

*Report No. 499(59/33/2)*

Situation Assessment Survey of Farmers

# Access to Modern Technology for Farming

NSS 59<sup>th</sup> Round  
(January–December 2003)



National Sample Survey Organisation  
Ministry of Statistics and Programme Implementation  
Government of India

June 2005

# Preface

India has a large agrarian economy with most of its rural population subsisting on farming. Over the decades since independence, Government has made concerted efforts to improve the lot of the farmers. As the country entered the new millennium, the Union Ministry of Agriculture desired that a comprehensive socio-economic study of the Indian farmers covering educational level, level of living, farming practices, possession of productive assets, awareness and access to modern technology, resource availability, indebtedness and a host of other relevant issues be studied through a special survey. Subsequently, the National Sample Survey Organisation (NSSO) took up the special study on Indian farmers and conducted the Situation Assessment Survey of Farmers during 2003 in the rural areas as part of the NSS 59<sup>th</sup> round.

Data for the survey were collected from 51770 households spread over 6638 villages from across the country in the Central Sample. A farmer for this survey was identified as a person who possessed some land and performed agricultural activities on any part of that land during the 365 days preceding the date of survey. A farmer household was termed as a household in which there was at least one farmer. Agricultural activities included cultivation of field and horticultural crops, growing of trees or plantations such as rubber, tea etc and animal husbandry, fishery, sericulture etc.

This report is the second in the series of five reports to be brought out on the basis of the data collected through the survey. It deals with accessing of information on modern technology related to farming through different sources. It also reports on the perception of the farmer households on the quality of information received as well as their suggestions for improvement of such extension services.

Chapters One, Two and Three give respectively the introduction to the survey, details of the concepts and definitions used in the survey and the main findings of the survey. The detailed tables at the State/UT and All-India level are given in Appendix A, while the sample design and the estimation procedure are given in Appendix B. Facsimile of the schedule used for data collection is given in Appendix C.

All the technical work including development of sampling design, survey instruments and preparation of the report was undertaken by the Survey Design and Research Division of the NSSO. The fieldwork was handled by the Field Operations Division and the data processing and table generation by the Data Processing Division. The Coordination and Publication Division was responsible for the over-all coordination. The Chairman and Members of the Governing Council of NSSO along with the Chairman and Members of the Working Group set up for this round provided the technical directions and guidance at every stage of the survey. I am grateful to all of them. I am also thankful to the respondents who furnished information to the field staff. The report I hope will be useful to the planners, policy makers and researchers. Comments and suggestions are most welcome.

New Delhi  
June 2005

Dr. S Ray  
Director General & Chief Executive Officer  
National Sample Survey Organisation

# Highlights

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## Access to Modern Technology for Farming, 2003

- At all-India level, 40% of farmer households accessed various sources of information for Modern Technology for Farming.
  - At all-India level, of the sixteen different sources canvassed for accessing information for Modern Technology for Farming, the most popular was ‘other progressive farmers’ with percentage of farmer households accessing information through the source as 16.7%, followed by input dealer (13.1%) and radio (13.0%).
  - Percentage of farmer households accessing information through ‘other progressive farmers’ was highest in Andhra Pradesh (34%), followed by Gujarat (30%) and West Bengal (25%).
  - Percentage of farmer households accessing information through ‘input dealers’ was highest in West Bengal (36%), followed by Andhra Pradesh (30%) and Gujarat (24%).
  - Percentage of farmer households accessing information through ‘radio’ was highest in Jammu & Kashmir (36%), followed by Kerala (31%) and Assam (29%).
  - The two most popular sources, namely ‘other progressive farmers’ and ‘input dealer’ were contacted by the farmer households mainly on ‘need basis’ or ‘seasonally’.
  - Among the farmer households accessing information for cultivation from ‘other progressive farmers’, 40% received information on ‘improved seed variety’, 31% on ‘fertiliser application’, 15% on ‘plant protection’ and 14% on ‘others’.
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# Chapter One

## Introduction

1.0 Background: To assess the well-being of farmer households, study their access to various resources, and judge the impact of technological change on Indian farming, the Ministry of Agriculture decided that a Situation Assessment Survey(SAS) of farmers should be conducted at the beginning of the third millennium. The survey was accordingly carried out in 2003 by the National Sample Survey Organisation (NSSO), Ministry of Statistics and Programme Implementation.

1.1 The information collected in SAS by NSSO in its 59<sup>th</sup> Round through an integrated schedule covered income, assets, indebtedness and consumption of farmer households; access to resources, farming practices and behaviour; and access to modern agricultural technology.

1.2 Modern agricultural technology has vast potential for increase in productivity of agriculture. This makes it a subject of great interest to policy makers. The present report attempts to study the behavior of farmer households in obtaining information on modern technology for farming.

1.3 The survey covered rural areas of practically the whole of the Indian Union. The reference period of collection of data was January to December, 2003. A total of 51770 households spread over 6638 sample villages were interviewed.

1.4. Data presented in this report: This report presents basic results on access to modern technology for farming by farmer households at State and all-India level. It gives firstly, the proportions of households accessing various sources of information on modern agricultural technology, such as training programmes, krishi vigyan kendra, extension workers, input dealers, other progressive farmers, radio, television, and so on. Further, for each source of information, it gives the break-up of households by frequency of contact with the source of information, and the nature and quality of information obtained. Estimates are given separately for each state and Union Territory and for rural India as a whole

1.5. For the purpose of this survey, a farmer was defined as a person who possessed some land and was engaged in agricultural activities on any part of that land during the last 365 days. A household which contained at least one farmer was called a farmer household.

1.6. Contents in brief: The next Chapter explains the concepts and definitions used in the survey while Chapter Three presents a summary of the survey findings. Appendix A gives the detailed tables on which the report is based. The sample design and estimation procedure followed in the survey is explained in Appendix B and a facsimile of the schedule of enquiry is given in Appendix C.

## Chapter Two

### Concepts and Definitions

Before the discussion on Survey Results on the Access to Modern Technology for Farming, the concepts and definitions of different terms used in the Situation Assessment Survey of Farmers (SAS) are given below:

2.1 Household: A group of persons normally living together and taking food from a common kitchen constitutes a household. By "normally" it is meant that temporary visitors are excluded while 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 resident domestic servant or paying guest (but not just a tenant in the house) is included in the employer's/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. For example, a person taking food with his family but sleeping elsewhere (say, in a shop or a different house) due to space shortage or otherwise, the household formed by such a person's family members is taken to include the person also. Each inmate of a mess, hotel, boarding and lodging house, hostel, etc. is considered as a single-member household except that a family living in such an establishment is considered as one household only. However, under-trial prisoners in jails, indoor patients in hospitals and nursing homes, floating population without any normal residence, foreign nationals and their domestic servants, persons in barracks of military and paramilitary forces, and members in an orphanage or rescue home or ashram or vagrant house are excluded at the time of listing of households.

2.2 Household size: The size of a household is the total number of persons in the household.

2.3 Farmer: For the purpose of this survey, a farmer is defined as "a person who operates some land and is engaged in agricultural activities during the last 365 days". By agricultural activities, it is meant the cultivation of field crops and horticultural crops, growing of trees or plantations (such as rubber, cashew, coconut, pepper, coffee, tea, etc.), animal husbandry, poultry, fishery, bee-keeping, vermiculture, sericulture, etc.

Thus, a person qualifies as a farmer if

- (i) he possesses some land (i.e. land, either owned or leased in or otherwise possessed), and
- (ii) he is engaged in some agricultural activities on that land during the last 365 days.

It may be noted that persons engaged in agricultural and/or allied activities but not operating a piece of land are not considered as farmers. Similarly, agricultural labourers, coastal fishermen, rural artisans and persons engaged in agricultural services are not considered as farmers.

It is also quite possible that during the reference period of last 365 days, a person could have left his entire land as 'current fallow' by discretion or due to natural situation or otherwise. Such farmers are also excluded from the coverage of the present Situation Assessment Survey.

2.4 Farmer Household: A household having at least one farmer as its member will be regarded as a farmer household in the context of the present survey.

2.5 Krishi Vigyan Kendra (KVK): These are the centres set up by the State Agricultural Universities, Indian Council of Agricultural Research, and Agricultural Research Institutes of the State Governments. Sometimes there may be Farmers' Training Centers set up by the State Governments. The KVKs organise trainings, demonstrations and on-the-farm practices on various aspects of modern technology for farming. These institutions work as information-cum-service centres to the farmers for the new technologies coming in the market. It also supplies certain inputs to the farmers so as to enable them to adopt the technology without any difficulty. Besides these, various agro-clinical services like analysis of soil, water, leaf and petiole for effective utilisation of nutrients, and disease and pest control are provided by the KVKs.

2.6 Extension worker: Extension worker would mean an employee of the government in the Department of Agriculture/Horticulture/Animal Husbandry/Forestry/Soil conservation or Agricultural Universities or ICAR Institutes who provide necessary information and guidance to the farmers. Para-technicians/para-veterinarians visiting from government departments are also classified as extension workers .

2.7 Radio / Television: Sources like radio or television supply information to the farmers regarding weather, farming practices to be followed in different seasons, methods of farming of different crops, technological developments on farming etc. through different programmes on a regular basis. It may be mentioned that both radio and television include private as well as government channels.

2.8 Newspaper: Newspapers supply information on different aspects of farming regularly. Special columns or pages are provided for the purpose. Newspapers include all types of print media including pages devoted to discussion and printing of articles on agriculture. They include daily newspapers, agricultural magazines, bulletins and leaflets published periodically.

2.9 Village fair: Village fair includes the fairs sponsored by government or private agencies as well as the normal religious and cultural fairs in an area. Exhibitions on a variety of agricultural items are included in this category. This source also includes Kisan Mela or a Stall set up by government/private agency in a religious/cultural fair visited by farmers regularly.

2.10 Government demonstration: Government demonstration refers to demonstrations/exhibitions on farming by any government agency, e.g. State Government, ICAR or Government of India.

2.11 Input dealer: Input dealer includes all the individuals or agencies dealing in seeds, fertilizers, pesticides, machinery etc, whether wholesale or retail. These dealers sometimes, supply information about the use of a particular technology to the farmers, mainly for the sake of sale of their commodities.

2.12 Other progressive farmers: Other progressive farmers include different farmers' organizations or associations, whether registered or not. Many associations of growers of a particular farm produce such as grape, mango, onion, litchi, guava, etc. exist in different regions and they often serve as important sources of information to the farmers.

**2.13 Farmers' study tour:** The farmers' study tour includes all types of educational tours arranged by some agency. It may be sponsored by a government or a private agency. Sometimes, farmers themselves bear the cost of a study tour to see agricultural practices followed in some developed area within the State or outside the State.

2.14 Para-technician/private agency/NGO: These include private sources/agencies providing information and services to the farmers. The government para-technicians are to be classified as 'extension workers'. Agri-clinics and extension centres set up by private entrepreneurs are considered to belong to this category.

2.15 Output buyers/food processors: Output buyers/food processors include all those agencies or individuals who advise the farmers to cultivate a particular variety of crop with the opinion to buy those products. These agencies may also provide information on cultivation practices to be followed for growing of that particular crop.

2.16 Others: Others include friends, relatives, neighbours, etc. who are knowledgeable of modern technologies for farming. Similarly, internet services, documentary films, video shows etc. may be considered as Others.

2.17 Reference period: Different reference periods were followed in collecting information on different aspects of farming and the condition of farmers: 'as on date of survey', 'last 30 days', 'last 365 days', 'kharif season', 'rabi season', etc. For information related to access to modern technology, the reference period was 'during the last 365 days'.

Statement A shows, state-wise, the number of villages allotted for survey and the numbers actually surveyed, and the number of sample farmer households in which Schedule 33 was canvassed along with number of sample persons. It may be noted that 93 sample villages falling in disturbed areas – 77 in Jammu & Kashmir and 16 in Assam – could not be surveyed. Apart from this, 29 villages – 8 in Tamil Nadu, 2 in Arunachal Pradesh and 19 in the Andaman & Nicobar Islands – became casualties as they could not be surveyed within the deadline set for the visit one.

Statement A: Number of villages allotted and surveyed and number of farmer households and persons surveyed.

State/UT	no. of villages		no. of sample farmer households	no. of sample persons
	allotted	surveyed		
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	432	432	3396	15382
Arunachal Pradesh	68	66	502	2580
Assam	296	280	2187	12211
Bihar	504	504	3970	24206
Chhattisgarh	140	140	1087	6124
Delhi	12	12	22	127
Goa	12	12	91	434
Gujarat	172	172	1330	7565
Haryana	120	120	928	5617
Himachal Pradesh	148	148	1154	6027
Jammu & Kashmir	196	119	917	5787
Jharkhand	180	180	1405	7943
Karnataka	256	256	2009	11286
Kerala	300	300	2232	10720
Madhya Pradesh	312	312	2455	14482
Maharashtra	424	424	3312	17794
Manipur	124	124	986	5425
Meghalaya	92	92	724	3779
Mizoram	68	68	501	2592
Nagaland	48	48	384	1828
Orissa	244	244	1938	10045
Punjab	164	164	1279	7467
Rajasthan	336	336	2596	15985
Sikkim	72	72	552	3025
Tamil Nadu	412	404	3189	13870
Tripura	128	128	1022	4952
Uttar Pradesh	852	852	6748	42772
Uttaranchal	56	56	412	2231
West Bengal	504	504	3958	21556
A & N Islands	36	17	90	477
Chandigarh	8	8	52	309
Dadra & N. Haveli	16	16	128	714
Daman & Diu	8	8	55	317
Lakshadweep	8	8	64	449
Pondicherry	12	12	95	425
All-India	6760	6638	51770	286503



## Chapter Three

### Summary of findings

The objective of the Situation Assessment Survey (SAS) of Farmers was to assess the state of the farming community of the country. The present report brings out various facets of the subject: 'Access to Modern Technology for Farming'. It covered three aspects of access: access to source of information, effectiveness of the source in terms of adoption and subjective assessment of the source in terms of quality. The sources themselves can be divided according to (a) whether it is multi-purpose or specialised one and (b) whether it involves one-way or two-way interactions. Thus, Radio, TV and Newspaper are multi-purpose, one-way communication sources; Village fairs are two-way but multi-purpose sources; Participation in training, Krishi Vigyan Kendra, Government demonstration and Farmers' study tours again provide specialised two-way interactive sources while Extension worker and Para-technician/ private agency /NGO provide two-way, specialised and farmer-specific services. So are Input dealers, Other progressive farmers, Credit agencies, Primary cooperative societies and Output buyers/food processors. The main results are shown under Tables 1 to 6 in Appendix A. Table 1 shows distribution of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact. Whereas Table 2 shows distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source, Table 3 and Table 4 provide same distribution for the farming categories of 'animal husbandry' and 'fishery' respectively. Again, Table 5 shows distribution of farmer households reporting quality of information received among households accessing each type of source, whereas Table 6 provides the distribution of farmer households reporting suggestion for improvement of extension services in each type of source.

Since estimates based on very small samples may not be reliable, it was decided to release State-level estimates only if the total number of sample farmer households for the State was at least 300. As a consequence, for the appendix tables 1 to 6, separate figures for the states of Delhi and Goa could not be brought out. From similar considerations figures for all the UT's have been clubbed and shown under the head 'Group of UT's'. It may be noted that data from all the States and UT's have been used in building up All-India estimates. Further, appendix tables 3 and 4 which were related to farm activities, namely 'Animal Husbandry' and 'Fishery' had less number of sample farmer households due to less incidence rate. To get minimum reliable data, those tables with sample number of farmer households being less than five for any activity under any state have also been dropped. The report has further, been supplemented by a number of statements. The statements show the results of the survey at summary levels for eighteen major states. Now, the report takes up the subjects in the order given below:

- Relative importance of different sources of information
- Frequency of contact with the sources of information
- Information on cultivation received through different sources such as i) Radio, ii) Input dealer and iii) Other progressive farmers
- Information on animal husbandry received through different sources
- Information on fishery received through different sources
- Quality of information received from different sources
- Trial and adoption of practices recommended by different sources
- Suggestion for improvement in extension services

### 3.1. Relative importance of different sources of information:

A list of sixteen sources of information was provided to the surveyed farmer households: *participation in training, krishi vigyan kendra, extension worker, television, radio, newspaper, village fair, Government demonstration, input dealer, other progressive farmers, farmers' study tour, para-technician/ private agency/ NGO, primary cooperative society, output buyers/ food processor, credit agency* and "other sources". Farmers were asked to identify which, if any, of the sources they had accessed during the last 365 days to obtain information on modern agricultural technology. Statement 1 gives proportions of farmer households in India accessing different sources of information for this purpose. The overall picture is not very promising. Nearly 60% farmer households (see last row of Statement 1) had not accessed any source of information on modern technology during the last 365 days. There were only three sources which were accessed by more than 10% farmer households: "other progressive farmers" (16.7%), "input dealer" (13.1%) and "radio" (13.0%). Television served as a source of information on modern agricultural technology to 9.3% households and newspapers to 7.0%. Whereas 5.7% households had received information from extension workers, 3.6% received information from primary cooperative societies. Output buyers/ food processors, village fairs, government demonstrations, and credit agencies each served as a source of information to about 2% of farmer households.

Statement 1: Percentages of farmer households accessing modern agricultural technology

source	% of hhs	source	% of hhs
participation in training	0.9	other progressive farmers	16.7
krishi vigyan kendra	0.7	farmers' study tour	0.2
extension worker	5.7	para-technician/ private agency/NGO	0.6
television	9.3	primary cooperative society	3.6
radio	13.0	output buyers/ food processor	2.3
newspaper	7.0	credit agency	1.8
village fair	2.0	others	1.7
Government demonstration	2.0	any source	40.4
input dealer	13.1		

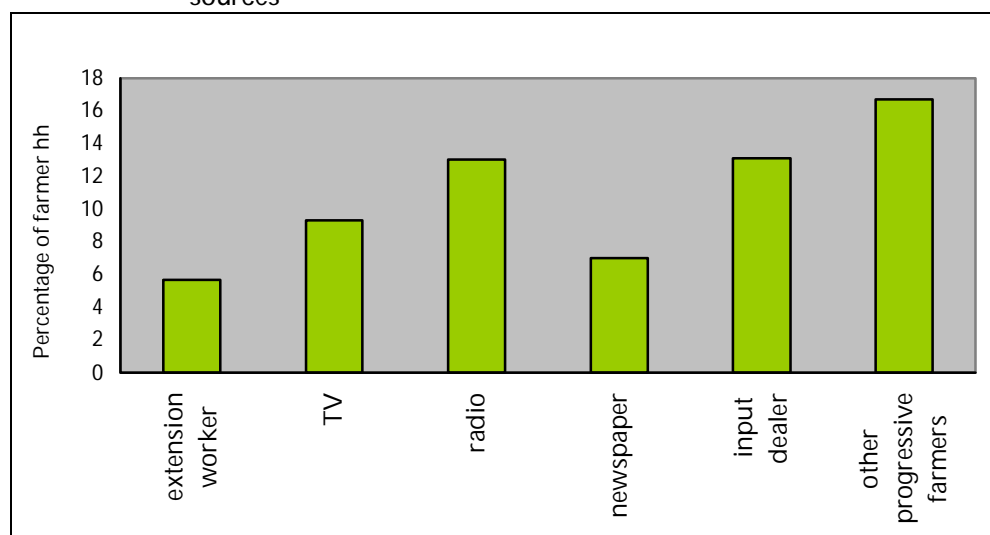
Inter-state variation in the proportion of farmer households accessing information on modern technology for farming through the six dominant sources can be seen in Statement 2.

Statement 2: Per thousand number of farmer households accessing information on modern agricultural technology through different sources by states

state/UT	extension worker	TV	radio	newspaper	input dealer	other progressive farmers	any source
Andhra Pradesh	90	119	39	64	301	341	627
Assam	59	93	289	102	80	159	461
Bihar	4	34	173	57	124	100	324
Chhattisgarh	155	42	35	16	2	33	250
Gujarat	219	104	62	68	243	300	552
Haryana	25	90	112	80	95	169	370
Jammu & Kashmir	30	300	363	19	13	7	480
Jharkhand	0	23	154	47	31	87	284
Karnataka	115	119	142	98	155	114	443
Kerala	38	226	306	378	28	130	580
Madhya Pradesh	90	66	84	34	102	191	414
Maharashtra	76	209	126	146	171	170	462
Orissa	63	61	60	39	82	70	256
Punjab	14	165	54	81	36	43	267
Rajasthan	14	21	28	21	56	53	147
Tamil Nadu	133	196	163	143	94	210	500
Uttar Pradesh	11	65	150	40	83	189	336
West Bengal	41	66	208	56	356	247	609
India	57	93	130	70	131	167	404

During 2003, at all-India level, about 40% of farmer households accessed information on modern agricultural technology from one or more sources. Among the sources, 'other progressive farmers', 'input dealer', 'radio', and 'TV' were the ones most commonly used. A sizable proportion of farmers in the states of Andhra Pradesh, Gujarat and West Bengal relied on 'other progressive farmers'. The percentages were 34%, 30% and 25% respectively. These were also the three states where the source 'input dealer' was most frequently used. 36% farmer households in West Bengal, 30% in Andhra Pradesh and 24% in Gujarat reported accessing this source. The source 'radio' was availed of mostly by the farmers of J&K, Kerala and Assam. Nearly 36% farmers of J&K, 31% of Kerala and 29% of Assam relied on the 'radio'. Television was mainly accessed by the farmers of J&K (30%), Kerala (23%) and Maharashtra (21%). Newspapers were used most by farmers of Kerala (38%), followed by Maharashtra(15%) and Tamil Nadu (14%). The 'extension worker' served as source of information for an applicable proportion of the farmers of Gujarat (22%), Chhattisgarh (16%) and Tamil Nadu (13%). Fig 1 shows the percentage of households accessing information through selected sources at all-India level.

Fig 1. Percentage of farmer households accessing information through selected sources



### 3.2. Frequency of contact with the sources of information:

Statement 3 below shows the distribution of farmer households accessing information on modern agricultural technology by frequency of contact with the sources. In collecting information, the frequency of contact was categorised as daily, weekly, monthly, seasonal, need-based and casual.

