1000 hhs. | H | P | no. of cultivator households | |
|-------------------|---|-----|-----|---------------------------------|--------|
| | | | | est. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) |
| Andhra Pradesh | 985 | 61 | 36 | 52840 | 2496 |
| Arunachal Pradesh | 845 | 41 | - | 1321 | 602 |
| Assam | 978 | 34 | 26 | 24962 | 2259 |
| Bihar | 960 | 35 | 5 | 92660 | 4659 |
| Gujarat | 995 | 55 | 43 | 30981 | 1592 |
| Haryana | 991 | 55 | 46 | 11548 | 551 |
| Himachal Pradesh | 995 | 36 | 20 | 8825 | 1653 |
| Jammu & Kashmir | 998 | 12 | 4 | 7236 | 1535 |
| Karnataka | 998 | 42 | 29 | 44369 | 1953 |
| Kerala | 999 | 43 | 20 | 35908 | 2263 |
| Madhya Pradesh | 995 | 27 | 11 | 77270 | 4037 |
| Maharashtra | 997 | 36 | 10 | 58839 | 2753 |
| Manipur | 919 | 84 | 2 | 2140 | 747 |
| Meghalaya | 996 | 20 | 1 | 3103 | 920 |
| Mizoram | 833 | 18 | - | 624 | 500 |
| Nagaland | 980 | 66 | 4 | 807 | 828 |
| Orissa | 996 | 9 | 2 | 40365 | 2134 |
| Punjab | 995 | 46 | 24 | 10188 | 883 |
| Rajasthan | 994 | 30 | 14 | 49388 | 2686 |
| Sikkim | 898 | 14 | 2 | 586 | 678 |
| Tamil Nadu | 984 | 82 | 60 | 33985 | 1887 |
| Tripura | 980 | 36 | - | 2443 | 509 |
| Uttar Pradesh | 996 | 20 | 12 | 171515 | 7268 |
| West Bengal | 968 | 26 | 4 | 62076 | 2927 |
| A. & N. Islands | 715 | 284 | 245 | 113 | 102 |
| India | 987 | 34 | 17 | 825058 | 48649 |

Table (12): Number of cultivator households (H) reporting ownership of well / tubewell per 1000 cultivator households and number of households (P) reporting well / tubewell remaining unused for some time due to inadequacy of ground water per 1000 hhs. owning well/tubewell

| states / UT | no. of cultivator households per 1000 hhs. | H | P | no. of households | |
|-------------------|--|------------|------------|-------------------|--------------|
| | | | | est. (00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) |
| Andhra Pradesh | 443 | 359 | 568 | 119333 | 5721 |
| Arunachal Pradesh | 813 | 71 | 56 | 1625 | 719 |
| Assam | 711 | 269 | 114 | 35114 | 3243 |
| Bihar | 618 | 214 | 105 | 150028 | 7464 |
| Gujarat | 569 | 419 | 326 | 54468 | 2939 |
| Haryana | 455 | 523 | 29 | 25388 | 1222 |
| Himachal Pradesh | 863 | 28 | 137 | 10226 | 1914 |
| Jammu & Kashmir | 915 | 50 | 265 | 7907 | 1719 |
| Karnataka | 637 | 225 | 324 | 69692 | 3152 |
| Kerala | 791 | 607 | 402 | 45411 | 2911 |
| Madhya Pradesh | 719 | 275 | 232 | 107483 | 5802 |
| Maharashtra | 529 | 339 | 548 | 111247 | 5359 |
| Manipur | 854 | 107 | 176 | 2505 | 873 |
| Meghalaya | 898 | 25 | - | 3457 | 1040 |
| Mizoram | 869 | - | - | 718 | 594 |
| Nagaland | 927 | 69 | 763 | 871 | 895 |
| Orissa | 636 | 76 | 282 | 63451 | 3401 |
| Punjab | 364 | 732 | 153 | 27971 | 2533 |
| Rajasthan | 792 | 501 | 183 | 62377 | 3501 |
| Sikkim | 690 | - | - | 849 | 936 |
| Tamil Nadu | 353 | 493 | 285 | 96319 | 5324 |
| Tripura | 436 | 194 | 181 | 5606 | 1216 |
| Uttar Pradesh | 746 | 232 | 106 | 230008 | 10003 |
| West Bengal | 562 | 189 | 86 | 110552 | 5312 |
| A. & N. Islands | 253 | 140 | 349 | 447 | 502 |
| India | 612 | 294 | 259 | 1348695 | 78990 |