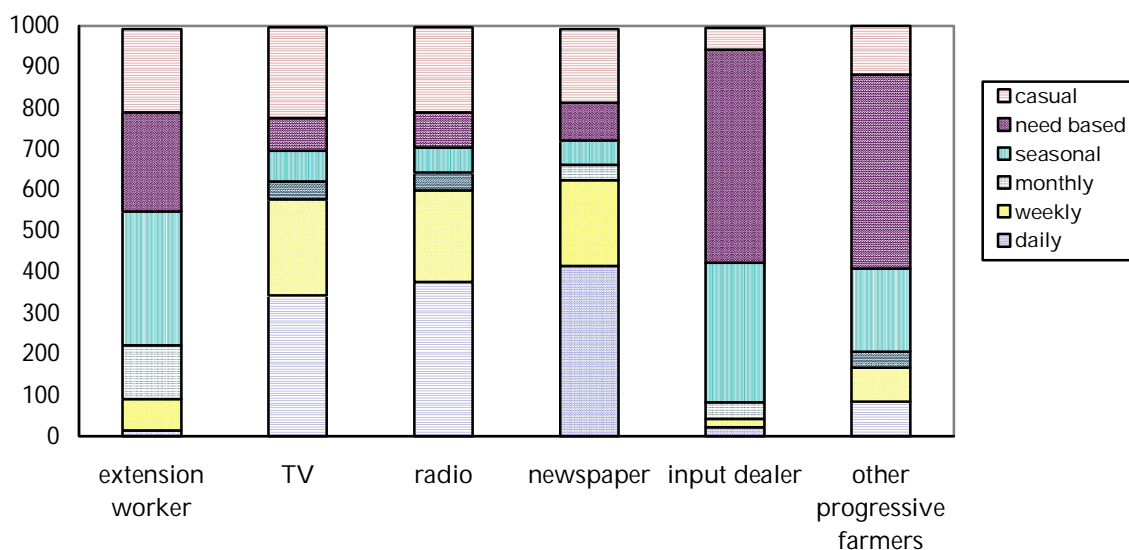
Statement 3: Per thousand distribution of farmer households accessing information on modern agricultural technology by frequency of contact, separately for six selected sources of information

Source	no. per 1000 of households reporting access	frequency of contact							
		daily	weekly	monthly	seasonal	need based	casual	n.r	all
extension worker	57	15	76	131	325	242	203	8	1000
newspaper	70	416	208	37	59	93	179	7	1000
TV	93	343	234	44	74	79	223	4	1000
radio	130	376	223	43	62	85	207	4	1000
input dealer	131	23	20	40	341	518	53	4	1000
other progressive farmers	167	84	84	38	203	472	118	1	1000

Among the six major sources used by farmers to obtain information on modern agricultural technology, 'extension workers' were contacted mainly 'seasonally' or at 'need-

based' intervals. For the three other sources, namely, newspaper, TV and radio, a 'daily' periodicity of access was most frequent, followed by 'weekly'. The most popular sources, namely 'other progressive farmers' and 'input dealer' were contacted by the farmer households mainly on 'need based' situation or 'seasonal' basis. The distribution of farmer households accessing selected sources by frequency of contact is shown in Fig 2 below.

Fig 2: Per 1000 distribution of households accessing selected sources over frequency of contact



### 3.3. Information on cultivation received through different sources:

#### 3.3.1 Source: Radio

The radio plays a vital role in disseminating information on cultivation techniques. The different kinds of information on cultivation received by farmers through radio included improved seed/variety, fertilizer application, plant protection, etc. Statement 4.1 below gives the distribution of households availing themselves of information on cultivation through the radio.

At all-India level, 13% of the farmer households obtained information on modern agricultural technology from the radio. Of them, 94% received information on cultivation. Among such farmers 45% received information on 'improved seed/ variety', 29% on 'fertilizer application', 16% on 'plant protection' and 10% on other aspects. Among the major states, use of the radio to obtain such information was most common among farmer households of Jammu & Kashmir, Kerala, Assam and West Bengal. Bihar, Tamil Nadu, Jharkhand, UP and Karnataka were the other major states where proportion of farmers receiving information from the radio was higher than the all-India average.

Statement 4.1. Percentage of farmer households obtaining information on cultivation through radio and distribution of such households by type of information received on 'cultivation' through radio for different states and India

State/UT	% of hhs accessing radio	% of such hhs receiving information on cultivation	per 1000 number of such households getting information through radio on cultivation technique				
			improved seed/ variety	fertilizer application	plant protection	other aspects	all
J & K	36.3	92	259	406	295	41	1000
Kerala	30.6	90	260	338	213	189	1000
Assam	28.9	95	391	421	80	108	1000
West Bengal	20.8	96	383	340	184	93	1000
Bihar	17.3	95	464	287	102	147	1000
Tamil Nadu	16.3	93	320	329	238	114	1000
Jharkhand	15.4	95	450	291	126	133	1000
Uttar Pr.	15.0	94	601	219	142	37	1000
Karnataka	14.2	96	459	281	142	119	1000
Maharashtra	12.6	97	426	264	150	160	1000
Haryana	11.2	95	595	132	125	149	1000
Madhya Pr.	8.4	96	544	279	115	63	1000
Gujarat	6.2	98	421	340	54	186	1000
Orissa	6.0	96	363	273	259	105	1000
Punjab	5.4	78	338	522	40	100	1000
Andhra Pradesh	3.9	98	218	344	361	78	1000
Chhattisgarh	3.5	100	528	302	105	65	1000
Rajasthan	2.8	91	478	223	117	182	1000
India	13.0	94	445	293	158	103	1000

Among farmers using the radio to obtain information on cultivation, those seeking information on 'improved seed/ variety' constituted 60% in UP, 59% in Haryana, 54% in Madhya Pradesh, 53% in Chhattisgarh, 48% in Rajasthan, 46% in Bihar, 46% in Karnataka and 45% in Jharkhand. States where farmers used the radio for cultivation-related information, showing more interest in 'fertilizer application' included Punjab (52%), followed by Assam (42%), J&K (41%), Kerala, West Bengal, Andhra Pradesh, Gujarat (each having 34%) and Tamil Nadu (33%).

3.3.2 Source: Input dealer: An individual or agency dealing in different agricultural inputs such as seeds, fertiliser, manure, pesticides, etc is termed as input dealer. Statement 4.2 shows distribution of households availing of information on various sources of cultivation through input dealers. About 13% of farmer households accessed information on modern technology for farming through input dealers only and of these 98% farmer households received information on cultivation such as improved seed/ variety, fertiliser application, plant protection etc. States where input dealers played a bigger role included West Bengal, Andhra Pradesh, Gujarat, Maharashtra and Karnataka.

At all-India level, among the farmer households who accessed information from input dealers, 41% received information on 'fertiliser application', 39% on 'improved seed/ variety', 14% on 'plant protection' and 6% on 'other aspects'

Among farmers who obtained cultivation-related information from input dealers, those interested in techniques of ‘fertilizer application’ constituted 52% in West Bengal, 46% in Gujarat, 42% in Andhra Pradesh, 27% in Karnataka and 26% in Maharashtra. Those interested in ‘improved seed/ variety’ formed 63% in Maharashtra, 52% in Karnataka, 48% in Gujarat, 29% in Andhra Pradesh, 27% in West Bengal. Those who received information on ‘plant protection’ formed 24% in Andhra Pradesh and 17% in West Bengal.

Statement 4.2: Percentage of farmer households obtaining information on cultivation through Input dealer and distribution of such households by type of information received on ‘cultivation’ through Input dealer for different states and India

State/U.T	% of hhs accessing input dealer	% of such hhs obtaining information on cultivation	per thousand number of such households getting information from input dealer on				
			improved seed/ variety	fertilizer application	plant protection	other aspects	all
West Bengal	35.6	99	269	518	165	46	1000
Andhra Pr.	30.1	97	285	421	235	60	1000
Gujarat	24.3	99	480	458	45	17	1000
Maharashtra	17.1	100	632	258	94	17	1000
Karnataka	15.5	100	518	269	33	180	1000
Bihar	12.4	99	287	531	123	60	1000
Madhya Pr.	10.2	100	552	270	177	2	1000
Haryana	9.5	100	513	303	184	0	1000
Tamil Nadu	9.4	95	258	423	149	170	1000
Uttar Pr.	8.3	96	481	329	149	42	1000
Orissa	8.2	100	40	871	89	0	1000
Assam	8.0	96	119	484	64	334	1000
Rajasthan	5.6	100	796	92	41	70	1000
Punjab	3.6	93	366	473	98	63	1000
Jharkhand	3.1	95	169	530	175	126	1000
Kerala	2.8	87	303	292	134	272	1000
J & K	1.3	100	737	263	0	0	1000
Chhattisgarh	0.2	100	0	0	303	697	1000
India	13.1	98	391	412	139	57	1000

### 3.3.3 Source: Other progressive farmer

Apart from individual farmers, this includes different farmers’ organisations or associations, whether registered or not. There are associations of growers of particular crop or farm produce, who serve farmers with important information on improvement of that crop or product. Statement 4.3 shows distribution of households availing of information on various sources of cultivation through ‘other progressive farmers’. At all-India level, about 17% of farmer households accessed information on modern technology for farming through ‘other progressive farmers’. Of them, 94% farmer households received information for improvement of cultivation. Major states where ‘other progressive farmers’ played an important role were Andhra Pradesh, Gujarat and West Bengal followed by Tamil Nadu,

Madhya Pradesh and Uttar Pradesh. Among the farmer households who accessed information on cultivation from ‘other progressive farmers’ at all-India level, 40% received information on ‘improved seed/ variety’, 31% on ‘fertiliser application’, 15% on ‘plant protection’ and 14% on ‘other aspects’. Among farmers obtaining cultivation-related information from ‘other progressive farmers, those seeking information on ‘improved seed / variety’ constituted 53% in Uttar Pradesh, 50% in Madhya Pradesh, 35% in Gujarat, 34% in West Bengal and 27% in Andhra Pradesh. Those interested predominantly in techniques of ‘fertiliser application’ numbered 39% in Andhra Pradesh, 37% in Tamil Nadu, 33% in West Bengal, 32% in Gujarat and 29% in Madhya Pradesh. Those interested in ‘plant protection’ formed 23 % in West Bengal, 22% in each of the states of Gujarat and Andhra Pradesh, and 21% in Tamil Nadu.

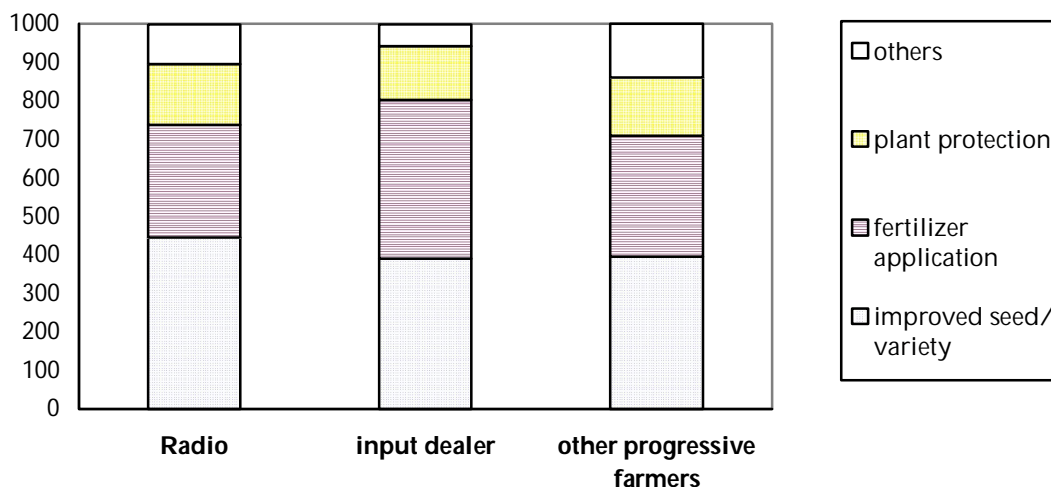
Statement 4.3: Percentage of farmer households obtaining information on cultivation through other Progressive farmer and distribution of such households by type of information received on ‘cultivation’ through other Progressive farmer for different states and India

State/U.T	% of hhs accessing other progressive farmers	% of such hhs obtaining information on cultivation	per thousand number of such households getting information from other progressive farmers on				
			improved seed/ variety	fertilizer application	plant protection	others	all
Andhra Pr.	34.1	95	265	389	219	128	1000
Gujarat	30.0	94	347	322	220	112	1000
West Bengal	24.7	98	335	334	232	99	1000
Tamil Nadu	21.0	83	188	371	209	233	1000
Madhya Pr.	19.1	99	500	294	133	73	1000
Uttar Pr.	18.9	93	525	282	93	101	1000
Maharashtra	17.0	95	508	244	89	161	1000
Haryana	16.9	96	595	261	61	83	1000
Assam	15.9	95	357	241	183	219	1000
Kerala	13.0	81	284	134	272	310	1000
Karnataka	11.4	97	300	345	131	224	1000
Bihar	10.0	96	188	498	116	198	1000
Jharkhand	8.7	93	272	552	46	129	1000
Orissa	7.0	100	230	205	45	520	1000
Rajasthan	5.3	83	630	192	46	131	1000
Punjab	4.3	96	689	58	182	70	1000
Chhattisgarh	3.3	100	353	354	281	12	1000
J & K	0.7	91	0	552	448	0	1000
India	16.7	94	396	313	151	140	1000



Fig 3 shows per thousand distribution of households by type of information received on cultivation.

**Fig 3. Per thousand distribution of households by type of information on cultivation**



### 3.3.4 Source: any source

Statement 4.4 shows distribution of households availing of information on cultivation through any source. By any source it is meant that the household availed of at least one of the sixteen different sources. It may be noted that a household may avail two or more different types of information from two or more different sources. About 40.4% of farmer households at all-India level availed information from at least one source and out of them 96% had information on cultivation. Among the states, about 63% of farmer households from Andhra Pradesh, 61% from West Bengal, and 58% from Kerala availed of at least one source of information. Again, out of all farmer households availing information on cultivation, 60% had information on improved seed/variety, 49% on fertilizer application and 24% on plant protection at the all-India level. Among the states, the higher share of farmer households interested in improved seed/variety were in Maharashtra (80%) and Rajasthan (79%). The corresponding shares in fertilizer application were West Bengal and Gujarat (both 61%) and in plant protection were Kerala (41%), followed by Andhra Pradesh (34%).

The number per 1000 households receiving information from any source have been provided in each of the appendix tables 2, 3 and 4. It may be noted that the sum total of the number of households shown in the individual columns may exceed 1000, shown against the column 'all'; because, same household may be reported against two or more columns receiving information from different sources. Similarly, the sum total of the estimated or sample number of households may exceed the figures shown under the column 'all'. This is also true for the last two columns in each of the tables 2 to 4.

Statement 4.4: Percentages of households obtaining information on cultivation from any source among farmer households receiving information on cultivation from any source, for different states and India

State/U.T	% of hhs accessing any source	% of such hhs obtaining information on cultivation	per thousand number of such households getting information from any source on		
			improved seed/ variety	fertilizer application	plant protection
Andhra Pr.	62.7	97	436	549	340
West Bengal	60.9	97	480	614	308
Kerala	58.0	92	382	486	411
Gujarat	55.2	93	712	606	282
Tamil Nadu	50.0	92	509	570	312
J & K	48.0	95	421	459	289
Maharashtra	46.2	98	800	462	233
Assam	46.1	97	493	515	194
Karnataka	44.3	97	707	450	188
Madhya Pr.	41.4	99	713	417	179
Haryana	37.0	91	760	333	259
Uttar Pr.	33.6	96	720	421	185
Bihar	32.4	97	451	588	172
Jharkhand	28.4	96	430	524	169
Punjab	26.7	86	732	338	168
Orissa	25.6	96	406	570	187
Chhattisgarh	25.0	98	528	521	154
Rajasthan	14.7	97	787	223	96
India	40.4	96	596	494	240

### 3.4. Information on Animal Husbandry received through different sources:

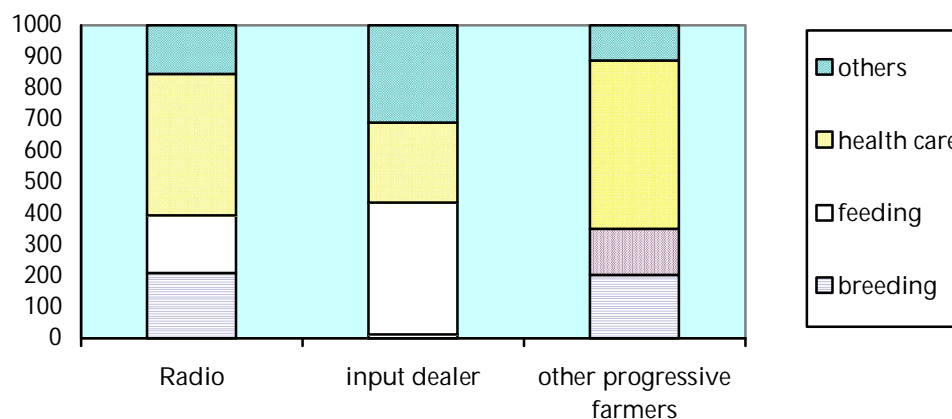
Information received on animal husbandry were mainly on breeding, feeding, health care etc and the prominent sources were 'radio', 'input dealer' and 'other progressive farmers'.

The statement 5 shows percentage of farmer households obtaining information on animal husbandry through selected sources and distribution of such households by type of information received on animal husbandry. The percentages of households obtaining information on animal husbandry was very small (less than 6%), compared to that of cultivation. For the households, accessing information on animal husbandry through the radio and the other progressive farmers, health care was the major concern of interest. For the households, accessing information on animal husbandry through any source out of a total of sixteen sources also, health care was the major concern of interest. However, for the households obtaining information through input dealer, interest was more in feeding. Fig 4 presents per 1000 distribution of farmer households accessing information on animal husbandry through selected sources.

Statement 5: Percentage of farmer households obtaining information on animal husbandry through selected sources and distribution of such households by type of information received on animal husbandry

source	% of hhs accessing source	% of such hhs obtaining information on animal husbandry	per thousand number of farmer households getting information				
			breed- ing	feeding	health care	others	all
radio	13.0	3.0	209	183	452	156	1000
input dealer	13.1	0.8	12	421	256	311	1000
other progressive farmer	16.7	4.7	202	147	538	113	1000
any source	40.4	5.1	244	181	520	200	1000

Fig 4. Distribution of households by type of information accessed on animal husbandry



### 3.5. Information on Fishery received through different sources:

Information received on fishery was mainly on seed production, harvesting, management and marketing etc and the major sources were 'radio', 'input dealer' and 'other progressive farmers'.

The statement 6 shows percentage of farmer households obtaining information on fishery through selected sources and distribution of such households by type of information received on fishery. It reveals that the percentages of households obtaining information on fishery was not more than 3% for each of the major source of information.

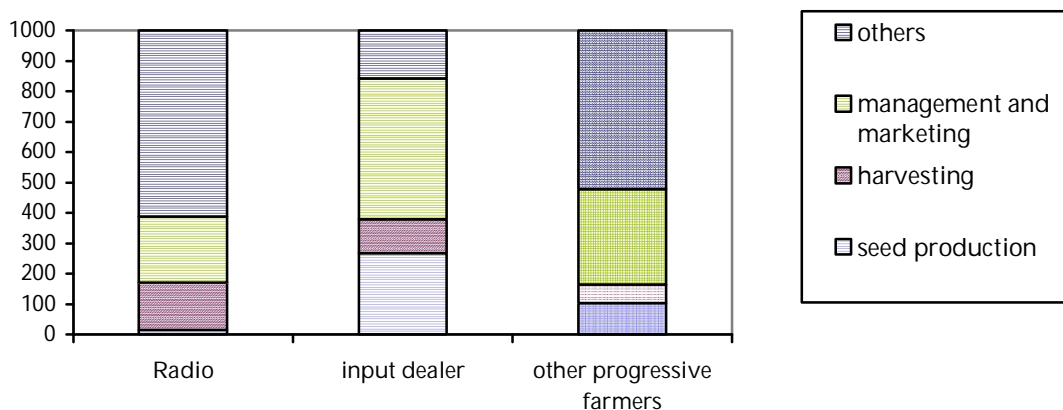
However, the farmer households which obtained information on fishery were more interested in receiving information on 'management and marketing' for all the major sources, specially, the input dealer which accounted for 47% of farmer households. For the technique of seed production, 27% farmer households approached the input dealers. For information received from any source, 'management and marketing' was an area where farmers were

interested. Fig 5 shows the distribution of households at all-India level by type of information accessed for fishery through major sources.

Statement 6: Percentage of farmer households obtaining information on fishery through some selected sources and distribution of such households by type of information received on fishery

source	% of hhs accessing source	% of such hhs obtaining information on fishery	per thousand number of farmer households getting information				
			seed production	harvesting	management and marketing	others	all
radio	13.0	1.7	15	156	217	612	1000
input dealer	13.1	0.6	268	111	465	156	1000
other progressive farmers	16.7	0.9	105	60	314	522	1000
any source	40.4	2.8	83	75	340	550	1000

Fig 5. Per thousand distribution of households by type of information accessed on fishery.



Inter state differences in pattern of farm land use: The farm land used for cultivation is maximum (99%) in both kharif and rabi seasons. This is the reason why cultivation accounts for high percentage (more than 95%) of accessing information through any of the available sources whereas it ranges from 0.5 to 0.7% for the farming activity of Animal husbandry and 0.2% to 0.3% for the case of fishery.

Statement 7: Percentage of farm land used for cultivation, Animal Husbandry and Fishery during kharif and rabi seasons and percentage of farmer households

State	percentage of farm land used for						% of farmer hhs
	cultivation		Animal husbandry		fishery		
	kharif	rabi	kharif	rabi	kharif	rabi	
Andhra Pr.	98.82	97.5	0.34	0.64	0.84	1.86	42
Assam	99.34	98.81	0.25	0.45	0.41	0.74	60
Bihar	99.37	99.34	0.62	0.65	0.01	0.01	61
Chhattisgarh	99.53	99.20	0.14	0.12	0.33	0.68	76
Gujarat	99.78	99.66	0.22	0.34	0.00	0.00	60
Haryana	99.28	99.22	0.72	0.78	0.00	0.00	62
J & K	97.87	98.50	2.13	1.50	0.00	0.00	91
Jharkhand	99.52	99.63	0.47	0.34	0.01	0.03	77
Karnataka	99.89	98.64	0.11	1.36	0.00	0.00	58
Kerala	98.96	98.99	0.97	0.99	0.07	0.02	44
Madhya Pr.	99.50	99.53	0.46	0.44	0.04	0.03	67
Maharashtra	99.71	99.69	0.29	0.31	0.00	0.00	56
Orissa	99.86	99.57	0.09	0.2	0.05	0.23	64
Punjab	99.04	99.05	0.96	0.95	0.00	0.00	62
Rajasthan	99.16	98.87	0.84	1.13	0.00	0.00	76
Tamil Nadu	99.32	98.84	0.68	1.16	0.00	0.00	35
Uttar Pr.	99.20	99.12	0.71	0.8	0.09	0.08	77
West Bengal	97.14	96.72	0.30	0.46	2.56	2.82	57
India	99.31	99.03	0.49	0.7	0.20	0.27	61

### 3.6. Quality of information received from different sources:

Evaluation of the quality of information received through different sources of information is quite important. The quality was broadly classified into three categories: good, satisfactory and poor. At all-India level, more than 50% of farmer households which accessed the source, reported the quality of information received from the sources such as extension worker, TV, radio, newspaper, input dealer and other progressive farmers as good. Inter-state and inter source variation was reported to be negligible. Statement 8 presents per thousand number of households reporting quality information received by different sources. This proportion was based on the households accessing the sources only.

Statement 8: Per thousand number of households reporting good quality information received on modern agricultural technology through different sources

State/UT	per thousand no. of households reporting quality of information received as good					
	extension worker	TV	radio	newspaper	input dealer	other progressive farmers
Andhra Pradesh	458	604	446	538	570	549
Assam	305	401	364	478	284	248
Bihar	104	454	530	478	592	594
Chhattisgarh	386	635	828	528	0	525
Gujarat	603	737	592	564	734	664
Haryana	598	595	654	608	541	604
J & K	180	446	366	498	84	521
Jharkhand	1000	310	469	362	206	145
Karnataka	480	647	546	543	531	536
Kerala	510	606	621	623	706	577
Madhya Pradesh	421	662	625	574	519	346
Maharashtra	483	578	542	531	453	561
Orissa	573	484	462	438	260	244
Punjab	516	678	634	705	448	855
Rajasthan	708	636	587	710	420	425
Tamil Nadu	787	692	688	640	707	685
Uttar Pradesh	359	552	636	544	529	586
West Bengal	450	521	460	568	367	412
India	511	590	555	559	505	528

### 3.7. Trial and adoption of practices recommended by different sources:

Statement 9 presents per thousand number of farmer households trying recommended practice on modern agricultural technology for selected sources of information whereas statement 10 presents per thousand number of farmer households adopting recommended practice on modern agricultural technology for selected sources of information. Adoption of recommended practice means that recommended practice is followed by the farmer on his field after having been convinced about the gains of the technology. This might happen with or without trial.

Statement 9: Per thousand number of farmer households trying recommended practice on modern agricultural technology through different sources by states

State/UT	no. per 1000 of households reporting trial of recommended practice on some modern agricultural technology by source of information					
	extension worker	TV	radio	newspaper	input dealer	other progressive farmers
Andhra Pradesh	648	549	494	475	761	681
Assam	632	564	659	648	727	794
Bihar	35	511	609	488	849	907
Chhattisgarh	503	408	326	639	303	659
Gujarat	855	695	608	728	932	927
Haryana	738	637	699	557	940	916
J & K	437	634	737	558	1000	1000
Jharkhand	1000	638	409	272	879	640
Karnataka	348	374	458	488	739	600
Kerala	752	509	549	563	854	813
Madhya Pradesh	603	539	560	451	812	817
Maharashtra	570	381	260	408	654	816
Orissa	563	437	327	414	911	908
Punjab	555	568	453	624	710	972
Rajasthan	884	740	692	882	546	681
Tamil Nadu	815	539	571	604	816	865
Uttar Pradesh	549	683	676	629	947	898
West Bengal	871	511	525	595	824	845
India	653	533	563	541	815	828

It is observed that at all-India level, for each of the sources of information, namely 'extension worker', 'TV', 'radio', 'newspaper', 'input dealer' and 'other progressive farmer', more than 50% of the farmer households accessing information, tried the practice recommended. For the sources of 'input dealer' and 'other progressive farmers', the percentages were more than 80%. For these two sources, state level patterns were also similar, except for the states of Andhra Pradesh, Assam, Chhattisgarh, Karnataka and Rajasthan. Whereas Jharkhand had poor trial rate for the source 'other progressive farmers', Maharashtra and Punjab had the same for the source 'input dealer'.

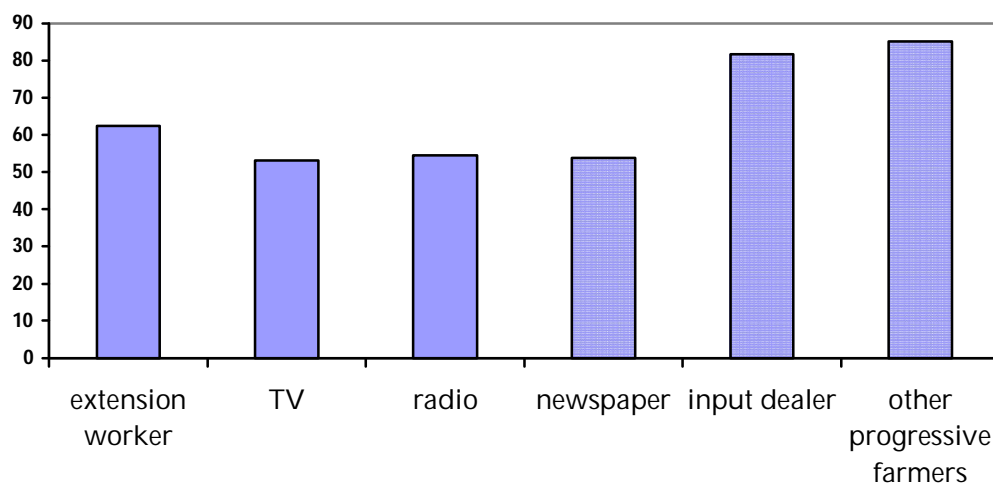
Statement 10: Per thousand number of farmer households adopting recommended practice on modern agricultural technology through different sources by states

State/UT	no. per 1000 of households reporting adoption of recommended practice on some modern agricultural technology by source of information					
	extension worker	TV	radio	newspaper	input dealer	other progressive farmers
Andhra Pradesh	735	547	505	525	863	915
Assam	746	531	596	631	486	728
Bihar	269	572	611	491	832	872
Chhattisgarh	412	316	297	535	303	603
Gujarat	834	705	537	740	855	931
Haryana	721	646	662	628	893	815
J & K	267	674	758	509	1000	1000
Jharkhand	1000	663	368	276	849	488
Karnataka	294	359	370	431	710	593
Kerala	744	449	483	502	757	790
Madhya Pradesh	545	591	548	522	803	804
Maharashtra	590	465	408	504	650	826
Orissa	434	364	311	382	826	889
Punjab	298	560	423	598	667	922
Rajasthan	872	668	676	809	947	923
Tamil Nadu	741	498	520	541	867	853
Uttar Pradesh	482	651	663	632	875	864
West Bengal	853	457	498	560	834	888
India	625	531	545	538	817	851

It is observed that at all-India level, for each of the sources of information, namely 'extension worker', 'TV', 'radio', 'newspaper', 'input dealer' and 'other progressive farmer', more than 50% of the farmer households accessing information, adopted the practice recommended. For the sources of 'input dealer' and 'other progressive farmers', the percentages were more than 80%. For these two sources, state level patterns were also similar, except for the states of Assam, Chhattisgarh, Kerala and Karnataka. Whereas Jharkhand had poor adoption rate for the source 'other progressive farmers', Maharashtra and Punjab had the same for the source 'input dealer'.



Fig 6. Per thousand distribution of households adopting recommended practice for selected sources of information



### 3.8. Suggestion for improvement in extension services:

Statement 11 presents distribution of farmer households giving suggestions for improvement in extension services for different sources of information accessed by them. The different options for suggestions for improvement in extension services available to the farmers were ‘improvement in quality and reliability of information’, ‘timeliness of information’, ‘increase in frequency of demonstration’, ‘improvement of quality of presentation’, ‘improvement of professional competence of information provider’ and ‘others’. The ‘improvement in quality and reliability of information’ was the primary concern to the farmer households for different sources available to them. This suggestion was made by more than 30% of farmer households for each of the six major sources under study.

Statement 11: Distribution of farmer households providing suggestion for improvement in extension services for different sources of information accessed by them

source	per thousand no. of farmer households with suggestion for improvement in extension services as						
	improvement in quality and reliability of information	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	all*
extension worker	344	201	180	41	75	149	1000
TV	305	186	175	87	33	203	1000
Radio	328	199	141	77	33	207	1000
newspaper	369	180	105	73	43	222	1000
input dealer	393	128	69	61	86	247	1000
other progressive farmers	323	123	49	78	87	328	1000

\* includes n.r also.

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source	
		no. per 1000 of households accessing the source of information with				casual	n.r.	all			
		daily	weekly	monthly	seasonal						need based
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
participation in training	11	6	13	15	308	184	474	0	1000	642	32
krishi vigyan kendra	2	0	0	27	184	135	655	0	1000	142	8
extension worker	90	14	35	218	284	345	104	0	1000	5412	260
television	119	386	223	12	80	76	222	0	1000	7202	412
radio	39	643	142	12	16	50	137	0	1000	2354	130
newspaper	64	476	139	52	54	93	173	14	1000	3868	212
village fair	40	141	160	154	461	58	26	0	1000	2438	88
government demonstration	53	5	19	109	494	201	172	0	1000	3222	165
input dealer	301	8	14	5	258	677	35	3	1000	18134	892
other progressive farmers	341	28	40	3	278	595	53	3	1000	20560	1005
farmer's study tour	3	0	0	0	854	28	118	0	1000	176	10
para technician/private agency/NGO	9	0	0	59	581	299	61	0	1000	541	28
primary cooperative society	21	0	0	32	126	750	91	0	1000	1293	75
output buyer/food processor	43	0	14	0	176	802	8	0	1000	2622	140
credit agency	51	0	0	0	54	943	3	0	1000	3060	159
others	14	106	38	4	44	741	68	0	1000	834	42
estd. no. of hhs ('00)	37831	4919	3243	2393	13555	20331	4838	53	37831	-	-
sample no. of hhs	1938	278	170	120	628	1087	243	1	1938	-	-

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source	
		no. per 1000 of households accessing the source				frequency of contact					
		daily	weekly	monthly	seasonal	need based	casual	n.r.			all
(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
participation in training	83	0	0	0	24	21	368	586	1000	102	44
krishi vighan kendra	67	0	0	0	0	26	432	542	1000	82	33
extension worker	101	0	0	0	17	3	649	330	1000	124	50
television	96	52	91	0	122	0	416	319	1000	118	48
radio	160	290	155	31	122	11	189	203	1000	196	77
newspaper	67	0	48	26	0	0	466	459	1000	82	33
village fair	66	0	0	0	0	27	438	536	1000	81	32
government demonstration	94	0	25	0	212	9	367	387	1000	115	50
input dealer	66	0	0	0	0	27	438	536	1000	81	32
other progressive farmers	84	0	0	19	186	29	344	421	1000	103	39
farmer's study tour	70	0	0	0	52	25	415	508	1000	86	33
para technician/private agency/NGO	81	64	122	0	0	22	356	436	1000	100	40
primary cooperative society	66	0	0	13	0	13	438	536	1000	81	32
output buyer/food processor	66	0	0	0	0	27	438	536	1000	81	32
credit agency	66	0	0	0	0	27	438	536	1000	81	32
others	90	4	0	0	7	0	593	396	1000	110	45
estd. no. of hhs ('00)	280	57	48	10	90	7	115	62	280	-	-
sample no. of hhs	118	24	20	4	35	6	42	31	118	-	-

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source (1)	no. per 1000 of households accessing the source (2)	no. per 1000 of households accessing the source of information with frequency of contact						casual (8)	n.r. (9)	all (10)	estd. no. of hrs accessing the source ('00) (11)	sample no. of hhs accessing the source (12)
		daily (3)	weekly (4)	monthly (5)	seasonal (6)	need based (7)						
participation in training	12	0	0	50	407	161	232	150	1000	302	23	
krishi vigyan kendra	6	0	0	99	200	101	303	297	1000	152	11	
extension worker	59	0	4	124	50	614	177	30	1000	1483	112	
Television	93	184	232	24	108	131	321	0	1000	2319	218	
Radio	289	250	296	62	82	131	177	1	1000	7246	573	
Newspaper	102	397	277	27	67	99	123	9	1000	2565	239	
village fair	46	300	474	51	39	66	61	10	1000	1150	130	
government demonstration	42	39	97	130	303	300	102	29	1000	1041	87	
input dealer	80	14	47	12	472	259	175	23	1000	2003	156	
other progressive farmers	159	28	73	37	213	499	146	6	1000	3977	306	
farmer's study tour	11	0	182	213	172	120	232	81	1000	278	27	
para technician/private agency/NGO	19	0	0	23	114	217	552	94	1000	481	41	
primary cooperative society	15	10	2	78	204	165	424	118	1000	384	31	
output buyer/food processor	38	7	0	17	733	46	150	48	1000	947	92	
credit agency	9	0	0	84	65	59	602	191	1000	237	22	
Others	16	0	6	147	70	242	422	114	1000	396	44	
estd. no. of hhs ('00)	11553	2320	3509	938	2905	3830	2797	64	11553	-	-	
sample no. of hhs	945	231	304	77	240	304	216	4	945	-	-	

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source	
		(3)	(4)	(5)	(6)	(7)	(8)	(9)			(10)
participation in training	0	0	0	0	0	124	876	0	1000	18	4
krishi vigyan kendra	1	0	0	0	0	319	681	0	1000	39	4
extension worker	4	56	0	0	137	0	808	0	1000	285	16
television	34	414	179	52	74	110	171	0	1000	2437	147
radio	173	492	173	28	40	107	159	0	1000	12256	602
newspaper	57	497	224	8	47	118	106	0	1000	4028	211
village fair	25	56	236	4	329	101	275	0	1000	1741	88
government demonstration	5	60	0	71	94	194	582	0	1000	324	22
input dealer	124	50	38	72	262	525	53	0	1000	8795	505
other progressive farmers	100	64	2	21	245	567	101	0	1000	7089	405
farmer's study tour	0	891	0	0	109	0	0	0	1000	10	2
para technician/private agency/NGO	4	0	0	0	0	0	1000	0	1000	251	13
primary cooperative society	7	0	0	28	44	927	0	0	1000	491	18
output buyer/food processor	22	0	0	0	343	654	3	0	1000	1582	112
credit agency	5	139	0	23	80	682	76	0	1000	376	21
others	19	49	79	27	49	225	571	0	1000	1330	70
estd. no. of hhs ('00)	22924	7231	3827	1160	4696	9480	5019	2	22924	-	-
sample no. of hhs	1226	379	186	58	277	519	261	1	1226	-	-

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source	
		(3)	(4)	(5)	(6)	(7)	(8)	(9)			(10)
participation in training	8	187	20	0	14	385	393	0	1000	222	10
krishi vigyan kendra	8	0	136	0	11	623	230	0	1000	207	8
extension worker	155	0	47	122	454	145	232	0	1000	4288	182
television	42	172	78	103	51	207	390	0	1000	1157	61
radio	35	231	59	0	46	141	523	0	1000	954	44
newspaper	16	433	34	94	65	199	176	0	1000	443	29
village fair	2	0	0	0	0	683	317	0	1000	68	3
government demonstration	14	0	0	51	913	37	0	0	1000	394	21
input dealer	2	0	0	0	303	697	0	0	1000	50	2
other progressive farmers	33	10	3	0	183	602	201	0	1000	908	49
farmer's study tour	1	0	0	0	0	0	1000	0	1000	26	1
para technician/private agency/NGO	-	-	-	-	-	-	-	-	-	-	0
primary cooperative society	37	0	0	14	514	442	29	0	1000	1032	41
output buyer/food processor	5	0	0	0	231	769	0	0	1000	151	6
credit agency	13	0	0	0	0	481	519	0	1000	355	14
others	-	-	-	-	-	-	-	-	-	-	0
estd. no. of hhs ('00)	6902	543	334	645	2759	1837	2063	0	6902	-	-
sample no. of hhs	300	29	18	27	122	79	93	0	300	-	-

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hrs accessing the source ('00)	sample no. of hhs accessing the source	
		(3)	(4)	(5)	(6)	(7)	(8)	(9)			(10)
participation in training	3	0	0	0	9	25	966	0	1000	123	6
krishi vigyan kendra	11	0	0	248	472	12	268	0	1000	419	19
extension worker	219	14	41	94	332	326	192	0	1000	8305	280
television	104	128	420	75	62	70	245	0	1000	3950	154
radio	62	125	488	125	123	30	109	0	1000	2357	68
newspaper	68	257	217	80	100	104	242	0	1000	2556	111
village fair	3	0	0	0	1000	0	0	0	1000	108	8
government demonstration	32	19	1	11	414	396	158	0	1000	1207	42
input dealer	243	3	5	43	439	498	12	0	1000	9211	294
other progressive farmers	300	90	121	111	179	403	95	0	1000	11336	374
farmer's study tour	5	0	0	0	89	45	866	0	1000	183	10
para technician/private agency/NGO	6	77	0	0	441	482	0	0	1000	227	4
primary cooperative society	83	0	5	75	448	367	105	0	1000	3157	110
output buyer/food processor	53	10	5	2	722	130	130	0	1000	2002	78
credit agency	17	0	0	0	530	417	53	0	1000	636	30
others	32	5	23	5	130	769	68	0	1000	1217	30
estd. no. of hhs ('00)	20886	2239	3912	2937	8235	11515	4728	0	20886	-	-
sample no. of hhs	707	94	123	106	272	378	143	0	707	-	-

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source (1)	no. per 1000 of households accessing the source (2)	no. per 1000 of households accessing the source of information with frequency of contact						casual (8)	n.r. (9)	all (10)	estd. no. of hrs accessing the source ('00) (11)	sample no. of hhs accessing the source (12)
		daily (3)	weekly (4)	monthly (5)	seasonal (6)	need based (7)						
participation in training	1	0	0	0	0	450	550	0	1000	26	2	
krishi vigyan kendra	9	50	0	0	612	5	333	0	1000	170	7	
extension worker	25	0	0	119	200	325	355	0	1000	496	23	
television	90	302	161	62	95	87	293	0	1000	1752	97	
radio	112	463	206	47	30	78	175	0	1000	2177	92	
newspaper	80	521	111	81	24	44	218	0	1000	1557	74	
village fair	13	0	0	0	377	88	535	0	1000	247	11	
government demonstration	8	0	0	0	297	0	703	0	1000	149	13	
input dealer	95	53	0	0	307	638	2	0	1000	1841	91	
other progressive farmers	169	154	48	31	41	657	69	0	1000	3290	140	
farmer's study tour	1	0	0	0	0	0	1000	0	1000	18	1	
para technician/private agency/NGO	5	0	0	0	0	1000	0	0	1000	89	4	
primary cooperative society	39	18	0	96	308	442	136	0	1000	749	38	
output buyer/food processor	39	107	0	41	89	733	30	0	1000	761	39	
credit agency	36	78	0	0	211	712	0	0	1000	710	29	
others	2	0	0	62	517	421	0	0	1000	39	6	
estd. no. of hhs ('00)	7198	2124	967	599	1633	3555	1401	0	7198	-	-	
sample no. of hhs	319	93	36	24	72	162	75	0	319	-	-	



Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source	
		(3)	(4)	(5)	(6)	(7)	(8)	(9)			(10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
participation in training	38	0	0	6	174	388	432	0	1000	346	38
krishi vigyan kendra	36	45	40	7	84	581	242	0	1000	326	41
extension worker	21	0	0	11	231	182	577	0	1000	190	30
television	171	403	214	2	60	98	223	0	1000	1547	188
radio	140	426	208	7	92	121	146	0	1000	1266	162
newspaper	48	604	189	13	60	56	78	0	1000	432	62
village fair	5	0	41	0	604	0	355	0	1000	42	10
government demonstration	16	0	0	0	429	145	426	0	1000	143	24
input dealer	40	0	0	0	746	221	33	0	1000	360	46
other progressive farmers	129	230	24	38	133	490	85	0	1000	1166	179
farmer's study tour	0	0	0	0	0	1000	0	0	1000	2	1
para technician/private agency/NGO	1	0	0	1000	0	0	0	0	1000	7	1
primary cooperative society	77	14	0	236	166	519	65	0	1000	696	80
output buyer/food processor	24	0	0	0	134	856	10	0	1000	219	23
credit agency	18	0	0	0	0	1000	0	0	1000	162	20
others	2	0	0	0	98	902	0	0	1000	16	5
estd. no. of hhs ('00)	3786	1098	596	233	907	1540	903	0	3786	-	-
sample no. of hhs	495	136	87	31	120	203	116	0	495	-	-

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact						casual	n.r.	all	estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source
		(3)	(4)	(5)	(6)	(7)	(8)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
participation in training	6	0	0	0	80	0	920	0	1000	58	6	
krishi vigyan kendra	-	-	-	-	-	-	-	-	-	-	0	
extension worker	30	0	3	0	997	0	0	0	1000	285	14	
television	300	469	262	35	12	1	221	0	1000	2829	337	
radio	363	571	178	69	32	1	150	0	1000	3427	436	
newspaper	19	559	222	55	40	15	108	0	1000	181	32	
village fair	2	0	0	0	1000	0	0	0	1000	20	3	
government demonstration	15	25	0	0	34	0	941	0	1000	141	9	
input dealer	13	0	0	0	950	50	0	0	1000	119	5	
other progressive farmers	7	0	0	0	0	0	1000	0	1000	64	10	
farmer's study tour	-	-	-	-	-	-	-	-	-	-	0	
para technician/private agency/NGO	0	0	0	1000	0	0	0	0	1000	5	1	
primary cooperative society	3	0	0	0	183	715	102	0	1000	25	5	
output buyer/food processor	-	-	-	-	-	-	-	-	-	-	0	
credit agency	-	-	-	-	-	-	-	-	-	-	0	
others	0	0	0	0	0	1000	0	0	1000	2	1	
estd. no. of hhs ('00)	4530	2085	1079	314	519	29	1051	0	4530	-	-	
sample no. of hhs	503	300	118	14	33	6	85	0	503	-	-	

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hrs accessing the source ('00)	sample no. of hhs accessing the source	
		(3)	(4)	(5)	(6)	(7)	(8)	(9)			(10)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
participation in training	3	0	0	0	0	336	664	0	1000	72	7
krishi vigyan kendra	1	0	0	0	972	28	0	0	1000	37	3
extension worker	0	0	0	0	0	1000	0	0	1000	12	1
television	23	355	209	87	149	27	173	0	1000	662	57
radio	154	486	221	16	76	16	186	0	1000	4358	238
newspaper	47	583	129	27	21	43	197	0	1000	1313	65
village fair	40	47	228	41	204	64	416	0	1000	1119	56
government demonstration	19	64	0	0	51	27	859	0	1000	526	26
input dealer	31	0	0	0	568	414	18	0	1000	880	41
other progressive farmers	87	85	236	0	306	302	72	0	1000	2466	136
farmer's study tour	-	-	-	-	-	-	-	-	-	-	0
para technician/private agency/NGO	1	0	0	0	1000	0	0	0	1000	36	1
primary cooperative society	0	0	0	0	0	1000	0	0	1000	1	1
output buyer/food processor	6	0	0	0	44	886	70	0	1000	174	10
credit agency	6	0	0	0	0	947	53	0	1000	181	10
others	22	107	3	0	313	61	517	0	1000	618	39
estd. no. of hhs ('00)	8023	2551	1991	187	2134	1365	2254	0	8023	-	-
sample no. of hhs	440	138	100	10	119	94	116	0	440	-	-

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source	
		(3)	(4)	(5)	(6)	(7)	(8)	(9)			(10)
participation in training	15	0	0	35	260	268	437	0	1000	621	31
krishi vigyan kendra	11	0	0	136	279	282	304	0	1000	439	22
extension worker	115	0	168	31	456	246	99	0	1000	4663	206
television	119	456	175	29	38	186	116	0	1000	4818	252
radio	142	384	120	27	82	235	153	0	1000	5719	264
newspaper	98	407	278	0	27	194	94	0	1000	3959	202
village fair	24	5	7	100	207	106	574	0	1000	973	46
government demonstration	23	3	13	5	356	154	468	0	1000	914	56
input dealer	155	0	34	101	340	457	68	0	1000	6270	278
other progressive farmers	114	5	168	50	222	379	176	0	1000	4610	222
farmer's study tour	4	268	0	0	21	12	700	0	1000	151	7
para technician/private agency/NGO	6	0	0	0	188	240	573	0	1000	242	13
primary cooperative society	68	10	25	113	301	495	56	0	1000	2745	119
output buyer/food processor	53	0	0	3	584	401	12	0	1000	2157	91
credit agency	70	2	19	8	152	804	16	0	1000	2842	113
others	30	0	13	6	198	565	218	0	1000	1197	57
estd. no. of hhs ('00)	17893	4136	3823	1629	4573	7815	3870	0	17893	-	-
sample no. of hhs	838	192	200	76	212	336	194	0	838	-	-