Table (13): Number of cultivator households (H) reporting ownership of irrigation pumps per 1000 cultivator households and number of households (P) reporting irrigation pumps remaining unused for some time due to unavailability of diesel or irregular supply of electricity per 1000 hhs. owning pumps

| states / UT | diesel pump | | electric pump | | no. of cultivator households | |
|-------------------|-------------|------------|---------------|------------|------------------------------|--------------|
| | H | P | H | P | est.(00) | sample |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| Andhra Pradesh | 58 | 159 | 302 | 714 | 52840 | 2496 |
| Arunachal Pradesh | 40 | - | 32 | - | 1321 | 602 |
| Assam | 26 | 210 | 5 | 110 | 24962 | 2259 |
| Bihar | 148 | 184 | 20 | 303 | 92660 | 4659 |
| Gujarat | 235 | 170 | 211 | 391 | 30981 | 1592 |
| Haryana | 283 | 27 | 298 | 304 | 11548 | 551 |
| Himachal Pradesh | 8 | 65 | 10 | 97 | 8825 | 1653 |
| Jammu & Kashmir | 8 | 50 | 13 | 368 | 7236 | 1535 |
| Karnataka | 23 | 48 | 193 | 529 | 44369 | 1953 |
| Kerala | 21 | 76 | 138 | 329 | 35908 | 2263 |
| Madhya Pradesh | 79 | 208 | 196 | 546 | 77270 | 4037 |
| Maharashtra | 38 | 265 | 287 | 544 | 58839 | 2753 |
| Manipur | 102 | 242 | 40 | 45 | 2140 | 747 |
| Meghalaya | 4 | - | 6 | 248 | 3103 | 920 |
| Mizoram | 7 | - | 1 | - | 624 | 500 |
| Nagaland | 9 | 323 | 1 | - | 807 | 828 |
| Orissa | 24 | 250 | 9 | 340 | 40365 | 2134 |
| Punjab | 381 | 68 | 510 | 309 | 10188 | 883 |
| Rajasthan | 244 | 113 | 204 | 525 | 49388 | 2686 |
| Sikkim | 7 | - | 1 | - | 586 | 678 |
| Tamil Nadu | 147 | 72 | 326 | 250 | 33985 | 1887 |
| Tripura | 44 | 73 | 18 | 199 | 2443 | 509 |
| Uttar Pradesh | 206 | 145 | 45 | 428 | 171515 | 7268 |
| West Bengal | 124 | 122 | 14 | 261 | 62076 | 2927 |
| A. & N. Islands | 67 | 582 | 36 | - | 113 | 102 |
| India | 126 | 143 | 132 | 482 | 825058 | 48649 |

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Appendix II

Note on Editing and Imputation

Appendix II

A Note on Editing and Imputation of Survey Data of the Enquiry on Cultivation Practices, NSS 54th Round

As in all large-scale sample surveys, response and non-response errors are present in the data of surveys conducted by the NSSO. Errors of other kinds, like coverage errors and data processing errors, which occur even in the best of surveys, are also common in NSSO survey data. Usually, certain measures are taken to eliminate or at least control these errors either at the data-collection phase or during data processing. This note gives a brief account of the steps taken to edit the errors during the processing of survey data of the enquiry on Cultivation Practices conducted in the 54th Round of the NSSO.

In the NSSO, the data collection and subsequent data processing are carried out in two separate divisions of the organisation. While the Field Operations Division (FOD) conducts the data collection through its field staff, the Data Processing Division (DPD) performs all the data processing operations. A field investigator of the FOD visits a sampled unit, interviews a person who is available for providing the necessary information, and records the responses in the schedule of enquiry meant for the survey. The essential information is invariably recorded in the numeric form - code numbers for categorical data, and values in prescribed units for quantitative data. After examination by the supervisory staff, completed schedules of enquiry are despatched to a centre of the DPD.