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

Kerala	source (1)	no. per 1000 of households accessing the source (2)	no. per 1000 of households accessing the source of information with frequency of contact						casual (8)	n.r. (9)	all (10)	estd. no. of hhs accessing the source ('00) (11)	sample no. of hhs accessing the source (12)
			daily (3)	weekly (4)	monthly (5)	seasonal (6)	need based (7)						
	participation in training	28	12	10	84	123	226	545	0	1000	611	75	
	krishi vigyan kendra	84	0	29	55	307	363	245	0	1000	1834	164	
	extension worker	38	0	1	17	154	538	289	0	1000	824	81	
	television	226	171	326	41	62	53	347	0	1000	4950	524	
	radio	306	315	270	35	36	69	276	0	1000	6706	668	
	newspaper	378	294	337	29	36	56	247	0	1000	8299	836	
	village fair	12	90	219	3	76	296	316	0	1000	262	43	
	government demonstration	30	30	30	12	220	466	243	0	1000	648	50	
	input dealer	28	0	2	0	135	797	66	0	1000	616	66	
	other progressive farmers	130	28	11	3	71	382	504	0	1000	2858	274	
	farmer's study tour	4	0	0	0	61	914	25	0	1000	79	7	
	para technician/private agency/NGO	11	0	0	288	57	619	37	0	1000	241	29	
	primary cooperative society	64	17	21	84	143	647	88	0	1000	1404	138	
	output buyer/food processor	43	32	2	5	162	702	97	0	1000	944	103	
	credit agency	51	5	0	0	14	953	28	0	1000	1122	89	
	others	23	32	0	5	138	499	326	0	1000	496	56	
	estd. no. of hhs ('00)	12730	3707	4171	747	1712	3836	4997	0	12730	-	-	
	sample no. of hhs	1294	369	428	65	163	363	535	0	1294	-	-	

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact						estd. no. of hrs accessing the source ('00)	sample no. of hhs accessing the source		
		(3)	(4)	(5)	(6)	(7)	(8)			(9)	(10)
participation in training	3	0	0	0	87	236	677	0	1000	204	14
krishi vigyan kendra	5	0	0	0	605	214	182	0	1000	286	11
extension worker	90	34	89	174	324	134	245	0	1000	5665	277
television	66	378	368	19	46	33	156	0	1000	4198	189
radio	84	438	366	26	20	29	121	0	1000	5293	223
newspaper	34	415	327	28	61	87	82	0	1000	2124	106
village fair	6	0	18	183	71	91	637	0	1000	383	16
government demonstration	32	1	34	22	538	185	220	0	1000	2027	82
input dealer	102	6	2	64	286	533	109	0	1000	6449	256
other progressive farmers	191	58	172	22	91	630	27	0	1000	12085	460
farmer's study tour	1	0	403	0	0	597	0	0	1000	62	3
para technician/private agency/NGO	1	0	0	0	1000	0	0	0	1000	50	2
primary cooperative society	72	1	21	68	293	563	54	0	1000	4581	201
output buyer/food processor	22	0	2	0	170	719	108	0	1000	1383	65
credit agency	18	100	128	26	159	537	51	0	1000	1165	51
others	12	35	9	0	5	338	612	0	1000	748	34
estd. no. of hhs ('00)	26184	3926	5439	2292	6815	12285	4577	0	26184	-	-
sample no. of hhs	1088	165	207	101	305	490	219	0	1088	-	-

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source			
		(3)	(4)	(5)	(6)	(7)	(8)	(9)			(10)	(11)	(12)
(1)													
participation in training	8	32	0	24	222	72	651	0	1000	536	41		
krishi vigyan kendra	5	0	60	48	28	221	643	0	1000	347	25		
extension worker	76	23	125	56	327	171	298	0	1000	4989	300		
television	209	394	221	39	74	78	195	0	1000	13778	777		
radio	126	303	228	71	45	92	263	0	1000	8302	417		
newspaper	146	385	206	70	57	97	185	0	1000	9616	554		
village fair	28	87	54	9	317	260	274	0	1000	1832	102		
government demonstration	27	16	0	17	384	287	296	0	1000	1753	90		
input dealer	171	16	5	7	636	265	70	0	1000	11251	596		
other progressive farmers	170	152	47	22	261	444	73	0	1000	11214	609		
farmer's study tour	3	0	0	0	28	262	710	0	1000	165	14		
para technician/private agency/NGO	11	36	3	5	407	41	507	0	1000	748	46		
primary cooperative society	59	60	8	116	272	298	246	0	1000	3889	190		
output buyer/food processor	26	44	42	11	442	283	179	0	1000	1736	83		
credit agency	15	95	50	82	355	335	82	0	1000	965	66		
others	18	51	0	15	351	368	215	0	1000	1177	52		
estd. no. of hhs ('00)	30437	9093	6622	2551	13066	10623	8050	0	30437	-	-		
sample no. of hhs	1581	536	368	155	656	529	430	0	1581	-	-		

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hrs accessing the source ('00)	sample no. of hhs accessing the source	
		no. per 1000 of households accessing the source of information with frequency of contact									
		daily	weekly	monthly	seasonal	need based	casual	n.r.			all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
participation in training	15	0	0	63	110	13	712	102	1000	32	13
krishi vigyan kendra	-	-	-	-	-	-	-	-	-	-	0
extension worker	11	0	0	0	836	0	164	0	1000	23	13
television	53	166	85	291	84	0	374	0	1000	114	60
radio	414	195	182	82	153	67	319	3	1000	888	429
newspaper	104	382	108	16	129	4	360	0	1000	223	96
village fair	0	1000	0	0	0	0	0	0	1000	0	1
government demonstration	26	0	0	0	54	0	946	0	1000	55	21
input dealer	106	55	0	0	35	898	12	0	1000	228	145
other progressive farmers	131	16	3	0	355	160	466	0	1000	280	154
farmer's study tour	-	-	-	-	-	-	-	-	-	-	0
para technician/private agency/NGO	1	0	0	0	0	775	225	0	1000	3	4
primary cooperative society	-	-	-	-	-	-	-	-	-	-	0
output buyer/food processor	3	0	0	0	833	0	167	0	1000	7	4
credit agency	-	-	-	-	-	-	-	-	-	-	0
others	7	0	0	0	139	336	525	0	1000	14	11
estd. no. of hhs ('00)	1193	202	181	75	269	298	521	6	1193	-	-
sample no. of hhs	570	119	82	30	141	177	250	3	570	-	-



Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source (1)	no. per 1000 of households accessing the source (2)	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hrs accessing the source ('00) (11)	sample no. of hrs accessing the source (12)	
		daily (3)	weekly (4)	monthly (5)	seasonal (6)	need based (7)	casual (8)	n.r. (9)			all (10)
participation in training	5	0	0	0	413	44	543	0	1000	13	6
krishi vigyan kendra	-	-	-	-	-	-	-	-	-	-	0
extension worker	39	0	0	0	0	771	229	0	1000	100	22
television	168	94	66	49	318	5	469	0	1000	428	125
radio	196	223	100	31	80	78	488	0	1000	498	140
newspaper	109	48	159	19	104	3	665	0	1000	276	85
village fair	160	7	13	0	841	0	138	0	1000	406	108
government demonstration	35	0	0	59	461	15	464	0	1000	89	26
input dealer	47	0	24	0	46	737	192	0	1000	120	40
other progressive farmers	192	14	6	0	274	478	229	0	1000	487	123
farmer's study tour	0	0	0	0	0	0	1000	0	1000	0	1
para technician/private agency/NGO	-	-	-	-	-	-	-	-	-	-	0
primary cooperative society	12	0	0	0	0	992	8	0	1000	30	5
output buyer/food processor	10	0	0	0	0	991	9	0	1000	26	4
credit agency	8	0	0	0	0	1000	0	0	1000	20	4
others	-	-	-	-	-	-	-	-	-	-	0
estd. no. of hrs ('00)	1180	117	95	32	520	428	431	0	1180	-	-
sample no. of hrs	329	47	27	11	143	102	121	0	329	-	-

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source	
		(3)	(4)	(5)	(6)	(7)	(8)	(9)			(10)
participation in training	9	0	0	0	0	0	1000	0	1000	7	4
krishi vigyan kendra	11	1000	0	0	0	0	0	0	1000	8	1
extension worker	11	1000	0	0	0	0	0	0	1000	8	1
television	13	38	121	0	0	0	840	0	1000	10	7
radio	171	343	400	23	0	2	232	0	1000	133	81
newspaper	72	9	0	928	0	0	63	0	1000	56	36
village fair	-	-	-	-	-	-	-	-	-	-	0
government demonstration	4	0	0	0	0	1000	0	0	1000	3	4
input dealer	-	-	-	-	-	-	-	-	-	-	0
other progressive farmers	-	-	-	-	-	-	-	-	-	-	0
farmer's study tour	-	-	-	-	-	-	-	-	-	-	0
para technician/private agency/NGO	-	-	-	-	-	-	-	-	-	-	0
primary cooperative society	-	-	-	-	-	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	-	-	-	-	-	0
credit agency	-	-	-	-	-	-	-	-	-	-	0
others	-	-	-	-	-	-	-	-	-	-	0
estd. no. of hhs ('00)	156	55	54	55	0	3	44	0	156	-	-
sample no. of hhs	91	26	37	33	0	5	25	0	91	-	-

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source	
		(3) daily	(4) weekly	(5) monthly	(6) seasonal	(7) need based	(8) casual	(9) n.r.			(10) all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
participation in training	6	0	0	0	546	0	454	0	1000	5	2
krishi vigyan kendra	-	-	-	-	-	-	-	-	-	-	0
extension worker	-	-	-	-	-	-	-	-	-	-	0
television	262	0	0	141	137	153	569	0	1000	211	89
radio	342	73	173	130	357	151	116	0	1000	276	130
newspaper	84	262	137	0	344	86	170	0	1000	68	28
village fair	10	0	0	0	280	512	208	0	1000	8	3
government demonstration	51	0	0	0	360	0	640	0	1000	41	21
input dealer	-	-	-	-	-	-	-	-	-	-	0
other progressive farmers	9	0	0	358	0	0	642	0	1000	8	3
farmer's study tour	-	-	-	-	-	-	-	-	-	-	0
para technician/private agency/NGO	6	0	0	0	0	0	1000	0	1000	5	2
primary cooperative society	-	-	-	-	-	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	-	-	-	-	-	0
credit agency	-	-	-	-	-	-	-	-	-	-	0
others	32	0	0	0	19	855	126	0	1000	26	15
estd. no. of hhs ('00)	312	38	57	60	126	102	151	0	312	-	-
sample no. of hhs	149	19	19	19	62	43	74	0	149	-	-

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact					need based	casual	n.r.	all	estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source
		daily	weekly	monthly	seasonal	(7)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
participation in training	6	144	0	0	0	0	856	0	1000	272	14	
krishi vigyan kendra	1	0	0	0	0	0	1000	0	1000	32	2	
extension worker	63	11	35	99	261	187	407	0	1000	2665	117	
television	61	331	185	1	103	12	368	0	1000	2581	151	
radio	60	243	145	4	226	5	378	0	1000	2539	134	
newspaper	39	372	183	10	81	45	310	0	1000	1636	92	
village fair	6	0	0	0	360	0	640	0	1000	256	18	
government demonstration	11	0	0	0	70	84	846	0	1000	473	20	
input dealer	82	15	12	68	109	766	30	0	1000	3452	188	
other progressive farmers	70	8	10	28	112	222	620	0	1000	2955	153	
farmer's study tour	0	0	0	0	1000	0	0	0	1000	8	1	
para technician/private agency/NGO	2	0	0	0	80	104	816	0	1000	81	5	
primary cooperative society	17	0	0	0	6	777	217	0	1000	739	47	
output buyer/food processor	4	0	0	0	329	671	0	0	1000	176	11	
credit agency	10	0	0	0	14	986	0	0	1000	404	23	
others	5	0	0	5	185	117	692	0	1000	231	6	
estd. no. of hhs ('00)	10834	1558	1112	607	2150	3644	5362	0	10834	-	-	
sample no. of hhs	514	91	56	33	120	184	241	0	514	-	-	

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact						casual	n.r.	all	estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source
		(3)	(4)	(5)	(6)	(7)	(8)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
participation in training	9	0	0	88	544	183	184	0	1000	162	16	
krishi vigyan kendra	8	0	0	0	621	128	251	0	1000	139	12	
extension worker	14	0	0	192	289	128	390	0	1000	250	19	
television	165	324	302	21	57	100	195	0	1000	3044	183	
radio	54	338	242	85	17	111	207	0	1000	992	51	
newspaper	81	423	225	119	53	79	102	0	1000	1489	91	
village fair	25	19	0	0	391	139	450	0	1000	463	32	
government demonstration	9	0	0	0	554	294	152	0	1000	164	21	
input dealer	36	125	0	61	214	477	124	0	1000	661	51	
other progressive farmers	43	443	38	78	119	237	85	0	1000	788	53	
farmer's study tour	1	0	0	0	0	1000	0	0	1000	24	1	
para technician/private agency/NGO	1	0	0	0	0	950	50	0	1000	17	2	
primary cooperative society	57	61	144	30	243	494	29	0	1000	1057	62	
output buyer/food processor	8	0	0	244	0	756	0	0	1000	143	5	
credit agency	22	0	0	92	204	704	0	0	1000	408	29	
others	3	0	0	92	0	908	0	0	1000	51	3	
estd. no. of hhs ('00)	4920	1726	1177	582	971	1316	1154	0	4920	-	-	
sample no. of hhs	305	114	77	27	68	86	70	0	305	-	-	

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact					need based	casual	n.r.	all	estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source
		(1)	(2)	(3)	(4)	(5)						
participation in training	4	29	19	0	484	146	322	0	1000	229	18	
krishti vgyan kendra	7	0	0	205	517	44	234	0	1000	393	21	
extension worker	14	0	81	57	410	77	374	0	1000	759	48	
television	21	280	187	91	128	1	313	0	1000	1117	83	
radio	28	313	162	32	95	2	396	0	1000	1511	106	
newspaper	21	482	148	11	216	49	94	0	1000	1089	81	
village fair	2	0	0	0	628	0	372	0	1000	95	5	
government demonstration	7	0	0	3	347	8	641	0	1000	396	23	
input dealer	56	59	59	61	469	296	56	0	1000	2952	135	
other progressive farmers	53	76	90	23	480	295	36	0	1000	2798	130	
farmer's study tour	0	0	0	0	0	0	1000	0	1000	20	2	
para technician/private agency/NGO	2	0	0	0	50	0	950	0	1000	89	3	
primary cooperative society	10	169	2	41	533	255	0	0	1000	549	43	
output buyer/food processor	1	0	0	109	891	0	0	0	1000	43	2	
credit agency	15	33	0	12	241	567	148	0	1000	780	35	
others	4	0	0	0	473	404	123	0	1000	196	9	
estd. no. of hhs ('00)	7786	1240	761	492	3582	1837	1508	0	7786	-	-	
sample no. of hhs	432	80	55	34	196	90	92	0	432	-	-	

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact					need based	casual	n.r.	all	estd. no. of hrs accessing the source ('00)	sample no. of hrs accessing the source (12)
		daily	weekly	monthly	seasonal	(6)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
participation in training	6	0	0	0	0	20	980	0	1000	3	5	
krishi vigyan kendra	0	0	0	0	0	0	1000	0	1000	0	1	
extension worker	427	6	4	96	134	275	485	0	1000	227	228	
television	55	57	0	105	5	210	624	0	1000	29	41	
radio	96	43	447	11	0	12	469	18	1000	51	56	
newspaper	7	12	166	0	0	166	656	0	1000	4	8	
village fair	24	0	0	0	4	0	996	0	1000	13	14	
government demonstration	40	8	0	0	104	13	874	0	1000	21	36	
input dealer	3	0	0	0	63	0	937	0	1000	2	2	
other progressive farmers	0	0	0	0	1000	0	0	0	1000	0	1	
farmer's study tour	-	-	-	-	-	-	-	-	-	-	0	
para technician/private agency/NGO	23	15	0	0	0	0	985	0	1000	12	19	
primary cooperative society	44	8	0	0	792	0	201	0	1000	24	26	
output buyer/food processor	56	6	0	0	970	24	0	0	1000	30	35	
credit agency	1	0	0	0	0	833	167	0	1000	0	2	
others	-	-	-	-	-	-	-	-	-	-	0	
estd. no. of hrs ('00)	288	5	24	25	63	70	161	1	288	-	-	
sample no. of hrs	300	10	21	24	71	83	165	1	300	-	-	

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact					need based	casual	n.r.	all	estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source
		daily	weekly	monthly	seasonal	(7)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
participation in training	41	19	0	74	420	242	245	0	1000	1582	85	
krishi vgyan kendra	1	0	0	21	812	117	50	0	1000	52	7	
extension worker	133	33	141	223	240	269	95	0	1000	5187	307	
television	196	417	164	31	82	134	172	0	1000	7633	555	
radio	163	451	118	50	55	122	203	0	1000	6341	477	
newspaper	143	547	78	1	51	131	192	0	1000	5576	404	
village fair	15	357	12	67	260	132	173	0	1000	595	60	
government demonstration	35	4	31	177	214	341	232	0	1000	1355	103	
input dealer	94	37	46	8	244	659	6	0	1000	3660	205	
other progressive farmers	210	54	51	29	132	678	56	0	1000	8146	553	
farmer's study tour	4	0	0	0	151	366	483	0	1000	163	12	
para technician/private agency/NGO	16	68	1	309	80	472	70	0	1000	632	65	
primary cooperative society	83	9	39	183	115	500	153	0	1000	3241	229	
output buyer/food processor	47	52	9	29	161	737	13	0	1000	1831	114	
credit agency	34	0	11	66	51	812	59	0	1000	1313	84	
others	29	48	13	14	137	743	46	0	1000	1141	62	
estd. no. of hhs ('00)	19444	5794	3102	2463	5140	9877	3925	0	19444	-	-	
sample no. of hhs	1373	418	233	151	346	688	260	0	1373	-	-	



Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact					need based	casual	n.r.	all	estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source
		daily	weekly	monthly	seasonal	(7)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
participation in training	16	0	0	0	726	238	26	10	1000	37	25	
krishi vigyan kendra	1	0	0	0	0	0	1000	0	1000	3	1	
extension worker	17	0	0	0	402	317	281	0	1000	40	31	
television	40	107	188	303	54	42	307	0	1000	94	47	
radio	75	82	288	218	34	74	305	0	1000	174	72	
newspaper	34	197	143	16	46	447	152	0	1000	79	37	
village fair	11	0	0	0	239	51	710	0	1000	26	19	
government demonstration	38	0	0	13	579	49	358	0	1000	90	51	
input dealer	0	0	0	0	0	1000	0	0	1000	1	1	
other progressive farmers	5	0	0	0	0	0	1000	0	1000	12	4	
farmer's study tour	0	0	0	0	274	726	0	0	1000	1	2	
para technician/private agency/NGO	-	-	-	-	-	-	-	-	-	-	0	
primary cooperative society	26	0	0	0	41	959	0	0	1000	61	33	
output buyer/food processor	1	0	0	0	0	1000	0	0	1000	1	1	
credit agency	0	0	0	1000	0	0	0	0	1000	1	1	
others	-	-	-	-	-	-	-	-	-	-	0	
estd. no. of hhs ('00)	384	32	69	50	93	114	87	0	384	-	-	
sample no. of hhs	179	15	30	14	47	66	46	1	179	-	-	

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact						casual	n.r.	all	estd. no. of hrs accessing the source ('00)	sample no. of hhs accessing the source
		(1)	(2)	(3)	(4)	(5)	(6)					
participation in training	6	0	6	163	132	40	263	396	1000	954	46	
krishti vigyan kendra	5	47	0	195	150	74	119	415	1000	803	33	
extension worker	11	12	37	176	391	115	90	180	1000	1854	80	
television	65	337	228	80	97	53	175	30	1000	11132	513	
radio	150	358	238	59	54	100	174	16	1000	25700	1021	
newspaper	40	481	174	36	68	48	143	50	1000	6816	333	
village fair	17	73	38	46	170	71	486	115	1000	2905	120	
government demonstration	8	3	34	171	284	72	198	238	1000	1420	65	
input dealer	83	15	14	31	396	446	74	24	1000	14201	568	
other progressive farmers	189	93	115	73	207	360	151	0	1000	32507	1226	
farmer's study tour	3	0	0	0	38	188	212	563	1000	592	27	
para technician/private agency/NGO	5	63	201	28	99	120	99	389	1000	863	39	
primary cooperative society	25	35	24	98	271	454	40	78	1000	4329	169	
output buyer/food processor	13	0	16	11	207	594	26	147	1000	2310	88	
credit agency	6	48	9	114	68	373	16	373	1000	1055	45	
others	21	77	3	110	54	220	439	96	1000	3538	137	
estd. no. of hhs ('00)	57661	14045	11475	6108	15098	18686	13696	532	57661	-	-	
sample no. of hhs	2263	569	432	247	599	735	548	22	2263	-	-	

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact						no. per 1000 of households accessing the source of information with			estd. no. of hhs accessing the source ('00)	sample no. of hhs accessing the source
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
participation in training	24	29	0	22	571	0	378	0	1000	214	12	
krishi vigyan kendra	-	-	-	-	-	-	-	-	-	-	0	
extension worker	12	0	0	0	1000	0	0	0	1000	107	2	
television	45	597	190	57	0	0	157	0	1000	404	20	
radio	23	606	0	148	0	0	245	0	1000	208	9	
newspaper	2	372	628	0	0	0	0	0	1000	20	2	
village fair	-	-	-	-	-	-	-	-	-	-	0	
government demonstration	13	61	0	0	39	900	0	0	1000	118	4	
input dealer	88	766	0	0	46	173	15	0	1000	791	37	
other progressive farmers	224	775	73	0	36	108	8	0	1000	2009	81	
farmer's study tour	-	-	-	-	-	-	-	-	-	-	0	
para technician/private agency/NGO	2	0	0	0	1000	0	0	0	1000	19	3	
primary cooperative society	3	300	0	394	0	0	306	0	1000	24	4	
output buyer/food processor	1	0	0	0	1000	0	0	0	1000	5	1	
credit agency	1	612	0	0	0	388	0	0	1000	12	2	
others	1	1000	0	0	0	0	0	0	1000	7	1	
estd. no. of hhs ('00)	2697	1967	236	63	220	410	182	0	2697	-	-	
sample no. of hhs	116	72	8	4	13	25	13	0	116	-	-	

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact						no. per 1000 of households accessing the source of information with			estd. no. of hrs accessing the source ('00)	sample no. of hhs accessing the source
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
participation in training	10	119	0	40	122	203	517	0	1000	722	57	
krishi vgyan kendra	3	0	0	144	451	333	71	0	1000	195	12	
extension worker	41	11	102	242	294	174	178	0	1000	2832	168	
television	66	312	229	63	62	50	284	0	1000	4594	296	
radio	208	353	234	13	84	39	278	0	1000	14401	778	
newspaper	56	353	180	26	87	135	218	0	1000	3910	253	
village fair	39	19	6	27	548	7	393	0	1000	2734	157	
government demonstration	19	0	53	8	233	347	360	0	1000	1313	67	
input dealer	356	20	31	61	273	568	45	1	1000	24634	1334	
other progressive farmers	247	72	72	18	206	502	131	0	1000	17071	917	
farmer's study tour	2	0	0	0	190	15	795	0	1000	105	6	
para technician/private agency/NGO	7	109	120	0	309	124	338	0	1000	496	23	
primary cooperative society	21	45	0	79	175	550	151	0	1000	1458	65	
output buyer/food processor	19	26	29	34	585	119	207	0	1000	1292	66	
credit agency	7	107	0	0	289	385	218	0	1000	494	32	
others	23	13	0	4	233	587	160	2	1000	1573	99	
estd. no. of hhs ('00)	42175	7409	6600	3197	13056	20205	9731	33	42175	-	-	
sample no. of hhs	2306	413	340	165	686	1131	560	3	2306	-	-	