The completed schedules received by the DPD are first examined manually, particularly for coverage and documentation. At the same time, a pre-data-entry edit, aimed at eliminating gross errors and inconsistencies, is carried out on each schedule. The editing at this stage is generally based on a small set of rules, meant primarily for spotting and correcting the data not recorded in the prescribed unit or format. The schedules of enquiry, thus edited, are then sent for data entry on computers.

Like all large survey organisations, the NSSO has developed a computer-aided system of editing survey data. This is carried out in two phases. In the first phase, a series of edit checks embodied in a computer program are run on the data loaded on the computer to identify inconsistencies, i.e. logically impossible values in the data, suspect data or outlying values, and item nonresponse cases, i.e. essential items left blank in a (partly) filled-in schedule. This edit program, called Computer Scrutiny Program (CSP), produces a list of errors which is sent to the scrutiny sections for editing inconsistent data. The scrutinisers trace out the corresponding schedules, manually compare the computer-entered data with responses recorded in the schedules and make corrections on the error lists whenever required. The main data file in the computer is accordingly updated. Besides the CSP, often a special program consisting of a very limited number of checks

is run on the data to spot a “too high” or “too low” value of an item or ratio (implicit price, for example) of two items. The main data file is similarly updated for the resulting corrections.

Though the first phase of computer-aided editing is supposed to remove all data-entry errors, the inconsistencies, a few suspect large values and item nonresponses continue to persist in the data file. The second phase of computer-aided editing becomes necessary for removing these errors to the extent possible. This is a mechanical procedure that eliminates inconsistencies, corrects suspect values and generates imputed values for non-response items. Usually, the set of rules constituting the procedure of computerised editing are framed with a great deal of care after critical examination of a large volume of data.

I. Computerised Editing

The essential features of computerised editing for the present survey as well as the frequency of each type of error is discussed below in some detail. This will give a fair idea of the magnitude and direction of possible biases in the estimates presented in this report.

This report pertains to use of advanced technology in cultivation of field crops - based on data collected on crops cultivated, their season, area under each, use of irrigation and other inputs and use of machinery, in the 54th round of the NSS.

Data collected and used for this report can, therefore, be grouped as follows:

- A. On crops cultivated: crop-group code, season code, area sown with the crop.
- B. For each crop reported, use of machinery :
 - a) tractor/power tiller and whether services hired
 - b) electric pump, oil pump
 - c) how harvested - manually or using machines like harvesters, combiners.
- C. For each crop reported, use of inputs, viz.:
 - a) manure and its type
 - b) fertilizers
 - c) improved seeds and their types
 - d) irrigation and whether services hired
 - e) weedicide and pesticides etc.
- D. Household-level information:
 - a) land owned, possessed, net sown area area cropped more than once
 - b) whether soil tested and whether followed
 - c) irrigation facilities and machinery and whether some of them remain unused.

Editing and imputation involved for each of the items mentioned above are briefly discussed below:

A. On crops cultivated

From each sample household, information was collected on field crops cultivated by it during the agricultural year 1997-98. Collection of information about cultivation was restricted to the five most important crops, from the point of view of value of produce, reported by the household.

A variety of field crops are cultivated in India. To collect information on each of them separately would have required an elaborate code structure as the responses were recorded in pre-specified codes. The enquiry on Cultivation Practices being just a small part of the subject coverage of the 54th round, it was essential to make the recording of information as simple as possible. An elaborate code structure, it was felt, would have made the job of the investigators rather difficult, and thus would have produced more errors in recording the responses. With this object in view, individual crops were classified into 12 exhaustive groups with a distinct code for each.

In all, details for 122,565 crops were recorded in the schedules, based on the information provided by the 78,990 households in the entire sample. For each of the crops cultivated by a household (a maximum of five), the crop-group code, season code (*kharif* or *rabi*) and area cultivated in hectares were recorded in the schedule. The data on these items, on the whole, were found to be consistent. Only the inconsistencies relating to area under a crop could be a matter of concern.

1. *Crop-group code*: The frequency of blank or invalid entries for the crop-group code was negligible. Out of a total of 122,565 cases of crop-cultivation recorded, the crop-group code was found to be blank or inadmissible in only 247 (0.2%) cases. Since such a negligible proportion of invalid cases is not expected to have any perceptible effect on the final estimates, all such cases were put in the group 'other crops'.