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

Group of UTs	source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hrs accessing the source ('00)	sample no. of hhs accessing the source	
			(3)	(4)	(5)	(6)	(7)	(8)	(9)			(10)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	participation in training	72	0	0	0	22	656	322	0	1000	53	19
	krishti vigyan kendra	41	0	16	25	684	274	274	0	1000	30	7
	extension worker	76	0	31	702	102	165	165	0	1000	56	22
	television	126	323	177	51	0	173	275	0	1000	92	75
	radio	74	156	72	3	188	217	365	0	1000	54	43
	newspaper	95	290	68	4	3	168	467	0	1000	70	35
	village fair	27	0	0	33	0	641	326	0	1000	20	7
	government demonstration	85	0	113	361	144	342	41	0	1000	62	30
	input dealer	86	0	0	0	147	853	0	0	1000	63	25
	other progressive farmers	269	69	78	107	259	420	68	0	1000	197	108
	farmer's study tour	5	0	0	0	0	904	96	0	1000	4	3
	para technician/private agency/NGO	27	0	0	0	0	558	442	0	1000	19	6
	primary cooperative society	62	0	0	70	253	507	170	0	1000	45	23
	output buyer/food processor	112	269	0	47	266	287	131	0	1000	82	33
	credit agency	43	0	0	99	160	453	289	0	1000	32	12
	others	77	15	0	571	85	166	163	0	1000	56	15
	estd. no. of hhs ('00)	372	80	45	70	124	192	78	0	372	-	-
	sample no. of hhs	221	60	40	29	68	91	48	0	221	-	-

Table 1: Per 1000 number of farmer households accessing each source of information on modern technology for farming and their distribution by frequency of contact

source	no. per 1000 of households accessing the source	no. per 1000 of households accessing the source of information with frequency of contact							estd. no. of hrs accessing the source ('00)	sample no. of hhs accessing the source	
		(3)	(4)	(5)	(6)	(7)	(8)	(9)			(10)
participation in training	9	29	3	53	247	182	426	59	1000	8233	664
krishi vigyan kendra	7	11	19	93	299	243	267	69	1000	6136	453
extension worker	57	15	76	131	325	242	203	8	1000	51127	2890
television	93	343	234	44	74	79	223	4	1000	83388	5733
radio	130	376	223	43	62	85	207	4	1000	116436	7530
newspaper	70	416	208	37	59	93	179	7	1000	62400	4359
village fair	20	84	106	51	327	90	320	22	1000	17990	1182
government demonstration	20	11	24	63	361	226	291	23	1000	18216	1233
input dealer	131	23	20	40	341	518	53	4	1000	116827	5991
other progressive farmers	167	84	84	38	203	472	118	1	1000	148989	7718
farmer's study tour	2	23	35	27	143	188	398	185	1000	2152	171
para technician/private agency/NGO	6	39	47	66	236	230	302	81	1000	5252	394
primary cooperative society	36	23	20	92	261	485	106	13	1000	32091	1786
output buyer/food processor	23	18	10	12	357	513	70	21	1000	20708	1239
credit agency	18	28	17	25	136	704	60	29	1000	16410	926
others	17	46	14	39	139	424	310	29	1000	15014	839
estd. no. of hhs ('00)	360793	80347	64565	30515	105047	145238	83864	752	360793	-	-
sample no. of hhs	20979	5024	3824	1689	5819	8070	5307	67	20979	-	-

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

Andhra Pradesh	source	no. per 1000 of households receiving information on cultivation								estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation	
		(2) improved seed/variety	(3) fertilizer application	(4) plant protection	(5) farm machinery	(6) harvesting / marketing	(7) others	(8) all	(9)			(10)
	(1)											
	participation in training	498	300	93	0	14	95	1000	621	30		
	krishi vigyan kendra	27	135	619	0	47	172	1000	142	8		
	extension worker	451	291	224	16	8	11	1000	5368	256		
	television	311	290	265	19	57	57	1000	6721	386		
	radio	218	344	361	11	7	60	1000	2317	124		
	newspaper	251	180	273	43	103	150	1000	3552	198		
	village fair	376	374	224	11	3	12	1000	2221	82		
	government demonstration	251	306	300	1	74	69	1000	3108	153		
	input dealer	285	421	235	0	26	34	1000	17598	859		
	other progressive farmers	265	389	219	4	81	43	1000	19482	921		
	farmer's study tour	557	0	319	6	6	112	1000	176	10		
	para technician/private agency/NGO	142	399	236	0	2	222	1000	531	26		
	primary cooperative society	94	257	10	0	335	304	1000	1204	66		
	output buyer/food processor	98	95	51	0	515	242	1000	2237	124		
	credit agency	45	39	24	0	206	685	1000	2773	151		
	others	64	275	431	0	21	208	1000	738	34		
	any source	436	549	340	12	114	113	1000	36632	1822		
	estd. no. of hhs ('00)	15969	20123	12471	442	4189	4157	36632	-	-		
	sample no. of hhs	756	977	656	23	209	209	1822	-	-		

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

Arunachal Pradesh	source	no. per 1000 of households receiving information on cultivation										estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)			
(1)	improved seed/ variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all						
	50	0	289	0	0	661	1000	53	29				
participation in training	0	0	0	0	0	1000	1000	33	19				
krishi vighyan kendra	240	328	0	0	0	432	1000	76	36				
extension worker	398	45	38	0	0	520	1000	64	32				
television	233	286	91	0	0	391	1000	137	60				
radio													
	0	0	0	0	0	1000	1000	29	18				
newspaper	0	0	0	0	0	1000	1000	32	18				
village fair	287	0	43	0	0	670	1000	66	35				
government demonstration	0	0	0	0	0	1000	1000	32	18				
input dealer	362	0	0	0	0	638	1000	53	24				
other progressive farmers	123	0	0	0	0	877	1000	36	19				
farmer's study tour													
para technician/private agency/NGO	0	165	177	0	0	658	1000	48	24				
primary cooperative society	0	0	0	0	0	1000	1000	32	18				
output buyer/food processor	0	0	0	0	0	1000	1000	32	18				
credit agency	0	0	0	0	0	1000	1000	32	18				
others	144	58	0	0	0	799	1000	60	30				
any source	524	298	187	0	0	364	1000	225	99				
estd. no. of hhs ('00)	118	67	42	0	0	82	225	-	-				
sample no. of hhs	44	25	18	0	0	43	99	-	-				



Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

Assam	source	no. per 1000 of households receiving information on cultivation										estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)			
		improved seed/ variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all					
	(1)												
	participation in training	779	89	92	0	40	0	1000	242	19			
	krishi vigyan kendra	856	144	0	0	0	0	1000	107	9			
	extension worker	419	404	86	30	53	9	1000	1411	106			
	television	439	165	99	1	41	255	1000	2133	198			
	radio	391	421	80	0	10	98	1000	6864	543			
	newspaper	335	322	116	7	95	125	1000	2272	215			
	village fair	299	69	28	0	242	362	1000	1134	127			
	government demonstration	252	174	269	0	165	140	1000	996	82			
	input dealer	119	484	64	3	9	322	1000	1917	151			
	other progressive farmers	357	241	183	19	58	142	1000	3762	288			
	farmer's study tour	269	278	0	0	60	393	1000	253	25			
	para technician/private agency/NGO	533	218	225	0	0	23	1000	419	38			
	primary cooperative society	471	373	26	0	26	104	1000	296	26			
	output buyer/food processor	178	18	27	2	32	743	1000	847	85			
	credit agency	605	187	0	0	0	208	1000	148	17			
	others	482	127	74	0	0	317	1000	295	36			
	any source	493	515	194	13	89	190	1000	11201	907			
	estd. no. of hhs ('00)	5518	5770	2175	141	995	2132	11201	-	-			
	sample no. of hhs	453	445	202	16	100	179	907	-	-			

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

Bihar	source	no. per 1000 of households receiving information on cultivation							estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
		improved seed/variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
participation in training	519	481	0	0	0	0	1000	18	4	
krishi vigyan kendra	58	624	0	0	0	319	1000	39	4	
extension worker	724	205	0	0	72	0	1000	277	15	
television	480	270	49	10	44	147	1000	2222	132	
radio	464	287	102	10	43	94	1000	11602	569	
newspaper	257	297	120	150	59	117	1000	3842	200	
village fair	170	186	104	26	332	181	1000	1582	78	
government demonstration	101	151	33	402	106	207	1000	323	21	
input dealer	287	531	123	26	14	20	1000	8594	490	
other progressive farmers	188	498	116	6	36	156	1000	6791	388	
farmer's study tour	109	0	0	0	0	891	1000	10	2	
para technician/private agency/NGO	34	702	0	0	0	263	1000	203	12	
primary cooperative society	169	106	0	0	0	725	1000	437	15	
output buyer/food processor	132	174	10	0	663	21	1000	1518	110	
credit agency	29	121	41	532	84	194	1000	296	18	
others	180	600	128	24	43	26	1000	992	53	
any source	451	588	172	60	113	125	1000	22296	1190	
estd. no. of hhs ('00)	10069	13108	3841	1330	2513	2780	22296	-	-	
sample no. of hhs	519	752	208	57	125	139	1190	-	-	

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

Chhattisgarh	source	no. per 1000 of households receiving information on cultivation										estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)			
(1)	improved seed/variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all						
	participation in training	654	161	20	0	0	165	1000	222	10			
	krishi vigyan kendra	629	250	121	0	0	0	1000	174	7			
	extension worker	502	330	134	0	11	22	1000	4187	179			
	television	487	337	96	50	7	22	1000	1157	61			
	radio	528	302	105	0	6	59	1000	954	44			
	newspaper	325	229	246	28	27	144	1000	443	29			
	village fair	317	0	184	0	0	499	1000	68	3			
	government demonstration	158	805	37	0	0	0	1000	394	21			
	input dealer	0	0	303	0	697	0	1000	50	2			
	other progressive farmers	353	354	281	0	12	0	1000	908	49			
	farmer's study tour	1000	0	0	0	0	0	1000	26	1			
	para technician/private agency/NGO	-	-	-	-	-	-	-	-	0			
	primary cooperative society	37	895	0	0	35	33	1000	975	40			
	output buyer/food processor	-	-	-	-	-	-	-	-	0			
	credit agency	258	228	0	29	326	160	1000	355	14			
	others	-	-	-	-	-	-	-	-	0			
	any source	528	521	154	12	33	44	1000	6744	296			
	estd. no. of hhs ('00)	3558	3511	1039	81	224	294	6744	-	-			
	sample no. of hhs	159	161	45	4	12	14	296	-	-			

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

Gujarat	source	no. per 1000 of households receiving information on cultivation										estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
		improved seed/variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all					
	participation in training	755	236	9	0	0	0	1000	123	6			
	krishi vigyan kendra	464	312	142	0	0	81	1000	375	17			
	extension worker	584	209	156	16	19	15	1000	8014	251			
	television	515	309	156	5	15	0	1000	3442	125			
	radio	421	340	54	0	172	14	1000	2300	64			
	newspaper	300	271	198	16	117	98	1000	2211	96			
	village fair	228	545	208	19	0	0	1000	108	8			
	government demonstration	637	69	217	6	1	70	1000	1176	36			
	input dealer	480	458	45	6	11	0	1000	9104	284			
	other progressive farmers	347	322	220	25	44	43	1000	10699	318			
	farmer's study tour	457	273	253	17	0	0	1000	183	10			
	para technician/private agency/NGO	578	0	422	0	0	0	1000	227	4			
	primary cooperative society	302	326	74	14	259	24	1000	2928	99			
	output buyer/food processor	167	132	37	1	633	31	1000	1861	72			
	credit agency	278	165	100	253	164	41	1000	400	24			
	others	475	235	290	0	0	0	1000	354	9			
	any source	712	606	282	32	149	51	1000	19463	612			
	estd. no. of hhs ('00)	13865	11801	5480	622	2905	986	19463	-	-			
	sample no. of hhs	448	353	194	33	106	35	612	-	-			

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	no. per 1000 of households receiving information on cultivation							estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
	(2) improved seed/variety	(3) fertilizer application	(4) plant protection	(5) farm machinery	(6) harvesting / marketing	(7) others	(8) all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
participation in training	1000	0	0	0	0	0	1000	26	2
krishi vigyan kendra	702	0	298	0	0	0	1000	162	6
extension worker	598	75	327	0	0	0	1000	496	23
television	590	71	184	1	72	83	1000	1589	87
radio	595	132	125	1	41	107	1000	2066	86
newspaper	309	84	287	6	233	82	1000	1421	69
village fair	394	0	120	5	482	0	1000	189	9
government demonstration	365	125	30	225	0	255	1000	140	12
input dealer	513	303	184	0	0	0	1000	1841	91
other progressive farmers	595	261	61	68	15	0	1000	3157	134
farmer's study tour	0	0	0	1000	0	0	1000	18	1
para technician/private agency/NGO	0	0	1000	0	0	0	1000	15	2
primary cooperative society	174	616	52	0	0	157	1000	669	34
output buyer/food processor	322	489	83	0	53	53	1000	761	39
credit agency	145	573	40	80	0	162	1000	564	23
others	579	361	60	0	0	0	1000	39	6
any source	760	333	259	48	99	91	1000	6590	295
estd. no. of hhs ('00)	5011	2192	1707	317	654	597	6590	-	-
sample no. of hhs	223	102	79	17	27	26	295	-	-

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

Himachal Pradesh	source	no. per 1000 of households receiving information on cultivation								estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		
		improved seed/ variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all			
	participation in training	902	0	30	0	11	56	1000	343	37	
	krishi vighyan kendra	317	486	152	0	45	0	1000	323	40	
	extension worker	272	195	496	0	36	0	1000	190	30	
	television	633	147	170	0	22	28	1000	1463	178	
	radio	337	299	238	26	55	44	1000	1254	160	
	newspaper	380	291	113	0	155	60	1000	415	61	
	village fair	873	0	127	0	0	0	1000	34	9	
	government demonstration	411	161	193	0	178	57	1000	135	23	
	input dealer	572	144	266	2	16	0	1000	360	46	
	other progressive farmers	469	145	70	1	131	184	1000	1119	170	
	farmer's study tour	1000	0	0	0	0	0	1000	2	1	
	para technician/private agency/NGO	0	1000	0	0	0	0	1000	7	1	
	primary cooperative society	388	311	47	0	20	234	1000	589	71	
	output buyer/food processor	177	0	0	0	788	35	1000	219	23	
	credit agency	0	0	0	0	165	835	1000	72	9	
	others	88	304	608	0	0	0	1000	15	4	
	any source	646	310	234	10	139	137	1000	3638	479	
	estd. no. of hhs ('00)	2349	1126	853	35	506	499	3638	-	-	
	sample no. of hhs	325	154	93	5	59	65	479	-	-	

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	Jammu & Kashmir									
	no. per 1000 of households receiving information on cultivation									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
	improved seed/variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all	estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation	
participation in training	860	0	0	140	0	0	1000	58	6	
krishi vigyan kendra	0	0	0	0	0	0	0	0	0	
extension worker	528	441	0	0	0	31	1000	276	13	
television	438	280	263	2	0	18	1000	2654	319	
radio	259	406	295	2	21	18	1000	3142	403	
newspaper	257	217	402	0	0	124	1000	175	29	
village fair	500	0	500	0	0	0	1000	16	2	
government demonstration	90	477	0	0	434	0	1000	82	7	
input dealer	737	263	0	0	0	0	1000	119	5	
other progressive farmers	0	552	448	0	0	0	1000	58	9	
farmer's study tour	-	-	-	-	-	-	-	-	0	
para technician/private agency/NGO	-	-	-	-	-	-	-	-	0	
primary cooperative society	0	285	0	0	93	622	1000	25	5	
output buyer/food processor	-	-	-	-	-	-	-	-	0	
credit agency	-	-	-	-	-	-	-	-	0	
others	1000	0	0	0	0	0	1000	2	1	
any source	421	459	289	3	24	32	1000	4287	477	
estd. no. of hhs ('00)	1805	1966	1240	13	103	136	4287	-	-	
sample no. of hhs	210	180	154	2	14	19	477	-	-	

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	no. per 1000 of households receiving information on cultivation										estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
	improved seed/variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all					
participation in training	297	502	53	0	0	148	1000	72	7			
krishi vighan kendra	1000	0	0	0	0	0	1000	37	3			
extension worker	1000	0	0	0	0	0	1000	12	1			
television	371	202	159	0	0	267	1000	655	54			
radio	450	291	126	16	6	111	1000	4144	219			
newspaper	292	333	145	17	1	212	1000	1254	60			
village fair	241	337	133	94	26	170	1000	1015	50			
government demonstration	141	566	239	0	0	54	1000	514	25			
input dealer	169	530	175	0	0	126	1000	837	38			
other progressive farmers	272	552	46	0	17	112	1000	2299	127			
farmer's study tour	-	-	-	-	-	-	-	-	0			
para technician/private agency/NGO	1000	0	0	0	0	0	1000	36	1			
primary cooperative society	1000	0	0	0	0	0	1000	1	1			
output buyer/food processor	0	0	0	0	193	807	1000	150	9			
credit agency	0	0	0	63	0	937	1000	122	7			
others	455	528	13	0	4	0	1000	618	39			
any source	430	524	169	25	16	163	1000	7713	423			
estd. no. of hhs ('00)	3314	4039	1306	190	121	1259	7713	-	-			
sample no. of hhs	187	213	72	6	10	72	423	-	-			



Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

Karnataka	source	no. per 1000 of households receiving information on cultivation								estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		
(1)	improved seed/ variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all	(10)			
	599	129	61	2	179	31	1000	577	28		
participation in training	633	27	337	2	0	0	1000	433	21		
krishi vighyan kendra	563	211	167	15	28	17	1000	4656	205		
extension worker	521	263	127	0	39	50	1000	4525	239		
television	459	281	142	6	51	62	1000	5503	252		
radio											
	385	265	137	17	116	81	1000	3717	190		
newspaper	497	20	91	67	156	169	1000	973	46		
village fair	398	111	412	66	7	7	1000	842	53		
government demonstration	518	269	33	7	116	57	1000	6247	271		
input dealer	300	345	131	7	108	109	1000	4479	214		
other progressive farmers	825	21	0	130	24	0	1000	151	7		
farmer's study tour											
para technician/private											
agency/NGO	681	279	28	12	0	0	1000	203	11		
primary cooperative society	380	293	52	0	109	166	1000	2531	106		
output buyer/food processor	117	37	4	0	835	8	1000	2067	78		
credit agency	73	62	13	15	54	785	1000	2613	94		
others	158	119	17	48	116	542	1000	1172	54		
any source	707	450	188	23	180	190	1000	17432	809		
estd. no. of hhs ('00)	12316	7843	3270	408	3135	3309	17432	-	-		
sample no. of hhs	531	359	160	27	135	143	809	-	-		

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	no. per 1000 of households receiving information on cultivation						all	estd. no. of hhs receiving information on cultivation ( '00)	sample no. of hhs receiving information on cultivation (10)
	(2) improved seed/ variety	(3) fertilizer application	(4) plant protection	(5) farm machinery	(6) harvesting / marketing	(7) others			
(1)									
participation in training	503	268	101	0	43	85	1000	559	66
krishi vigyan kendra	438	322	129	7	35	69	1000	1782	152
extension worker	154	475	207	28	101	36	1000	758	70
television	288	342	224	7	33	106	1000	4705	461
radio	260	338	213	12	71	106	1000	6008	542
newspaper	236	246	265	8	150	95	1000	7315	692
village fair	125	0	48	3	482	342	1000	229	34
government demonstration	149	123	356	89	77	206	1000	629	47
input dealer	303	292	134	70	143	59	1000	534	55
other progressive farmers	284	134	272	4	178	128	1000	2304	216
farmer's study tour	360	228	0	0	0	411	1000	79	7
para technician/private									
agency/NGO	175	226	246	34	0	320	1000	191	18
primary cooperative society	197	135	77	14	249	328	1000	1200	114
output buyer/food processor	34	73	16	0	736	141	1000	838	83
credit agency	19	15	6	40	136	784	1000	989	76
others	296	260	23	0	30	391	1000	377	39
any source	382	486	411	29	224	218	1000	11756	1099
estd. no. of hhs ('00)	4485	5717	4826	344	2637	2565	11756	-	-
sample no. of hhs	433	537	417	29	270	224	1099	-	-

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	no. per 1000 of households receiving information on cultivation										estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
	improved seed/variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all					
participation in training	439	274	255	33	0	0	1000	144	11			
krishi vigyan kendra	600	272	59	0	0	70	1000	286	11			
extension worker	657	249	68	18	0	8	1000	5586	275			
television	615	245	95	10	16	19	1000	3994	179			
radio	544	279	115	25	5	33	1000	5064	216			
newspaper	415	251	124	92	49	68	1000	2084	102			
village fair	454	229	254	18	45	0	1000	383	16			
government demonstration	768	142	90	0	0	0	1000	1988	79			
input dealer	552	270	177	0	0	2	1000	6449	256			
other progressive farmers	500	294	133	1	63	9	1000	11921	455			
farmer's study tour	395	202	403	0	0	0	1000	62	3			
para technician/private agency/NGO	680	320	0	0	0	0	1000	50	2			
primary cooperative society	503	454	27	2	9	5	1000	4560	200			
output buyer/food processor	389	51	55	0	505	0	1000	1355	64			
credit agency	329	353	65	65	44	145	1000	955	44			
others	282	107	612	0	0	0	1000	718	31			
any source	713	417	179	21	64	25	1000	25828	1074			
estd. no. of hhs ('00)	18419	10781	4612	554	1641	650	25828	-	-			
sample no. of hhs	763	465	203	26	64	34	1074	-	-			

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

Maharashtra	source	no. per 1000 of households receiving information on cultivation							estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
		(2) improved seed/variety	(3) fertilizer application	(4) plant protection	(5) farm machinery	(6) harvesting / marketing	(7) others	(8) all		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	participation in training	545	27	326	18	0	84	1000	508	37
	krishi vigyan kendra	320	236	327	16	63	37	1000	347	25
	extension worker	621	241	121	2	11	3	1000	4970	297
	television	569	214	103	27	41	46	1000	13365	743
	radio	426	264	150	11	84	65	1000	8021	397
	newspaper	329	257	155	37	149	73	1000	9241	527
	village fair	332	243	107	121	111	86	1000	1511	81
	government demonstration	445	311	129	27	30	57	1000	1720	85
	input dealer	632	258	94	2	12	3	1000	11230	592
	other progressive farmers	508	244	89	17	130	14	1000	10706	572
	farmer's study tour	614	0	94	102	25	164	1000	133	12
	para technician/private agency/NGO	291	336	222	55	82	14	1000	687	42
	primary cooperative society	463	293	65	0	131	48	1000	3616	172
	output buyer/food processor	391	89	197	0	297	26	1000	1457	68
	credit agency	192	390	62	0	180	175	1000	760	51
	others	264	353	94	0	191	97	1000	1085	47
	any source	800	462	233	42	171	61	1000	29802	1529
	-estd. no. of hhs ('00)	23846	13776	6942	1264	5082	1818	29802	-	-
	sample no. of hhs	1248	736	386	73	265	89	1529	-	-

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	no. per 1000 of households receiving information on cultivation										sample no. of hhs receiving information on cultivation
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
	improved seed/variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all	estd. no. of hhs receiving information on cultivation ('00)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
participation in training	778	222	0	0	0	0	1000	11	6		
krishi vigyan kendra	-	-	-	-	-	-	-	-	0		
extension worker	644	236	119	0	0	0	1000	17	12		
television	724	138	97	0	0	41	1000	103	56		
radio	353	322	200	3	42	80	1000	872	416		
newspaper	356	304	211	16	50	63	1000	212	92		
village fair	1000	0	0	0	0	0	1000	0	1		
government demonstration	762	96	0	142	0	0	1000	54	20		
input dealer	101	662	237	0	0	0	1000	220	137		
other progressive farmers	783	95	77	31	1	13	1000	237	129		
farmer's study tour	-	-	-	-	-	-	-	-	0		
para technician/private agency/NGO	0	0	0	0	0	1000	1000	0	1		
primary cooperative society	-	-	-	-	-	-	-	-	0		
output buyer/food processor	1000	0	0	0	0	0	1000	7	4		
credit agency	-	-	-	-	-	-	-	-	0		
others	765	235	0	0	0	0	1000	10	8		
any source	568	466	253	18	42	70	1000	1144	536		
estd. no. of hhs ('00)	650	533	290	21	48	80	1144	-	-		
sample no. of hhs	302	292	158	10	32	28	536	-	-		

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

Meghalaya	source	no. per 1000 of households receiving information on cultivation								estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		
(1)	improved seed/ variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all				
	participation in training	732	169	0	75	0	24	1000	8	4	
	krishi vigyan kendra	-	-	-	-	-	-	-	-	0	
	extension worker	16	163	619	0	0	202	1000	99	21	
	television	450	205	286	0	0	59	1000	306	93	
	radio	236	133	478	0	0	153	1000	397	108	
	newspaper	182	375	293	8	140	1	1000	257	77	
	village fair	659	0	326	10	0	5	1000	406	108	
	government demonstration	265	193	396	0	0	146	1000	89	25	
	input dealer	10	898	66	0	0	26	1000	115	37	
	other progressive farmers	20	219	221	20	494	27	1000	352	86	
	farmer's study tour	-	-	-	-	-	-	-	-	0	
	para technician/private agency/NGO	-	-	-	-	-	-	-	-	0	
	primary cooperative society	0	0	500	0	500	0	1000	13	2	
	output buyer/food processor	0	0	0	0	253	747	1000	26	3	
	credit agency	0	0	0	0	0	1000	1000	0	1	
	others	-	-	-	-	-	-	-	-	0	
	any source	408	254	453	13	189	104	1000	1114	299	
	100estd. no. of hhs ('00)	455	283	505	14	210	116	1114	-	-	
	sample no. of hhs	125	89	124	4	49	39	299	-	-	

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	no. per 1000 of households receiving information on cultivation		no. per 1000 of households receiving information on cultivation					estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
	improved seed/variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
participation in training	0	0	0	0	0	1000	1000	7	4
krishi vigyan kendra	0	0	0	0	0	1000	1000	8	1
extension worker	0	0	0	0	0	1000	1000	8	1
television	507	404	31	0	0	58	1000	10	7
radio	559	152	82	0	88	119	1000	123	77
newspaper	218	30	489	3	261	0	1000	49	31
village fair	-	-	-	-	-	-	-	-	0
government demonstration	535	372	93	0	0	0	1000	3	4
input dealer	-	-	-	-	-	-	-	-	0
other progressive farmers	-	-	-	-	-	-	-	-	0
farmer's study tour	-	-	-	-	-	-	-	-	0
para technician/private	-	-	-	-	-	-	-	-	0
agency/NGO	-	-	-	-	-	-	-	-	0
primary cooperative society	-	-	-	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	-	-	-	0
credit agency	-	-	-	-	-	-	-	-	0
others	-	-	-	-	-	-	-	-	0
any source	582	164	233	0	164	205	1000	146	87
estd. no. of hhs ('00)	85	24	34	0	24	30	146	-	-
sample no. of hhs	45	15	18	1	21	17	87	-	-

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	no. per 1000 of households receiving information on cultivation							estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
	(2) improved seed/ variety	(3) fertilizer application	(4) plant protection	(5) farm machinery	(6) harvesting / marketing	(7) others	(8) all		
(1)								(9)	(10)
participation in training	1000	0	0	0	0	0	0	1000	2
krishi vigyan kendra	-	-	-	-	-	-	-	-	-
extension worker	-	-	-	-	-	-	-	-	-
television	44	220	439	242	42	12	1000	192	76
radio	587	273	113	0	13	14	1000	255	115
newspaper	193	498	166	115	0	29	1000	56	22
village fair	1000	0	0	0	0	0	1000	6	2
government demonstration	635	45	258	62	0	0	1000	35	18
input dealer	-	-	-	-	-	-	-	-	0
other progressive farmers	415	226	358	0	0	0	1000	8	3
farmer's study tour	-	-	-	-	-	-	-	-	0
para technician/private	-	-	-	-	-	-	-	-	-
agency/NGO	0	0	1000	0	0	0	1000	5	2
primary cooperative society	-	-	-	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	-	-	-	0
credit agency	-	-	-	-	-	-	-	-	0
others	75	326	371	0	0	228	1000	21	11
any source	672	516	484	192	38	42	1000	287	130
estd. no. of hhs ('00)	193	148	139	55	11	12	287	-	-
sample no. of hhs	75	66	63	24	5	6	130	-	-



Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	no. per 1000 of households receiving information on cultivation										sample no. of hhs receiving information on cultivation
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
	improved seed/variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all	estd. no. of hhs receiving information on cultivation ('00)			
participation in training	386	385	5	0	0	224	1000	232		13	
krishi vigyan kendra	187	0	0	0	813	0	1000	32		2	
extension worker	573	207	158	0	0	62	1000	2554		114	
television	375	324	90	28	42	140	1000	2441		146	
radio	363	273	259	31	19	55	1000	2426		126	
newspaper	285	175	186	54	116	184	1000	1461		85	
village fair	32	0	14	508	227	218	1000	231		16	
government demonstration	454	302	111	109	21	4	1000	473		20	
input dealer	40	871	89	0	0	0	1000	3444		187	
other progressive farmers	230	205	45	0	146	374	1000	2955		153	
farmer's study tour	1000	0	0	0	0	0	1000	8		1	
para technician/private agency/NGO	771	125	104	0	0	0	1000	81		5	
primary cooperative society	38	166	5	0	46	746	1000	595		41	
output buyer/food processor	296	207	24	0	473	0	1000	135		8	
credit agency	0	0	0	37	0	963	1000	304		18	
others	211	755	34	0	0	0	1000	203		4	
any source	406	570	187	36	77	218	1000	10394		498	
estd. no. of hhs ('00)	4218	5928	1946	377	798	2270	10394	-		-	
sample no. of hhs	215	297	98	21	47	124	498	-		-	

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	no. per 1000 of households receiving information on cultivation								estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
participation in training	793	0	164	0	43	0	1000	135	14	
krishi vigyan kendra	1000	0	0	0	0	0	1000	139	12	
extension worker	662	80	213	12	0	34	1000	250	19	
television	725	117	66	31	49	12	1000	2535	152	
radio	338	522	40	0	71	29	1000	773	42	
newspaper	308	210	130	51	302	0	1000	1285	82	
village fair	267	270	223	124	117	0	1000	307	24	
government demonstration	623	357	0	19	0	0	1000	147	17	
input dealer	366	473	98	51	0	12	1000	612	48	
other progressive farmers	689	58	182	0	70	0	1000	755	49	
farmer's study tour	1000	0	0	0	0	0	1000	24	1	
para technician/private agency/NGO	0	950	50	0	0	0	1000	17	2	
primary cooperative society	364	429	26	0	13	169	1000	972	55	
output buyer/food processor	320	0	32	0	0	648	1000	143	5	
credit agency	539	121	8	110	62	160	1000	216	17	
others	0	0	245	0	0	755	1000	19	2	
any source	732	338	168	57	144	68	1000	4220	264	
estd. no. of hhs ('00)	3089	1426	710	242	607	288	4220	-	-	
sample no. of hhs	192	73	52	13	45	18	264	-	-	

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	no. per 1000 of households receiving information on cultivation							estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
	(2) improved seed/ variety	(3) fertilizer application	(4) plant protection	(5) farm machinery	(6) harvesting / marketing	(7) others	(8) all		
(1)								(9)	(10)
participation in training	719	275	0	0	0	6	1000	229	18
krishi vigyan kendra	592	161	232	0	15	0	1000	393	21
extension worker	769	113	104	0	0	15	1000	759	48
television	635	187	148	17	0	13	1000	1096	81
radio	478	223	117	33	4	145	1000	1382	96
newspaper	572	123	89	11	105	100	1000	1019	75
village fair	640	0	0	360	0	0	1000	87	3
government demonstration	577	154	94	0	22	154	1000	364	22
input dealer	796	92	41	0	9	61	1000	2946	133
other progressive farmers	630	192	46	0	10	121	1000	2329	115
farmer's study tour	73	927	0	0	0	0	1000	20	2
para technician/private agency/NGO	0	0	1000	0	0	0	1000	89	3
primary cooperative society	298	370	0	74	0	258	1000	549	43
output buyer/food processor	0	891	109	0	0	0	1000	43	2
credit agency	460	109	0	256	114	61	1000	767	33
others	903	0	97	0	0	0	1000	189	7
any source	787	223	96	42	35	107	1000	7528	413
estd. no. of hhs ('00)	5926	1682	724	316	264	807	7528	-	-
sample no. of hhs	322	98	56	19	13	46	413	-	-

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

Sikkim	source	no. per 1000 of households receiving information on cultivation								estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		
	(1)										(10)
	participation in training	357	0	643	0	0	0	0	1000	3	5
	krishi vigyanendra	1000	0	0	0	0	0	0	1000	0	1
	extension worker	432	316	94	0	127	31	31	1000	179	186
	television	68	722	206	0	0	4	4	1000	29	41
	radio	60	283	270	0	373	13	13	1000	51	55
	newspaper	166	245	577	0	0	12	12	1000	4	8
	village fair	739	123	138	0	0	0	0	1000	13	14
	government demonstration	342	437	31	0	10	180	180	1000	21	36
	input dealer	0	0	937	0	0	63	63	1000	2	2
	other progressive farmers	1000	0	0	0	0	0	0	1000	0	1
	farmer's study tour	-	-	-	-	-	-	-	-	-	0
	para technician/private agency/NGO	0	0	16	0	0	984	984	1000	11	18
	primary cooperative society	454	479	67	0	0	0	0	1000	24	26
	output buyer/food processor	4	143	94	0	699	60	60	1000	29	34
	credit agency	0	0	0	0	0	1000	1000	1000	0	1
	others	-	-	-	-	-	-	-	-	-	0
	any source	426	451	184	0	254	86	86	1000	244	259
	estd. no. of hhs ('00)	104	110	45	0	62	21	21	244	-	-
	sample no. of hhs	121	112	53	0	75	28	28	259	-	-

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	no. per 1000 of households receiving information on cultivation										sample no. of hhs receiving information on cultivation
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
	improved seed/ variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all	estd. no. of hhs receiving information on cultivation ('00)			
participation in training	500	218	82	24	69	105	1000	1548		78	
krishi vigyan kendra	21	18	808	0	0	152	1000	51		6	
extension worker	533	266	184	1	8	9	1000	4664		245	
television	374	326	143	7	95	56	1000	7154		481	
radio	320	329	238	4	62	48	1000	5890		397	
newspaper	221	217	208	45	266	43	1000	5274		357	
village fair	452	314	187	7	36	4	1000	493		46	
government demonstration	313	250	276	20	121	20	1000	1110		77	
input dealer	258	423	149	0	165	5	1000	3482		182	
other progressive farmers	188	371	209	3	199	31	1000	6801		388	
farmer's study tour	228	186	76	55	21	433	1000	153		11	
para technician/private agency/NGO	532	6	112	11	322	17	1000	232		23	
primary cooperative society	307	330	41	2	138	182	1000	3015		201	
output buyer/food processor	21	10	11	0	912	46	1000	1571		87	
credit agency	28	16	1	1	663	292	1000	991		49	
others	14	12	0	0	872	102	1000	858		30	
any source	509	570	312	21	242	88	1000	17918		1100	
estd. no. of hhs ('00)	9123	10210	5586	372	4336	1584	17918	-		-	
sample no. of hhs	557	621	352	26	230	124	1100	-		-	

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	no. per 1000 of households receiving information on cultivation										estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
	improved seed/variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all					
participation in training	207	372	356	0	0	65	1000	36	24			
krishi vigyan kendra	0	1000	0	0	0	0	1000	3	1			
extension worker	12	749	239	0	0	0	1000	40	31			
television	571	216	170	0	0	42	1000	87	41			
radio	555	298	135	0	7	6	1000	174	72			
newspaper	398	329	242	0	15	16	1000	77	35			
village fair	485	154	361	0	0	0	1000	25	18			
government demonstration	254	597	121	0	0	28	1000	87	47			
input dealer	0	1000	0	0	0	0	1000	1	1			
other progressive farmers	0	0	1000	0	0	0	1000	12	4			
farmer's study tour	274	726	0	0	0	0	1000	1	2			
para technician/private agency/NGO	-	-	-	-	-	-	-	-	0			
primary cooperative society	165	497	64	250	25	0	1000	60	28			
output buyer/food processor	0	0	0	1000	0	0	1000	1	1			
credit agency	0	1000	0	0	0	0	1000	1	1			
others	-	-	-	-	-	-	-	-	0			
any source	521	465	282	45	8	27	1000	376	168			
estd. no. of hhs ('00)	196	175	106	17	3	10	376	-	-			
sample no. of hhs	85	89	47	11	2	11	168	-	-			

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

Uttar Pradesh		no. per 1000 of households receiving information on cultivation										sample no. of hhs receiving information on cultivation
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
source	improved seed/variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all	estd. no. of hhs receiving information on cultivation ('00)				
participation in training	474	412	34	0	0	80	1000	569		32		
krishi vigyan kendra	769	0	231	0	0	0	1000	470		22		
extension worker	780	147	31	17	12	14	1000	1504		65		
television	645	169	105	6	22	52	1000	10373		478		
radio	601	219	142	2	9	26	1000	24036		945		
newspaper	495	177	101	12	79	136	1000	6110		296		
village fair	350	213	164	106	111	56	1000	2541		105		
government demonstration	628	233	42	69	28	0	1000	1087		54		
input dealer	481	329	149	1	39	2	1000	13650		549		
other progressive farmers	525	282	93	11	55	35	1000	30250		1132		
farmer's study tour	364	532	104	0	0	0	1000	259		16		
para technician/private agency/NGO	668	18	71	37	206	0	1000	500		26		
primary cooperative society	411	472	28	0	17	72	1000	3939		153		
output buyer/food processor	388	187	38	0	387	0	1000	1763		68		
credit agency	207	137	64	79	117	396	1000	678		31		
others	388	141	43	5	165	258	1000	3086		114		
any source	720	421	185	17	70	65	1000	55501		2145		
estd. no. of hhs ('00)	39955	23340	10245	945	3884	3610	55501	-		-		
sample no. of hhs	1577	893	411	43	163	138	2145	-		-		

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

source	no. per 1000 of households receiving information on cultivation										estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)			
	improved seed/ variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all					
participation in training	739	0	125	0	0	136	1000	214	12			
krishi vigyan kendra	-	-	-	-	-	-	-	-	0			
extension worker	1000	0	0	0	0	0	1000	107	2			
television	702	23	167	0	0	107	1000	404	20			
radio	405	139	274	0	161	22	1000	208	9			
newspaper	372	628	0	0	0	0	1000	20	2			
village fair	-	-	-	-	-	-	-	-	0			
government demonstration	961	0	0	0	0	39	1000	118	4			
input dealer	739	178	83	0	0	0	1000	694	34			
other progressive farmers	867	65	32	0	0	36	1000	1891	78			
farmer's study tour	-	-	-	-	-	-	-	-	0			
para technician/private agency/NGO	1000	0	0	0	0	0	1000	19	3			
primary cooperative society	300	510	0	0	0	190	1000	24	4			
output buyer/food processor	0	0	0	0	0	1000	1000	5	1			
credit agency	1000	0	0	0	0	0	1000	7	1			
others	1000	0	0	0	0	0	1000	7	1			
any source	826	97	84	0	13	53	1000	2579	113			
estd. no. of hhs ('00)	2130	249	217	0	33	137	2579	-	-			
sample no. of hhs	81	19	14	0	2	7	113	-	-			



Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

West Bengal		no. per 1000 of households receiving information on cultivation										estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation		
source	(1)	improved seed/variety		fertilizer application		plant protection		farm machinery		harvesting / marketing				others	
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)					
participation in training	315	304	82	12	0	287	1000	647	45						
krishi vigyan kendra	500	13	0	12	0	476	1000	187	11						
extension worker	376	422	70	12	43	77	1000	2811	164						
television	336	358	149	1	5	150	1000	4025	266						
radio	383	340	184	10	2	81	1000	13843	746						
newspaper	237	298	229	43	36	156	1000	3782	238						
village fair	163	419	276	36	41	65	1000	2649	151						
government demonstration	318	301	109	50	38	184	1000	1266	62						
input dealer	269	518	165	3	0	43	1000	24355	1305						
other progressive farmers	335	334	232	10	34	55	1000	16686	876						
farmer's study tour	0	190	15	0	0	795	1000	105	6						
para technician/private agency/NGO	57	407	317	0	31	188	1000	446	21						
primary cooperative society	327	294	129	0	31	220	1000	1256	49						
output buyer/food processor	122	62	2	0	708	106	1000	1239	61						
credit agency	579	69	24	0	12	317	1000	349	23						
others	441	238	173	8	0	140	1000	1393	83						
any source	480	614	308	18	47	85	1000	40839	2198						
estd. no. of hhs ('00)	19620	25078	12579	751	1926	3490	40839	-	-						
sample no. of hhs	1092	1346	634	41	117	193	2198	-	-						

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

Group of UTs	no. per 1000 of households receiving information on cultivation										estd. no. of hhs receiving information on cultivation ('00)	sample no. of hhs receiving information on cultivation
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
source	improved seed/variety	fertilizer application	plant protection	farm machinery	harvesting / marketing	others	all					
participation in training	51	118	0	11	133	687	1000	38	15			
krishi vighyan kendra	9	16	105	0	583	287	1000	30	7			
extension worker	284	88	365	0	0	262	1000	55	21			
television	166	167	263	0	214	190	1000	88	64			
radio	31	23	705	0	155	86	1000	52	39			
newspaper	24	13	302	14	460	188	1000	56	30			
village fair	0	0	0	161	92	747	1000	7	4			
government demonstration	10	218	585	0	0	186	1000	46	26			
input dealer	603	134	48	0	0	216	1000	51	24			
other progressive farmers	269	251	184	0	29	268	1000	159	95			
farmer's study tour	0	724	0	0	0	276	1000	0	2			
para technician/private agency/NGO	27	0	0	0	0	973	1000	18	4			
primary cooperative society	82	166	198	1	7	547	1000	38	20			
output buyer/food processor	4	0	0	0	680	316	1000	67	23			
credit agency	0	1	0	0	0	999	1000	29	11			
others	0	0	0	0	0	1000	1000	9	3			
any source	358	293	411	7	326	368	1000	304	186			
estd. no. of hhs ('00)	109	89	125	2	99	112	304	-	-			
sample no. of hhs	69	64	76	6	44	56	186	-	-			

Table 2: Per 1000 distribution of farmer households receiving information on modern technology for cultivation by type of information for each type of source

India	source	no. per 1000 of households receiving information on cultivation										estd. no. of hhs receiving information on cultivation ( <sup>'00</sup> )	sample no. of hhs receiving information on cultivation (10)
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)			
		536	214	96	10	38	107	1000	7310	572			
	participation in training	536	214	96	10	38	107	1000	7310	572			
	krishi vigyan kendra	505	214	182	4	28	67	1000	5552	406			
	extension worker	550	259	143	11	16	20	1000	49323	2686			
	television	493	248	142	13	37	66	1000	77706	5218			
	radio	445	293	158	8	31	64	1000	109913	6930			
	newspaper	316	240	180	37	126	102	1000	57687	3925			
	village fair	309	244	167	60	115	105	1000	16264	1057			
	government demonstration	410	246	192	33	49	70	1000	17025	1115			
	input dealer	391	412	139	4	25	28	1000	114481	5797			
	other progressive farmers	396	313	151	10	72	58	1000	140178	6998			
	farmer's study tour	415	212	106	37	15	214	1000	1700	139			
	para technician/private												
	agency/NGO	358	254	211	17	62	99	1000	4035	289			
	primary cooperative society	348	370	45	4	97	135	1000	29555	1590			
	output buyer/food processor	189	105	41	0	558	107	1000	18512	1076			
	credit agency	151	126	26	56	155	486	1000	13422	733			
	others	301	237	128	9	136	189	1000	12259	646			
	any source	596	494	240	26	107	98	1000	346421	19542			
	estd. no. of hhs ( <sup>'00</sup> )	206575	171233	83115	8853	37030	33844	346421	-	-			
	sample no. of hhs	11168	9549	5050	537	2251	2131	19542	-	-			

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry	
	(1)	(2)	(3)	(4)	(5)	(6)			(7)
participation in training	0	0	280	0	720	0	1000	22	2
krishi vigyan kendra	-	-	-	-	-	-	-	-	0
extension worker	0	0	0	455	0	545	1000	44	4
television	765	202	20	20	0	13	1000	226	16
radio	0	0	0	1000	0	0	1000	6	2
newspaper	969	31	0	0	0	0	1000	82	5
village fair	1000	0	0	0	0	0	1000	5	2
government demonstration	119	44	837	0	0	0	1000	45	9
input dealer	0	748	220	32	0	0	1000	174	16
other progressive farmers	284	111	555	42	7	0	1000	962	71
farmer's study tour	-	-	-	-	-	-	-	-	0
para technician/private agency/NGO	0	0	0	1000	0	0	1000	10	2
primary cooperative society	162	0	0	0	0	838	1000	82	5
output buyer/food processor	0	0	0	0	0	1000	1000	3	1
credit agency	0	737	0	0	0	263	1000	23	2
others	0	0	0	1000	0	0	1000	88	6
any source	318	177	421	36	65	0	1000	1717	134
estd. no. of hhs ('00)	546	304	722	61	111	0	1717	-	-
sample no. of hhs	27	29	70	4	9	0	134	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry							estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry
	(2) breeding	(3) feeding	(4) health care	(5) management	(6) others	(7) all	(8)		
(1)									
participation in training	1000	0	0	0	0	1000	2	1	
krishi vigyan kendra	-	-	-	-	-	-	-	0	
extension worker	-	-	-	-	-	-	-	0	
television	68	63	401	0	468	1000	96	8	
radio	238	54	417	0	291	1000	192	12	
newspaper	43	85	592	28	251	1000	120	11	
village fair	-	-	-	-	-	-	-	0	
government demonstration	0	1000	0	0	0	1000	8	2	
input dealer	0	0	0	0	1000	1000	4	1	
other progressive farmers	267	0	733	0	0	1000	53	2	
farmer's study tour	1000	0	0	0	0	1000	2	1	
para technician/private agency/NGO	-	-	-	-	-	-	-	0	
primary cooperative society	0	0	0	0	1000	1000	32	2	
output buyer/food processor	0	0	0	0	1000	1000	45	4	
credit agency	0	0	0	102	898	1000	33	2	
others	0	0	1000	0	0	1000	5	1	
any source	191	86	560	8	197	1000	371	30	
estd. no. of hhs ('00)	71	32	208	3	73	371	-	-	
sample no. of hhs	7	6	13	1	7	30	-	-	