2. *Season code*: For the season code, the number of invalid cases (i.e. cases with blank or inadmissible entries) was found to be only 587 (0.48%) out of a total of 122,565 cases of crop-cultivation recorded in the survey. For paddy, an invalid season code was edited as '*rabi*' when crop was reported to have been irrigated and as *kharif* in all other cases. For sugarcane, the season code was edited as *kharif* in all cases. For the rest of the crops, a sequential hot-deck method¹ within each State was used to impute the missing season code. As the agricultural practices tend to vary little within a small area, the season for the same crop cultivated by the nearest geographically located sample household would be the best proxy for the missing season code.

¹ This is one of the most commonly used computer-aided techniques for imputation of missing values. This involves a single pass through the data file, arranged in a suitable order. When a missing value is detected during the run, the value of the valid entry for the item found last (i.e. the nearest preceding value) is substituted for of the missing value. The procedure requires an initial value (or a cold-deck value) at the start for each imputation class. Here a State was taken as an imputation class and the data file was arranged according to the order of selection of both first-stage and second-stage units in the sample drawn systematically from same geographically arranged frame. An initial value of season code for each crop-group was determined on the basis of the most likely practice in the State.

3. *Area sown under a crop*: The data on area sown under a reported crop were examined for outliers prior to computer-aided editing, at which stage it was compared with net sown area and area sown more than once as reported by the household. The detectable outliers were examined in consultation with the figures actually recorded in the schedules and were edited if required. However, no editing of area sown under a crop was done at the stage of computer-aided editing. Instead, the inconsistency was removed by appropriate editing of the (household-level) entry against 'net sown area' or 'area sown more than once'. The types of inconsistency encountered are discussed under Section D.

B. Use of machinery

For each of the 5 most important crops reported by a household, a small set of questions on use of machinery for ploughing, harvesting and irrigation was put to the household. As mentioned earlier, the data file contains details of 122,565 cases of crop-cultivation by all the households in the sample. The information on use of machinery was found to be consistent for most of them. The number of inconsistent cases was well within acceptable limits.

1. *Use of tractor/power tiller*: Households reporting use of tractor/power tiller for a crop were asked whether the tractor/power tiller was hired. The frequency of inconsistent entries found for 'use of tractor/power tiller' & 'whether hired' was 984 (0.8%) out of 122,565 cases of crop-cultivation recorded. To remove these inconsistencies, the following procedure was adopted.

(i) In about one-fifth of the 984 cases, a specific crop was found with blank or inadmissible entry for use of tractor/power tiller but with a 'yes' code for hiring of the machine. In such cases, if the household was found to have used tractor/power tiller for cultivation of any of the other major crops reported, then the invalid code for 'use of tractor/power tiller' was replaced by the same code as that for the other crop reporting use of tractor, 'entirely' or 'partly'. But when no such record was available, the code for 'use of tractor/power tiller' was put as 'partly used'.

(ii) There were cases where 'use' entries were valid but corresponding entries for 'hiring of the machine' were inadmissible. Such inadmissible entries were edited on the basis of the information available on 'hiring of the machine' in the same household for cultivation of any other crop. When no such record was available, the code for 'use of tractor/tiller' was put as 'not used' and the entry for 'hiring of the machine' was made 'blank'.

(iii) In the cases where both 'use' and 'hiring of the machine' entries were found blank or inadmissible, the code for 'use of tractor/power tiller' was put as 'not used' and the entry for 'hiring of the machine' was made 'blank'.

2. *Use of electric/oil pumps*: Three different responses were permitted for these two items, viz. 'entirely used'-1, 'partly used'-2 and 'not used'-3. Blank or inadmissible entries were found in

320 (0.26%) cases for electric pump and 340 (0.28%) cases for oil pump in the entire data file consisting of details for 122,565 cases of crop-cultivation.

'Blank' cases were treated as electric/oil pump 'not used' for cultivation, since leaving the entry blank when the response is not in the affirmative is a common phenomenon. For the inadmissible entries, if the crop cultivated was reported as a *rabi* crop, the code for the item set to 'partly used', otherwise to 'not used'. It may be noted that cases of 'inadmissible' entries considerably fewer than 'blank' cases.

3. *How harvested*: For the item 'how crop was harvested' by the household, only 388 (0.32%) invalid (blank or inadmissible) entries were found among 122,565 cases of crop-cultivation recorded. All such cases were edited as 'harvested manually', which is still the most widely practised form of harvesting throughout the country.

C. On inputs used

For each of the five most important crops reported by a household, data on use of different inputs were collected. For the inputs 'improved seeds', 'fertilizer', 'manure' and 'pesticides', responses were classified as 'entirely used', 'partly used' and 'not used at all'. For the other three inputs, viz. 'irrigation', 'weedicide and pesticide', the responses classification was just 'yes'(used)/'no'(not used). For manure and improved seeds, a question on 'type' was also included.

1. *Manure and its type*: For the items 'use of manure' and 'type of manure', a total of 1,152 (0.94%) cases were found out of 122,565 cases of crop-cultivation recorded. Inconsistencies found were of the following types:

(i) Both 'use' and 'type' entries were blank. In such cases, since no supporting evidence was available on use of manure, the 'use' code was set to household 'not using' manure. (About one in six inconsistencies are of this type, as observed in the case of Madhya Pradesh)

(ii) Use of manure was recorded but 'type' entry was either blank or inadmissible. In such cases 'type' was set to 'other manures'. In about 10% of inconsistent cases of manure-using, the type was not recorded.

(iii) 'Use' entry was blank or inadmissible but 'type' information was recorded. In these cases, inconsistency was edited by using information on 'use of manure' for any other crop reported by the same household. In case no such information was available, 'use' code was set to 'not using' manure and the 'type' entry was made blank. In Madhya Pradesh no such inconsistency was found.

2. *Fertilizer*: Only 253 (0.21%) inadmissible entries were found for this item, where the code recorded was other than 'entirely used' or 'partly used' or 'not at all used'. (a) In the case of households reporting use of 'certified' or 'uncertified' improved seeds, inconsistent entries were

set to 'partly using fertilizer' in view of the dependence of the yield of such seeds on fertilizer input, and (b) in the case of other households, as 'not using fertilizer'

3. *Improved seeds and type of improved seeds*: For the items 'use' of improved seeds' and 'type of improved seeds', a total of 712 (0.58%) cases were found out of 122,565 cases of crop-cultivation recorded. Inconsistencies found were of the following types:

(i) Both 'use' and 'type' entries were blank. In such cases, since no supporting evidence was available on use of improved seeds, the 'use' code was set to 'not using such seeds'.

(ii) Use of improved seeds was recorded but the corresponding 'type' code was either blank or inadmissible. In such cases, the 'type' code was set to 'other type of seeds'.

(iii) 'Use' entry was blank or inadmissible but information was recorded on the type of such seeds used by the household. In these cases, the inconsistency was edited by using information on 'use' for any other crop reported of the same household. In case no such information was available, the 'use' code was set to 'not using' improved seeds and the 'type' entry was made blank.

4. *Whether irrigated*: Out of a total of 122,565 cases of crop-cultivation recorded, in 3694 (3.01%) cases inconsistencies were observed, where the households reported use of oil/electric pump for the crop but the code for irrigation recorded was either 'no' or blank. As use of pump itself strongly indicates that the crop was irrigated, the inconsistent codes were set to household 'irrigating cultivation field'. The largest number of such inconsistencies was found for the State of Bihar, with 646 such inadmissible cases out of a total 12520 cases of crop-cultivation.

5. *Whether irrigation services hired*: Households reporting use of irrigation were asked whether irrigation services were hired by them. (a) In case of other households, no information on hiring of irrigation services was to be recorded. But 420 (0.34%) cases were found, out of 122,565 cases of crop-cultivation recorded, where the crop was not reported to have been irrigated but information was recorded on irrigation services hired by the household for the crop. Here the obvious correction, viz. making the entry for 'whether irrigation services hired' blank, was made in all such cases.