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

Bihar	source (1)	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry (‘00) (8)	sample no. of hhs receiving information on animal husbandry (9)
		breeding (2)	feeding (3)	health care (4)	management (5)	others (6)	all (7)		
	participation in training	-	-	-	-	-	-	-	0
	krishi vigyan kendra	-	-	-	-	-	-	-	0
	extension worker	0	0	1000	0	0	1000	8	1
	television	0	304	639	0	56	1000	150	10
	radio	84	124	724	25	44	1000	451	22
	newspaper	28	730	62	0	180	1000	62	6
	village fair	367	0	0	0	633	1000	45	4
	government demonstration	0	0	0	1000	0	1000	2	1
	input dealer	0	385	553	0	62	1000	199	14
	other progressive farmers	132	335	455	78	0	1000	159	7
	farmer's study tour	-	-	-	-	-	-	-	0
	para technician/private	-	-	-	-	-	-	-	-
	agency/NGO	0	0	0	1000	0	1000	48	1
	primary cooperative society	-	-	-	-	-	-	-	0
	output buyer/food processor	-	-	-	-	-	-	-	0
	credit agency	-	-	-	-	-	-	-	0
	others	25	268	216	0	491	1000	240	13
	any source	73	262	527	64	156	1000	1143	62
	estd. no. of hhs (‘00)	83	299	602	73	178	1143	-	-
	sample no. of hhs	8	19	34	4	8	62	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry	
	(1)	(2)	(3)	(4)	(5)	(6)			(7)
participation in training	-	-	-	-	-	-	-	-	0
krishi vigyan kendra	0	0	0	1000	0	0	0	1000	39
extension worker	255	434	98	98	0	213	0	1000	279
television	369	0	333	333	299	0	0	1000	441
radio	849	0	96	96	55	0	0	1000	57
newspaper	231	740	29	29	0	0	0	1000	95
village fair	-	-	-	-	-	-	-	-	-
government demonstration	0	0	0	1000	0	0	0	1000	31
input dealer	0	1000	0	0	0	0	0	1000	108
other progressive farmers	115	152	546	546	188	0	0	1000	601
farmer's study tour	-	-	-	-	-	-	-	-	-
para technician/private agency/NGO	-	-	-	-	-	-	-	-	-
primary cooperative society	11	627	0	0	80	283	0	1000	128
output buyer/food processor	0	1000	0	0	0	0	0	1000	20
credit agency	0	1000	0	0	0	0	0	1000	16
others	119	0	881	881	0	0	0	1000	863
any source	194	232	615	615	125	46	0	1000	2065
estd. no. of hhs ('00)	401	480	1269	1269	258	96	0	2065	-
sample no. of hhs	39	35	64	64	12	4	0	121	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry
	(1)	(2)	(3)	(4)	(5)	(6)		
participation in training	-	-	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	-	-	0
extension worker	-	-	-	-	-	-	-	0
television	463	194	343	0	0	0	130	5
radio	423	107	470	0	0	0	98	4
newspaper	124	0	395	481	0	0	125	3
village fair	1000	0	0	0	0	0	58	2
government demonstration	-	-	-	-	-	-	-	0
input dealer	-	-	-	-	-	-	-	0
other progressive farmers	-	-	-	-	-	-	-	6
farmer's study tour	-	-	-	-	-	-	-	0
para technician/private	-	-	-	-	-	-	-	-
agency/NGO	0	0	1000	0	0	0	74	2
primary cooperative society	-	-	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	-	-	0
credit agency	0	0	0	0	0	1000	18	1
others	-	-	-	-	-	-	-	0
any source	315	106	465	227	32	1000	555	21
estd. no. of hhs ('00)	175	59	258	126	18	555	-	-
sample no. of hhs	5	4	10	3	1	21	-	-



Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry	
	(1)	(2)	(3)	(4)	(5)	(6)			(7)
participation in training		1000	0	0	0	0	1000	3	1
krishi vigyan kendra		0	1000	0	0	0	1000	3	1
extension worker		-	-	-	-	-	-	-	0
television		761	0	0	0	239	1000	22	3
radio		-	-	-	-	-	-	-	0
newspaper		0	0	0	0	1000	1000	17	1
village fair		-	-	-	-	-	-	-	0
government demonstration		-	-	-	-	-	-	-	0
input dealer		-	-	-	-	-	-	-	0
other progressive farmers		207	793	0	0	0	1000	26	6
farmer's study tour		-	-	-	-	-	-	-	0
para technician/private agency/NGO		-	-	-	-	-	-	-	0
primary cooperative society		-	-	-	-	-	-	-	0
output buyer/food processor		-	-	-	-	-	-	-	0
credit agency		-	-	-	-	-	-	-	0
others		0	0	0	0	1000	1000	2	1
any source		351	324	0	0	324	1000	74	13
estd. no. of hhs ('00)		26	24	0	0	24	74	-	-
sample no. of hhs		5	5	0	0	3	13	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry	
	(1)	(2)	(3)	(4)	(5)	(6)			(7)
participation in training	-	-	-	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	-	-	-	0
extension worker	0	0	0	0	0	1000	1000	9	1
television	140	0	0	415	0	444	1000	31	6
radio	214	37	37	286	149	314	1000	82	16
newspaper	488	0	0	512	0	0	1000	5	2
village fair	-	-	-	-	-	-	-	-	0
government demonstration	1000	0	0	0	0	0	1000	59	2
input dealer	-	-	-	-	-	-	-	-	0
other progressive farmers	-	-	-	-	-	-	-	-	0
farmer's study tour	-	-	-	-	-	-	-	-	0
para technician/private	-	-	-	-	-	-	-	-	0
agency/NGO	0	0	0	0	1000	0	1000	5	1
primary cooperative society	-	-	-	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	-	-	-	0
credit agency	-	-	-	-	-	-	-	-	0
others	-	-	-	-	-	-	-	-	0
any source	471	18	18	229	100	206	1000	170	25
estd. no. of hhs ('00)	80	3	3	39	17	35	170	-	-
sample no. of hhs	10	2	2	8	3	3	25	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry
	(1)	(2)	(3)	(4)	(5)	(6)		
participation in training	-	-	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	-	-	0
extension worker	-	-	-	-	-	-	-	0
television	290	0	0	710	0	0	1000	3
radio	132	0	0	66	0	803	1000	6
newspaper	0	0	0	0	0	1000	1000	2
village fair	0	0	0	0	0	1000	1000	2
government demonstration	-	-	-	-	-	-	-	0
input dealer	0	0	0	0	0	1000	1000	2
other progressive farmers	0	0	824	0	0	176	1000	2
farmer's study tour	-	-	-	-	-	-	-	0
para technician/private agency/NGO	-	-	-	-	-	-	-	0
primary cooperative society	-	-	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	-	-	0
credit agency	-	-	-	-	-	-	-	0
others	-	-	-	-	-	-	-	0
any source	14	75	41	0	878	1000	147	15
estd. no. of hhs ('00)	2	11	6	0	129	147	-	-
sample no. of hhs	2	1	2	0	10	15	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry							estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry
	(2) breeding	(3) feeding	(4) health care	(5) management	(6) others	(7) all	(8)		
(1)									(9)
participation in training	747	0	253	0	0	0	1000	20	2
krishi vigyan kendra	0	0	0	0	1000	1000	1000	7	1
extension worker	-	-	-	-	-	-	-	-	0
television	418	0	130	0	452	1000	1000	169	7
radio	159	147	310	11	373	1000	1000	78	7
newspaper	38	0	783	180	0	1000	1000	92	4
village fair	-	-	-	-	-	-	-	-	0
government demonstration	0	0	1000	0	0	1000	1000	50	2
input dealer	148	150	340	214	148	1000	1000	15	6
other progressive farmers	830	120	50	0	0	1000	1000	109	5
farmer's study tour	-	-	-	-	-	-	-	-	0
para technician/private agency/NGO	0	0	1000	0	0	1000	1000	5	1
primary cooperative society	657	0	0	0	343	1000	1000	59	6
output buyer/food processor	0	0	337	294	369	1000	1000	15	5
credit agency	393	23	0	0	584	1000	1000	97	8
others	394	606	0	0	0	1000	1000	21	2
any source	433	68	263	41	263	1000	1000	617	38
estd. no. of hhs ('00)	267	42	162	25	162	617	617	-	-
sample no. of hhs	13	6	11	5	13	38	38	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

Kerala	source (1)	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ( <sup>'00</sup> ) (8)	sample no. of hhs receiving information on animal husbandry (9)
		breeding (2)	feeding (3)	health care (4)	management (5)	others (6)	all (7)		
	participation in training	69	624	258	0	48	1000	52	9
	krishi vigyan kendra	218	677	0	0	105	1000	31	7
	extension worker	528	410	0	0	62	1000	52	9
	television	277	240	464	19	0	1000	208	58
	radio	315	153	369	88	75	1000	644	116
	newspaper	245	277	345	18	116	1000	853	130
	village fair	481	45	474	0	0	1000	18	5
	government demonstration	0	416	168	416	0	1000	19	3
	input dealer	0	16	47	182	756	1000	82	11
	other progressive farmers	361	119	308	57	155	1000	462	49
	farmer's study tour	-	-	-	-	-	-	-	0
	para technician/private								
	agency/NGO	159	315	311	18	197	1000	50	11
	primary cooperative society	746	86	87	7	75	1000	116	18
	output buyer/food processor	87	245	6	373	289	1000	99	18
	credit agency	78	121	0	257	544	1000	65	9
	others	22	20	808	0	151	1000	110	15
	any source	412	267	427	84	134	1000	1652	255
	estd. no. of hhs ( <sup>'00</sup> )	681	441	706	138	221	1652	-	-
	sample no. of hhs	97	89	114	25	27	255	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry (9)	
	(1)	(2)	(3)	(4)	(5)	(6)			(7)
participation in training		0	0	319	681	0	1000	34	2
krishi vigyan kendra		-	-	-	-	-	-	-	0
extension worker		-	-	-	-	-	-	-	0
television	448	300	251	927	0	0	1000	110	7
radio	0	0	0	927	0	73	1000	70	3
newspaper	0	0	0	1000	0	0	1000	3	1
village fair	-	-	-	-	-	-	-	-	0
government demonstration	0	0	0	1000	0	0	1000	26	1
input dealer	-	-	-	-	-	-	-	-	0
other progressive farmers	0	0	0	1000	0	0	1000	48	1
farmer's study tour	-	-	-	-	-	-	-	-	0
para technician/private agency/NGO	-	-	-	-	-	-	-	-	0
primary cooperative society	-	-	-	-	-	-	-	-	0
output buyer/food processor	0	1000	0	0	0	0	1000	28	1
credit agency	0	0	0	0	1000	0	1000	81	2
others	0	0	0	0	0	1000	1000	11	2
any source	124	154	457	263	28	1000	396	17	17
estd. no. of hhs ('00)	49	61	181	104	11	396	-	-	-
sample no. of hhs	4	2	8	3	2	17	-	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry
	(2)	(3)	(4)	(5)	(6)	(7)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
participation in training	389	611	0	0	0	1000	20	3
krishi vigyan kendra	-	-	-	-	-	-	-	0
extension worker	169	0	0	0	831	1000	19	3
television	54	20	820	14	92	1000	241	22
radio	362	449	120	69	0	1000	172	13
newspaper	309	57	417	33	184	1000	253	16
village fair	565	28	379	0	29	1000	239	17
government demonstration	428	56	73	0	443	1000	33	5
input dealer	0	726	274	0	0	1000	19	3
other progressive farmers	102	8	20	832	39	1000	318	25
farmer's study tour	1000	0	0	0	0	1000	7	1
para technician/private agency/NGO	0	0	265	0	735	1000	20	3
primary cooperative society	0	0	0	1000	0	1000	4	3
output buyer/food processor	254	0	0	746	0	1000	16	3
credit agency	199	0	0	658	143	1000	163	9
others	383	0	17	0	599	1000	71	3
any source	335	93	321	322	119	1000	1239	97
estd. no. of hhs ('00)	415	115	398	399	147	1239	-	-
sample no. of hhs	35	11	32	23	12	97	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry	
	(1)	(2)	(3)	(4)	(5)	(6)			(7)
participation in training	-	-	-	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	-	-	-	0
extension worker	-	-	-	-	-	-	-	-	0
television	-	-	-	-	-	-	-	-	0
radio	582	0	313	42	62	1000	10	6	
newspaper	0	0	1000	0	0	1000	1	1	
village fair	-	-	-	-	-	-	-	0	
government demonstration	-	-	-	-	-	-	-	0	
input dealer	0	303	697	0	0	1000	4	6	
other progressive farmers	33	46	387	224	310	1000	23	14	
farmer's study tour	-	-	-	-	-	-	-	0	
para technician/private agency/NGO	0	0	0	1000	0	1000	2	1	
primary cooperative society	-	-	-	-	-	-	-	0	
output buyer/food processor	-	-	-	-	-	-	-	0	
credit agency	-	-	-	-	-	-	-	0	
others	0	0	1000	0	0	1000	4	2	
any source	162	54	541	216	216	1000	37	22	
estd. no. of hhs ('00)	6	2	20	8	8	37	-	-	
sample no. of hhs	3	5	14	6	2	22	-	-	



Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry							estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry
	(2) breeding	(3) feeding	(4) health care	(5) management	(6) others	(7) all	(8)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
participation in training	1000	0	0	0	0	1000	5	2	
krishi vigyan kendra	-	-	-	-	-	-	-	0	
extension worker	-	-	-	-	-	-	-	0	
television	720	251	8	0	21	1000	98	21	
radio	31	573	0	0	396	1000	68	18	
newspaper	843	25	132	0	0	1000	16	4	
village fair	-	-	-	-	-	-	-	0	
government demonstration	-	-	-	-	-	-	-	0	
input dealer	0	1000	0	0	0	1000	1	1	
other progressive farmers	599	323	79	0	0	1000	125	36	
farmer's study tour	-	-	-	-	-	-	-	0	
para technician/private agency/NGO	-	-	-	-	-	-	-	0	
primary cooperative society	144	856	0	0	0	1000	16	3	
output buyer/food processor	-	-	-	-	-	-	-	0	
credit agency	-	-	-	-	-	-	-	0	
others	-	-	-	-	-	-	-	0	
any source	571	380	49	0	109	1000	266	67	
estd. no. of hhs ('00)	152	101	13	0	29	266	-	-	
sample no. of hhs	33	28	5	0	11	67	-	-	

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry	
	(1)	(2)	(3)	(4)	(5)	(6)			(7)
participation in training		0	0	1000	0	0	1000	3	1
krishi vigyan kendra		-	-	-	-	-	-	-	0
extension worker		-	-	-	-	-	-	-	0
television		322	252	288	0	139	1000	19	13
radio		111	423	386	0	80	1000	19	14
newspaper		213	0	787	0	0	1000	12	6
village fair		0	0	1000	0	0	1000	2	1
government demonstration		0	454	546	0	0	1000	5	2
input dealer		-	-	-	-	-	-	-	0
other progressive farmers		-	-	-	-	-	-	-	0
farmer's study tour		-	-	-	-	-	-	-	0
para technician/private		-	-	-	-	-	-	-	0
agency/NGO		-	-	-	-	-	-	-	0
primary cooperative society		-	-	-	-	-	-	-	0
output buyer/food processor		-	-	-	-	-	-	-	0
credit agency		-	-	-	-	-	-	-	0
others		0	704	296	0	0	1000	5	3
any source		256	462	667	0	103	1000	39	25
estd. no. of hhs ('00)		10	18	26	0	4	39	-	-
sample no. of hhs		7	12	15	0	2	25	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry	
	(1)	(2)	(3)	(4)	(5)	(6)			(7)
participation in training	-	-	-	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	-	-	-	0
extension worker	0	0	0	1000	0	0	1000	2	1
television	111	0	0	0	0	889	1000	45	3
radio	0	0	0	0	0	1000	1000	40	2
newspaper	111	0	0	0	0	889	1000	45	3
village fair	0	0	0	0	0	1000	1000	24	2
government demonstration	0	0	0	0	0	0	0	0	0
input dealer	1000	0	0	0	0	0	1000	8	1
other progressive farmers	-	-	-	-	-	-	-	-	0
farmer's study tour	-	-	-	-	-	-	-	-	0
para technician/private agency/NGO	-	-	-	-	-	-	-	-	0
primary cooperative society	-	-	-	-	-	-	-	-	0
output buyer/food processor	208	0	0	0	0	792	1000	40	2
credit agency	665	0	0	0	335	0	1000	73	3
others	-	-	-	-	-	-	-	-	0
any source	554	0	0	18	214	500	1000	112	6
estd. no. of hhs ('00)	62	0	0	2	24	56	112	-	-
sample no. of hhs	3	0	0	1	2	3	6	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry							estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry
	(1)	(2)	(3)	(4)	(5)	(6)	(7)		
participation in training	0	613	387	0	0	0	1000	26	2
krishi vigyan kendra	-	-	-	-	-	-	-	-	0
extension worker	-	-	-	-	-	-	-	-	0
television	147	315	336	41	161	1000	1000	376	22
radio	162	0	524	59	255	1000	1000	219	9
newspaper	0	5	570	0	425	1000	1000	137	7
village fair	0	361	248	195	195	1000	1000	98	6
government demonstration	135	865	0	0	0	1000	1000	16	3
input dealer	0	374	0	0	626	1000	1000	31	2
other progressive farmers	613	351	36	0	0	1000	1000	33	4
farmer's study tour	-	-	-	-	-	-	-	-	0
para technician/private agency/NGO	-	-	-	-	-	-	-	-	0
primary cooperative society	113	45	136	0	705	1000	1000	84	7
output buyer/food processor	-	-	-	-	-	-	-	-	0
credit agency	76	30	91	15	788	1000	1000	126	10
others	0	0	0	0	1000	1000	1000	32	1
any source	158	250	429	71	315	1000	1000	688	40
estd. no. of hhs ('00)	109	172	295	49	217	688	688	-	-
sample no. of hhs	9	11	14	4	12	40	40	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry
	(2) breeding	(3) feeding	(4) health care	(5) management	(6) others	(7) all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
participation in training	-	-	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	-	-	0
extension worker	-	-	-	-	-	-	-	0
television	0	1000	0	0	0	1000	14	1
radio	851	6	143	0	0	1000	38	7
newspaper	46	378	576	0	0	1000	38	3
village fair	0	0	1000	0	0	1000	8	2
government demonstration	-	-	-	-	-	-	-	0
input dealer	-	-	-	-	-	-	-	0
other progressive farmers	347	0	653	0	0	1000	331	12
farmer's study tour	-	-	-	-	-	-	-	0
para technician/private agency/NGO	-	-	-	-	-	-	-	0
primary cooperative society	-	-	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	-	-	0
credit agency	0	1000	0	0	0	1000	7	1
others	1000	0	0	0	0	1000	2	1
any source	370	52	623	0	0	1000	403	23
estd. no. of hhs ('00)	149	21	251	0	0	403	-	-
sample no. of hhs	9	3	13	0	0	23	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry
	breeding	feeding	health care	management	others	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
participation in training	-	-	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	-	-	0
extension worker	131	0	630	0	239	1000	44	39
television	-	-	-	-	-	-	-	0
radio	-	-	-	-	-	-	-	0
newspaper	-	-	-	-	-	-	-	0
village fair	-	-	-	-	-	-	-	0
government demonstration	-	-	-	-	-	-	-	0
input dealer	-	-	-	-	-	-	-	0
other progressive farmers	-	-	-	-	-	-	-	0
farmer's study tour	-	-	-	-	-	-	-	0
para technician/private agency/NGO	-	-	-	-	-	-	-	0
primary cooperative society	-	-	-	-	-	-	-	0
output buyer/food processor	0	1000	0	0	0	1000	1	1
credit agency	0	0	0	0	1000	1000	0	1
others	-	-	-	-	-	-	-	0
any source	133	22	600	0	244	1000	45	41
estd. no. of hhs ('00)	6	1	27	0	11	45	-	-
sample no. of hhs	5	1	25	0	10	41	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry							estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry
	(2) breeding	(3) feeding	(4) health care	(5) management	(6) others	(7) all	(8)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
participation in training	237	0	151	612	0	1000	32	6	
krishi vigyan kendra	-	-	-	-	-	-	-	0	
extension worker	58	43	828	71	0	1000	522	62	
television	483	136	210	45	126	1000	473	73	
radio	122	504	299	29	47	1000	398	78	
newspaper	152	150	459	60	179	1000	241	41	
village fair	89	0	177	690	44	1000	84	10	
government demonstration	153	0	656	137	53	1000	216	23	
input dealer	0	26	340	519	115	1000	170	21	
other progressive farmers	247	189	466	75	24	1000	1339	163	
farmer's study tour	0	0	1000	0	0	1000	10	1	
para technician/private agency/NGO	10	18	971	2	0	1000	389	41	
primary cooperative society	81	151	519	66	183	1000	124	17	
output buyer/food processor	124	155	23	342	357	1000	182	19	
credit agency	164	47	70	228	491	1000	241	24	
others	189	0	294	262	255	1000	283	32	
any source	223	178	645	81	80	1000	3063	363	
estd. no. of hhs ('00)	683	546	1976	247	244	3063	-	-	
sample no. of hhs	94	93	229	32	31	363	-	-	

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry
	breeding	feeding	health care	management	others	all		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
participation in training	-	-	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	-	-	0
extension worker	-	-	-	-	-	-	-	0
television	-	-	-	-	-	-	-	0
radio	-	-	-	-	-	-	-	0
newspaper	0	0	1000	0	0	1000	2	1
village fair	-	-	-	-	-	-	-	0
government demonstration	189	0	112	0	699	1000	2	3
input dealer	-	-	-	-	-	-	-	0
other progressive farmers	-	-	-	-	-	-	-	0
farmer's study tour	-	-	-	-	-	-	-	0
para technician/private agency/NGO	-	-	-	-	-	-	-	0
primary cooperative society	0	0	1000	0	0	1000	0	1
output buyer/food processor	-	-	-	-	-	-	-	0
credit agency	-	-	-	-	-	-	-	0
others	-	-	-	-	-	-	-	0
any source	0	0	500	0	250	1000	4	5
estd. no. of hhs ('00)	0	0	2	0	1	4	-	-
sample no. of hhs	1	0	3	0	1	5	-	-



Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry (9)	
	(1)	(2)	(3)	(4)	(5)	(6)			(7)
participation in training		0	0	1000	0	0	1000	3	1
krishi vigyan kendra		-	-	-	-	-	-	-	0
extension worker		0	0	1000	0	0	1000	17	4
television		71	13	650	102	165	1000	216	10
radio		142	128	639	0	92	1000	782	39
newspaper		68	0	182	334	416	1000	120	7
village fair		406	0	0	0	594	1000	27	3
government demonstration		-	-	-	-	-	-	-	0
input dealer		0	1000	0	0	0	1000	17	1
other progressive farmers		94	125	780	0	0	1000	1958	81
farmer's study tour		-	-	-	-	-	-	-	0
para technician/private									
agency/NGO		1000	0	0	0	0	1000	10	1
primary cooperative society		1000	0	0	0	0	1000	23	1
output buyer/food processor		1000	0	0	0	0	1000	9	1
credit agency		0	0	1000	0	0	1000	17	1
others		0	70	149	76	705	1000	25	7
any source		131	131	753	23	42	1000	2810	128
estd. no. of hhs ('00)		367	367	2118	64	119	2810	-	-
sample no. of hhs		26	26	86	3	8	128	-	-