(b) Apart from the inconsistency mentioned in (a), there were other inconsistencies due to invalid (blank or inadmissible) entries for 'hiring of irrigation services' where irrigation had been reported by the household. Such inconsistencies in 'hiring of irrigation services' were edited by using the following information:

(i) In case 'owning of pump set' was recorded for the household, the code for 'irrigation services hired' was set to 'not hiring irrigation services'.

(ii) In case 'not owning pump set' was recorded for the household, code for 'irrigation services hired' was set to household 'hiring irrigation services'.

In all 3373 (2.75%) cases were found where these types of inconsistency occurred.

6. *Whether weedicide/ pesticide, etc., used:* For the items 'weedicide/pesticide used for the crop', responses were to be recorded in codes for just 'yes' and 'no'. Not many invalid entries were observed for these items. In all 445 (0.36%) and 448 (0.37%) cases were found for the items 'weedicide used' and 'pesticide used', respectively, where the entries were either blank or inadmissible. For both the items such inconsistent code was set to household 'not using weedicide/pesticide', since no other information was available from the data set to support use of 'weedicide/pesticide'.

D. Household-level inputs

Out of 78,990 households surveyed, 78,539 reported one or more of the following items, and no information was available on any of the items for 451 households.

1. *Net area sown and area sown more than once:* For 236 (0.30%) households, the net area sown was less than the largest area sown by the household with individual crop. In such cases, the net area sown was edited as the maximum of area sown by the household under five individual crops by the household. These apart, discrepancies were found in the data of 'net area sown' & 'area sown more than once' when compared with total of 'area reported sown' under five major crops. In all 3042 (3.85%) cases were found where the sum of 'net area sown' and 'area sown more than once' was less than the 'total of area reported sown under five major crops'. In such cases, the area sown more than once was edited as the difference between the total area sown under five major crops and the net area sown. The largest number of such inconsistencies (508) was observed in Bihar in a sample of 7457 households.

2. *Whether soil tested and whether recommendations followed:* For the items (a) whether soil for cultivation was got tested by the household and (b) in case of households reporting soil testing, whether the recommendations of the laboratory carrying out the tests was followed by the household, quite a large number of inconsistencies. Out of 78,539 households, 14761 (19%) households were found where responses recorded for both the items were blank or inadmissible. The largest number of such cases was observed in Andhra Pradesh (2846 cases out of 5714 households), followed by Maharashtra (1562 out of 5328 households), West Bengal (1551 out of 5019 households), and Bihar with 1317 invalid entries out of 7457 households. In all these inconsistent cases, the code for 'soil testing done' was set to 'no soil testing done' and that for 'recommendations followed' was made blank.

Besides these 14761 households, there were 604 households, where information on 'whether soil tested' was missing but information on 'whether recommendations followed' was recorded. For such cases the code for 'soil testing for cultivation' was set to 'soil testing for cultivation was done' by the household.

3. *Equipment used for irrigation*: The following three sets of questions were put to the household:

- (i) (a) whether well/tubewell owned by the household and (b) whether the well/tubewell remained unused for some time;
- (ii) (a) whether diesel pump owned by the household and (b) whether the pump remained unused for some time;
- (iii) (a) whether electric pump owned by the household and (b) whether the pump remained unused for sometime.

1. For all the three pairs of questions, a large number of errors were of the type where both (a) and (b) were left blank or were inadmissible. Since no evidence supporting ownership of well, etc., was available in the data set, such cases were edited as (a) household 'not owning' and the (b) entry made blank

- In case of (i), 14762 (19%) such errors were found, the largest number being in Andhra Pradesh (2841).
- In case of (ii), 14838 (20%) such errors were found, the largest number being in Andhra Pradesh (2861) followed by West Bengal (1537).
- In case of (iii), 14894 (19%) errors were found, again the largest number being in Andhra Pradesh (2864) followed by West Bengal (1528).

2. A second type of inconsistency arose when information on (b) was recorded but information on (a) was missing. Such cases were edited as (a) household 'owning' since otherwise the information on (b) would not make sense.

- In case of (i), in all 707 inconsistent entries were observed.
- In case of (ii), in all 516 inconsistent entries were observed.
- In case of (iii), in all 237 inconsistent entries were observed.

II. Unit nonresponse

Out of 5242 sample villages proposed to be surveyed, 5115 villages could be surveyed; 127 villages could not be surveyed for various reasons and no substitute villages could be surveyed for them either. Such unsurveyed villages were considered to be casualty villages. There were cases where the originally selected unit could not be surveyed but a similar unit was surveyed in lieu of it. All such units are called as substitute units. Apart from the casualty villages there were certain casualty households as well in the non-casualty villages. All such nonreponse cases were taken care of in our estimation procedure by making appropriate adjustments in the weights for generating estimates. Essential information relating to unit nonresponse are given in the table below.

| Nonresponse type | Frequency |
|------------------|-----------|
| casualty village | 127 |

| | |
|--|-----|
| substitute village | 22 |
| casualty household | 71 |
| no. of household schedules | Nil |
| <u>rejected owing to inconsistency</u> | |

Appendix III

Facsimile of Schedule 31

(Blocks 0, 1, 2, 13 & 14)

| | | |
|-------|---|---|
| RURAL | 1 | * |
| URBAN | 1 | |

GOVERNMENT OF INDIA
 NATIONAL SAMPLE SURVEY ORGANISATION
 SOCIO-ECONOMIC SURVEY
 FIFTY-FOURTH ROUND: JANUARY-JUNE-1998

| | | |
|----------|---|---|
| CENTRIAL | 1 | * |
| STATE | 2 | |

SCHEDULE 31: COMMON PROPERTY RESOURCES , SANITATION & HYGIENE, SERVICES

| | | | |
|---|--|-----------------------|--|
| (0) descriptive identification of sample household. | | | |
| state/ u.t. | | ward /Inv. unit/block | |
| district | | | |
| tehsil/town | | house number | |
| village name | | name of head | |

*tick mark () may be put in the appropriate place

| (1) identification of sample household. | | | | | |
|--|-----------------------------|------|---------|--|------|
| sl. no | descriptions | code | sl. no. | description | code |
| 1. | round number | 54 | 12. | sl.no.of sample vill./block | |
| 2. | schedule number | 31 | | | |
| 3. | sample (central-1, state-2) | | 13. | second stage stratum | |
| 4. | sector (rural-1, urban-2) | | 14. | sample household no. | |
| 5. | FOD sub-region | | 15. | Sl.no. of informant (as in block 4) | |
| 6. | state region | | | Name..... | |
| 7. | district code | | 16. | response code | |
| 8. | stratum no | | 17. | survey code | |
| 9. | sub-stratum | | 18. | reason for substitutionof original household | |
| 10. | sub-sample | | | | |
| 11. | sub-round | | | | |
| Codes | | | | | |
| item 16 : response code informant co-operative and capable-1, informant co-operative but not capable,-2, informant reluctant-3, others-9. | | | | | |
| item 17 : survey code original household surveyed-1, substitute household surveyed-2 nothing surveyed -3. | | | | | |
| item 18 : reason for substitution of original household informant not available -1, unwilling -2, others-9. | | | | | |

| (2) Particulars of field operation | | | | | | | | | | | | | |
|------------------------------------|---|--------------|--|---|--|--------------------------|--|---|--|----------------|--|---|--|
| sl. no. | particulars | Investigator | | | | Assistant Superintendent | | | | Superintendent | | | |
| (1) | (2) | (3) | | | | (4) | | | | (5) | | | |
| 1. | (I) Name | | | | | | | | | | | | |
| | (ii) code | | | | | | | | | | | | |
| 2. | total time taken to canvass the schedule (in hours 0.0) | | | | | | | x | | | | x | |
| 3. | (I) date of receipt | | | | | | | | | | | | |
| | (ii) date of survey/inspection | | | x | | | | | | | | | |
| | (iii) date of scrutiny | | | x | | | | | | | | | |
| | (iv) date of duplication (v) date of despatch | | | | | | | x | | | | x | |
| 4. | no. of additional sheets/ schedules attached. | | | | | | | x | | | | x | |
| 5. | signature | | | | | | | | | | | | |

| (3) Household characteristics | | | | | | | | | | | | |
|-------------------------------|-----------------------|--|--|----|-------------|------------------------------------|--|--|--|--|--|--|
| 1. | size | | | | | principal industry-occupation code | | | | | | |
| 2. | household type (code) | | | 4. | description | industry | | | | | | |
| 3. | social group (code) | | | 5. | | occupation | | | | | | |
| | | | | | | | | | | | | |

CODE

item-2 household type :Rural
 Rural-self-employed in non-
 agriculture-1
 agriculture labour-2,
 other labour-3.
 self employed in agriculture-4
 other-9

Urban: selfemployed-1, regular
 wage/salaried -2
 casual-3, other-9.

item 3 social group :
 schedule tribe-1, schedule caste-2, other
 Backward caste-3,
 item 4&5 principal industry occupation codes these are 3
 digits codes of as in NIC-1987 and NCO-1968
 respectively

| | |
|---|--|
| (13) Some general information on cultivation by the household | |
| 1. Land owned (0.00 ha) (i) with right of sale (ii) without right of sale (iii) total | |
| 2. Land possessed (0.00 ha) | |
| 3. Net area sown during 1997-98 (0.00 ha) | |
| 4. Area sown more than once (0.00 ha) | |
| 5. Whether soil of cultivation fields ever tested ? (yes-1, no-2) | |
| 6. If 'yes'(code 1) in item 5, whether recommendations followed ? (yes -1 no-2) | |
| 7. Does the household own well or tubewell ? (yes-1, no-2) | |
| If 'yes' (code 1) in item 7, fill in item 8&9 with code: yes-1, no-2 | |
| 8. Whether dug well remains unused during some months due to lack of groundwater | |
| 9. Whether tubewell remains unused sometimes due to lack of groundwater | |
| 10. Are there any surface water irrigation sources which can be used only in some seasons due to lack of water supply ? (yes-1,no-2) | |
| 11. does the household own any diesel pump for irrigation? (yes -1, no-2) | |
| 12. If yes (code 1 in item 11) does the diesel pump remain unused some times due to unavailability of oil (yes -1, no-2) | |
| 13. does the household own any electric pump for irrigation? (Yes -1, no-2) | |
| 14. If "yes" (code-1, in item 13) does the electric pump remained unused some times due to irregular supply of electricity? (yes-1, no-2) | |

| | | | | | |
|------|---|----|---------------|---|-----|
| (14) | Some particulars of cultivation during 1997-98 (five major crops) | | | | |
| 1. | Serial no. | 1 | 2 | 3 | 4 5 |
| 2. | Crop-group (code) | | | | |
| 3. | Season (Khrif-1, Rabi-2) | | | | |
| 4. | Area sown (Hectare 0.00) | | | | |
| 5. | Whether the following used for cultivation of the crop? (entirely-1, partly-2, not at all 3) | | | | |
| 5.1 | tractor/power tiller | | | | |
| 5.2 | electric pump | | | | |
| 5.3 | oil pump | | | | |
| 5.4 | manure | | | | |
| 5.5 | fertilizers | | | | |
| 5.6 | improved seeds | | | | |
| 6. | If '1' or '2' in item 5.6 type of seeds (certified...1, uncertified....2, home grown....3, other...4) | | | | |
| 7. | If '1' or '2' in item 5.4 type of manure (compost...1, bio-gas slurry...2, other manures...3) | | | | |
| 8. | If '1' or '2' in item 5.1 whether hired ? (yes...1, no..2) | | | | |
| 9. | Whether irrigated ? (yes..1, no..2) | | | | |
| 10. | If '1' in item 9, whether irrigation services hired from other households (yes,1, no..2) | | | | |
| 11. | Whether weedicide used (yes..1, no..2) | | | | |
| 12. | Whether pesticide insecticide, fungicide etc, used? (yes..1, no..2) | | | | |
| 13. | How harvested (manually...1, owned machine...2, hired machine..3) | | | | |
| | | | | | |
| | (crop-group Code) | | | | |
| | paddy | 1 | wheat | | 2 |
| | other cereals | 3 | pulses | | 4 |
| | oil seeds | 5 | mixed crop | | 6 |
| | sugar cane | 7 | vegetables | | 8 |
| | fodder | 9 | fruits & nuts | | 10 |
| | other cash crops | 11 | others | | 99 |