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source	no. per 1000 of households receiving information on animal husbandry							estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry
	(2) breeding	(3) feeding	(4) health care	(5) management	(6) others	(7) all	(8)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
participation in training	180	0	0	820	0	1000	6	2	
krishi vigyan kendra	-	-	-	-	-	-	-	0	
extension worker	0	0	1000	0	0	1000	1	1	
television	765	143	0	63	30	1000	78	5	
radio	409	421	33	101	36	1000	65	9	
newspaper	0	770	70	0	160	1000	14	3	
village fair	60	940	0	0	0	1000	35	4	
government demonstration	0	0	0	0	1000	1000	1	1	
input dealer	0	243	380	187	190	1000	32	8	
other progressive farmers	15	374	508	93	10	1000	202	22	
farmer's study tour	-	-	-	-	-	-	-	0	
para technician/private agency/NGO	-	-	-	-	-	-	-	0	
primary cooperative society	0	0	0	1000	0	1000	1	1	
output buyer/food processor	0	1000	0	0	0	1000	13	1	
credit agency	-	-	-	-	-	-	-	0	
others	20	39	235	591	115	1000	108	9	
any source	177	345	269	169	45	1000	531	56	
estd. no. of hhs ('00)	94	183	143	90	24	531	-	-	
sample no. of hhs	9	15	24	6	5	56	-	-	

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

Group of UTs	no. per 1000 of households receiving information on animal husbandry							estd. no. of hhs receiving information on animal husbandry ('00)	sample no. of hhs receiving information on animal husbandry (9)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)		
source	breeding	feeding	health care	management	others	all			
participation in training	461	0	255	0	285	1000	15	4	
krishi vigyan kendra	-	-	-	-	-	-	-	0	
extension worker	0	0	1000	0	0	1000	0	1	
television	160	0	377	0	463	1000	4	11	
radio	200	133	0	0	667	1000	2	4	
newspaper	0	0	20	0	980	1000	14	5	
village fair	0	0	0	0	1000	1000	13	3	
government demonstration	0	183	0	65	752	1000	16	4	
input dealer	0	1000	0	0	0	1000	12	1	
other progressive farmers	208	565	150	6	70	1000	38	13	
farmer's study tour	1000	0	0	0	0	1000	4	1	
para technician/private agency/NGO	0	0	1000	0	0	1000	1	2	
primary cooperative society	539	0	0	0	461	1000	7	3	
output buyer/food processor	622	43	0	7	329	1000	15	10	
credit agency	0	0	0	0	1000	1000	2	1	
others	0	32	968	0	0	1000	47	12	
any source	231	250	519	10	250	1000	104	44	
estd. no. of hhs ('00)	24	26	54	1	26	104	-	-	
sample no. of hhs	11	8	21	3	11	44	-	-	

Table 3: Per 1000 distribution of farmer households receiving information on modern technology for animal husbandry by type of information for each type of source

source (1)	no. per 1000 of households receiving information on animal husbandry						estd. no. of hhs receiving information on animal husbandry ( <sup>'00</sup> ) (8)	sample no. of hhs receiving information on animal husbandry (9)
	breeding (2)	feeding (3)	health care (4)	management (5)	others (6)	all (7)		
participation in training	215	272	218	257	38	1000	247	39
krishi vigyan kendra	80	289	475	0	155	1000	83	11
extension worker	136	163	527	51	123	1000	1015	155
television	334	143	337	64	123	1000	3167	335
radio	209	183	452	36	120	1000	3517	395
newspaper	203	185	358	66	187	1000	2382	270
village fair	345	108	211	109	228	1000	705	64
government demonstration	215	73	555	75	81	1000	532	68
input dealer	12	421	256	129	182	1000	917	105
other progressive farmers	202	147	538	93	20	1000	6965	574
farmer's study tour	514	0	377	0	109	1000	26	5
para technician/private								
agency/NGO	36	36	792	91	45	1000	618	68
primary cooperative society	278	187	127	35	374	1000	679	75
output buyer/food processor	128	234	20	236	381	1000	490	68
credit agency	179	68	47	299	406	1000	966	76
others	107	47	603	73	170	1000	1917	132
any source	244	181	520	93	107	1000	18304	1657
estd. no. of hhs ( <sup>'00</sup> )	4458	3309	9510	1702	1954	18304	-	-
sample no. of hhs	462	412	819	140	199	1657	-	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	0
extension worker	-	-	-	-	-	0
television	781	93	8	118	1000	10
radio	0	767	64	169	1000	4
newspaper	676	102	177	45	1000	9
village fair	831	169	0	0	1000	4
government demonstration	0	764	236	0	1000	3
input dealer	114	126	740	19	1000	17
other progressive farmers	179	354	52	415	1000	13
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	0
primary cooperative society	0	268	536	195	1000	4
output buyer/food processor	8	89	861	42	1000	14
credit agency	0	0	878	122	1000	5
others	565	435	0	0	1000	2
any source	341	163	495	159	1000	48
estd. no. of hhs (00)	265	127	385	124	778	-
sample no. of hhs	11	10	23	13	48	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	0	0	0	1000	35	9
krishi vighanendra	0	0	0	1000	35	9
extension worker	0	0	0	1000	35	9
television	0	0	0	1000	35	10
radio	0	0	0	1000	40	11
newspaper	0	0	0	1000	35	9
village fair	0	0	0	1000	35	9
government demonstration	0	0	0	1000	35	10
input dealer	0	0	0	1000	35	9
other progressive farmers	0	0	0	1000	35	10
farmers' study tour	0	0	0	1000	35	9
para technician/ private agency/NGO	0	28	0	972	36	10
primary cooperative society	0	0	0	1000	35	9
output buyer/food processor	0	0	0	1000	35	9
credit agency	0	0	0	1000	35	9
others	0	0	0	1000	35	10
any source	0	24	0	976	42	14
estd. no. of hhs (00)	0	1	0	41	-	-
sample no. of hhs	0	1	0	13	-	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)	
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)			all (6)
participation in training	0	0	0	1000	1000	12	1
krishi vigyan kendra	-	-	-	-	-	-	0
extension worker	0	0	0	1000	1000	27	4
television	0	0	383	617	1000	70	11
radio	30	508	63	399	1000	162	15
newspaper	0	41	205	754	1000	146	11
village fair	0	0	0	1000	1000	4	2
government demonstration	0	0	0	1000	1000	7	1
input dealer	0	0	0	1000	1000	37	2
other progressive farmers	190	76	117	617	1000	123	14
farmers' study tour	-	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	-	0
primary cooperative society	0	0	0	1000	1000	10	1
output buyer/food processor	0	0	0	1000	1000	10	1
credit agency	0	0	0	1000	1000	10	1
others	0	699	0	301	1000	48	4
any source	62	276	181	547	1000	453	43
estd. no. of hhs (00)	28	125	82	248	453	-	-
sample no. of hhs	4	6	8	26	43	-	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	0
extension worker	-	-	-	-	-	0
television	0	0	66	934	1000	4
radio	0	0	639	361	1000	8
newspaper	0	0	888	112	1000	4
village fair	23	0	543	434	1000	6
government demonstration	-	-	-	-	-	0
input dealer	0	0	0	1000	1000	1
other progressive farmers	0	0	0	1000	1000	8
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	0
primary cooperative society	0	0	0	1000	1000	3
output buyer/food processor	0	0	1000	0	1000	2
credit agency	0	0	755	245	1000	3
others	0	0	0	1000	1000	4
any source	5	0	354	646	1000	35
estd. no. of hhs (00)	3	0	231	422	653	-
sample no. of hhs	1	0	10	25	35	-



Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	-	-	-	-	-	0
krishi vigyan kendra	0	0	0	1000	5	1
extension worker	0	0	0	1000	12	2
television	959	0	0	41	67	2
radio	-	-	-	-	-	0
newspaper	0	0	4	996	251	9
village fair	-	-	-	-	-	0
government demonstration	-	-	-	-	-	0
input dealer	-	-	-	-	-	0
other progressive farmers	0	47	0	953	36	3
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	0
primary cooperative society	0	0	168	832	101	4
output buyer/food processor	0	0	928	72	122	5
credit agency	0	0	491	509	220	5
others	-	-	-	-	-	0
any source	90	3	328	710	708	28
estd. no. of hhs (00)	64	2	232	503	-	-
sample no. of hhs	1	1	9	18	28	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	-	-	-	-	-	0
krishi vigyan kendra	0	0	0	1000	1000	1
extension worker	-	-	-	-	-	0
television	0	0	207	793	1000	3
radio	0	0	341	659	1000	2
newspaper	0	0	0	1000	1000	1
village fair	-	-	-	-	-	0
government demonstration	0	0	0	1000	1000	1
input dealer	-	-	-	-	-	0
other progressive farmers	-	-	-	-	-	0
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	0
primary cooperative society	0	0	0	1000	1000	4
output buyer/food processor	-	-	-	-	-	0
credit agency	0	0	0	1000	1000	5
others	-	-	-	-	-	0
any source	0	0	27	973	1000	8
estd. no. of hhs (00)	0	0	4	145	149	-
sample no. of hhs	0	0	1	7	8	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	0
extension worker	-	-	-	-	-	0
television	38	0	0	962	1000	7
radio	0	1000	0	0	1000	2
newspaper	-	-	-	-	-	0
village fair	0	0	0	1000	1000	1
government demonstration	0	0	0	1000	1000	1
input dealer	-	-	-	-	-	0
other progressive farmers	0	339	63	598	1000	3
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	0
primary cooperative society	0	0	0	1000	1000	9
output buyer/food processor	-	-	-	-	-	0
credit agency	0	0	0	1000	1000	11
others	-	-	-	-	-	0
any source	9	86	5	901	1000	25
estd. no. of hhs (00)	2	19	1	200	222	-
sample no. of hhs	1	3	1	20	25	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	0
extension worker	-	-	-	-	-	0
television	0	0	951	49	1000	12
radio	57	0	675	267	1000	17
newspaper	0	0	0	1000	1000	1
village fair	0	0	0	1000	1000	1
government demonstration	-	-	-	-	-	0
input dealer	-	-	-	-	-	0
other progressive farmers	0	0	0	1000	1000	1
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	0
primary cooperative society	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	0
credit agency	-	-	-	-	-	0
others	-	-	-	-	-	0
any source	54	0	620	326	1000	22
estd. no. of hhs (00)	12	0	137	72	221	-
sample no. of hhs	1	0	10	11	22	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery			estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)	
	seed production (2)	harvesting (3)	management and marketing (4)			others (5)
participation in training	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	0
extension worker	-	-	-	-	-	0
television	-	-	-	-	-	0
radio	0	0	0	1000	1000	190
newspaper	0	0	0	1000	1000	31
village fair	0	0	0	1000	1000	57
government demonstration	-	-	-	-	-	0
input dealer	0	0	0	1000	1000	5
other progressive farmers	0	0	0	1000	1000	154
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	0
primary cooperative society	-	-	-	-	-	0
output buyer/food processor	0	0	0	1000	1000	24
credit agency	0	0	317	683	1000	59
others	-	-	-	-	-	0
any source	0	0	46	954	1000	412
estd. no. of hhs (00)	0	0	19	393	412	-
sample no. of hhs	0	0	2	22	24	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)	
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)			all (6)
participation in training	0	0	1000	0	1000	24	1
krishi vigyan kendra	-	-	-	-	-	-	0
extension worker	0	0	1000	0	1000	7	1
television	0	0	0	1000	1000	124	6
radio	0	0	0	1000	1000	138	5
newspaper	0	169	191	640	1000	150	8
village fair	-	-	-	-	-	-	0
government demonstration	0	1000	0	0	1000	22	1
input dealer	0	0	0	1000	1000	8	1
other progressive farmers	0	0	0	1000	1000	22	3
farmers' study tour	-	-	-	-	-	-	0
para technician/ private agency/NGO	0	0	0	1000	1000	34	1
primary cooperative society	0	0	710	290	1000	155	7
output buyer/food processor	0	0	1000	0	1000	75	8
credit agency	0	0	289	711	1000	131	11
others	0	0	0	1000	1000	4	1
any source	0	63	368	622	1000	747	42
estd. no. of hhs (00)	0	47	275	465	747	-	-
sample no. of hhs	0	2	20	25	42	-	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	-	-	-	-	-	0
krishi vigyan kendra	0	0	726	274	1000	5
extension worker	0	0	0	1000	1000	2
television	233	0	767	0	1000	5
radio	0	308	247	445	1000	10
newspaper	12	0	531	457	1000	14
village fair	0	0	1000	0	1000	4
government demonstration	-	-	-	-	-	0
input dealer	-	-	-	-	-	0
other progressive farmers	0	51	759	190	1000	8
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	0
primary cooperative society	0	0	345	655	1000	6
output buyer/food processor	0	0	1000	0	1000	2
credit agency	0	0	0	1000	1000	4
others	0	0	0	1000	1000	2
any source	22	51	494	518	1000	45
estd. no. of hhs (00)	9	21	204	214	413	-
sample no. of hhs	3	4	24	19	45	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)	
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)			all (6)
participation in training	0	0	0	1000	1000	26	1
krishi vigyan kendra	-	-	-	-	-	-	0
extension worker	1000	0	0	0	1000	79	2
television	0	0	0	1000	1000	94	3
radio	0	0	192	808	1000	158	4
newspaper	0	0	0	1000	1000	37	3
village fair	-	-	-	-	-	-	0
government demonstration	0	1000	0	0	1000	14	2
input dealer	-	-	-	-	-	-	0
other progressive farmers	0	0	717	283	1000	107	3
farmers' study tour	-	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	-	0
primary cooperative society	0	0	1000	0	1000	21	1
output buyer/food processor	-	-	-	-	-	-	0
credit agency	0	0	309	691	1000	129	5
others	-	-	-	-	-	-	0
any source	147	26	313	513	1000	536	20
estd. no. of hhs (00)	79	14	168	275	536	-	-
sample no. of hhs	2	2	4	12	20	-	-



Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	0	0	0	1000	7	1
krishi vigyan kendra	-	-	-	-	-	0
extension worker	-	-	-	-	-	0
television	0	115	772	114	169	11
radio	0	261	679	60	106	6
newspaper	0	0	725	275	116	9
village fair	0	0	198	802	82	4
government demonstration	-	-	-	-	-	0
input dealer	0	0	0	1000	2	1
other progressive farmers	0	0	1000	0	139	9
farmers' study tour	0	0	1000	0	24	1
para technician/ private agency/NGO	0	0	0	1000	41	1
primary cooperative society	4	0	500	496	256	14
output buyer/food processor	0	0	1000	0	263	12
credit agency	0	0	198	802	42	6
others	-	-	-	-	-	0
any source	1	44	688	270	1063	59
estd. no. of hhs (00)	1	47	731	287	-	-
sample no. of hhs	1	2	40	18	-	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	0	0	0	1000	21	7
krishi vigyan kendra	-	-	-	-	-	0
extension worker	0	1000	0	0	6	1
television	-	-	-	-	-	0
radio	0	307	0	693	2	4
newspaper	0	0	0	1000	5	2
village fair	-	-	-	-	-	0
government demonstration	0	1000	0	0	1	1
input dealer	0	0	0	1000	1	1
other progressive farmers	33	0	967	0	20	11
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	0	0	0	1000	0	1
primary cooperative society	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	0
credit agency	-	-	-	-	-	0
others	1000	0	0	0	1	1
any source	35	140	351	509	57	27
estd. no. of hhs (00)	2	8	20	29	-	-
sample no. of hhs	2	3	10	14	-	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	0
extension worker	0	0	0	1000	0	1
television	101	0	0	899	24	11
radio	0	0	0	1000	34	14
newspaper	0	0	0	1000	3	4
village fair	-	-	-	-	-	0
government demonstration	0	0	0	1000	0	1
input dealer	0	0	792	208	5	2
other progressive farmers	0	0	0	1000	10	1
farmers' study tour	0	0	0	1000	0	1
para technician/ private agency/NGO	-	-	-	-	-	0
primary cooperative society	-	-	-	-	-	0
output buyer/food processor	0	0	0	1000	0	1
credit agency	0	0	0	1000	20	3
others	-	-	-	-	-	0
any source	28	0	56	972	72	25
estd. no. of hhs (00)	2	0	4	70	-	-
sample no. of hhs	1	0	1	24	25	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	0	0	0	1000	40	1
krishi vigyan kendra	-	-	-	-	-	0
extension worker	-	-	-	-	-	0
television	0	0	0	1000	94	2
radio	0	0	59	941	73	6
newspaper	0	0	248	752	129	4
village fair	-	-	-	-	-	0
government demonstration	-	-	-	-	-	0
input dealer	-	-	-	-	-	0
other progressive farmers	-	-	-	-	-	0
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	0
primary cooperative society	0	0	0	1000	144	6
output buyer/food processor	0	0	1000	0	1	1
credit agency	0	0	0	1000	28	2
others	0	0	41	959	28	2
any source	0	0	75	925	464	19
estd. no. of hhs (00)	0	0	35	429	-	-
sample no. of hhs	0	0	3	16	19	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	0
extension worker	-	-	-	-	-	0
television	0	0	134	866	133	9
radio	-	-	-	-	-	0
newspaper	0	0	404	596	66	2
village fair	0	0	0	1000	58	2
government demonstration	0	0	1000	0	1	1
input dealer	-	-	-	-	-	0
other progressive farmers	-	-	-	-	-	0
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	0
primary cooperative society	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	0
credit agency	0	0	0	1000	66	2
others	-	-	-	-	-	0
any source	0	0	158	842	284	14
estd. no. of hhs (00)	0	0	45	239	-	-
Sample no. of hhs	0	0	4	10	14	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	-	-	-	-	-	0
krishi vigyan kendra	-	-	-	-	-	0
extension worker	-	-	-	-	-	0
television	0	1000	0	0	7	1
radio	0	0	0	1000	92	3
newspaper	0	0	1000	0	32	3
village fair	-	-	-	-	-	0
government demonstration	1000	0	0	0	31	1
input dealer	0	0	0	1000	7	2
other progressive farmers	0	0	0	1000	139	3
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	0
primary cooperative society	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	0
credit agency	0	0	0	1000	6	1
others	0	0	0	1000	6	1
any source	99	22	102	774	314	14
estd. no. of hhs (00)	31	7	32	243	-	-
sample no. of hhs	1	1	3	9	14	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
participation in training	0	0	0	1000	2	1
krishi vigyan kendra	0	0	1000	0	1000	1
extension worker	-	-	-	-	-	0
television	0	1000	0	0	1000	1
radio	0	0	14	986	1000	2
newspaper	0	0	114	886	1000	6
village fair	0	0	375	625	1000	4
government demonstration	0	0	1000	0	1000	3
input dealer	0	0	1000	0	1000	2
other progressive farmers	0	0	403	597	1000	2
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	0	0	0	1000	11	1
primary cooperative society	0	0	755	245	1000	11
output buyer/food processor	0	0	845	155	1000	8
credit agency	0	0	458	542	1000	11
others	-	-	-	-	-	0
any source	0	20	441	553	1000	35
estd. no. of hhs (00)	0	6	134	168	304	-
sample no. of hhs	0	1	19	16	35	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)	
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)			all (6)
participation in training	0	0	0	1000	1000	1	1
krishi vigyan kendra	-	-	-	-	-	-	0
extension worker	-	-	-	-	-	-	0
television	697	0	303	0	1000	6	5
radio	-	-	-	-	-	-	0
newspaper	0	0	1000	0	1000	0	1
village fair	1000	0	0	0	1000	1	1
government demonstration	0	0	0	1000	1000	1	1
input dealer	-	-	-	-	-	-	0
other progressive farmers	-	-	-	-	-	-	0
farmers' study tour	-	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	-	0
primary cooperative society	411	0	234	355	1000	1	4
output buyer/food processor	-	-	-	-	-	-	0
credit agency	-	-	-	-	-	-	0
others	-	-	-	-	-	-	0
any source	556	0	222	222	1000	9	9
estd. no. of hhs (00)	5	0	2	2	9	-	-
sample no. of hhs	5	0	4	3	9	-	-



Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)		
Uttar Pradesh						
participation in training	0	0	0	1000	1000	1
krishi vigyan kendra	-	-	-	-	-	0
extension worker	-	-	-	-	-	0
television	0	0	0	1000	1000	2
radio	0	156	94	751	1000	11
newspaper	0	0	705	295	1000	14
village fair	0	0	0	1000	1000	1
government demonstration	-	-	-	-	-	0
input dealer	483	517	0	0	1000	2
other progressive farmers	646	0	0	354	1000	2
farmers' study tour	-	-	-	-	-	0
para technician/ private agency/NGO	0	0	1000	0	1000	1
primary cooperative society	0	0	1000	0	1000	2
output buyer/food processor	0	0	1000	0	1000	7
credit agency	0	0	1000	0	1000	1
others	0	401	162	437	1000	3
any source	123	107	401	369	1000	42
estd. no. of hhs (00)	107	93	349	321	870	-
sample no. of hhs	2	4	18	18	42	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)	
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)			all (6)
participation in training	100	851	33	16	1000	69	10
krishi vigyan kendra	1000	0	0	0	1000	8	1
extension worker	0	0	810	190	1000	20	3
television	97	217	106	581	1000	479	24
radio	45	384	173	398	1000	316	18
newspaper	10	188	410	392	1000	100	10
village fair	41	0	0	959	1000	50	2
government demonstration	0	408	592	0	1000	46	4
input dealer	762	0	223	15	1000	151	17
other progressive farmers	137	114	669	80	1000	183	19
farmers' study tour	-	-	-	-	-	-	0
para technician/ private agency/NGO	125	875	0	0	1000	50	2
primary cooperative society	0	45	470	485	1000	202	15
output buyer/food processor	0	479	521	0	1000	40	4
credit agency	0	103	419	478	1000	144	8
others	16	0	750	234	1000	68	6
any source	204	208	282	443	1000	1076	80
Oestd. no. of hhs (00)	219	224	303	477	1076	-	-
sample no. of hhs	21	14	31	27	80	-	-

Table 4: Per 1000 distribution of farmer households receiving information on modern technology for fishery by type of information for each type of source

source (1)	no. per 1000 of households receiving information on fishery				estd. no. of hhs receiving information on fishery (00) (7)	sample no. of hhs receiving information on fishery (8)	
	seed production (2)	harvesting (3)	management and marketing (4)	others (5)			all (6)
participation in training	28	241	109	622	1000	245	34
krishi vigyan kendra	71	0	147	782	1000	111	19
extension worker	272	22	79	628	1000	291	30
television	170	83	209	539	1000	1931	142
radio	15	156	217	612	1000	2020	156
newspaper	88	44	331	536	1000	1829	134
village fair	274	54	151	521	1000	665	45
government demonstration	116	395	266	223	1000	272	32
input dealer	268	111	465	156	1000	690	59
other progressive farmers	105	60	314	522	1000	1420	120
farmers' study tour	0	0	411	589	1000	59	11
para technician/ private agency/NGO	32	233	103	631	1000	192	18
primary cooperative society	1	8	366	625	1000	1390	100
output buyer/food processor	2	39	876	82	1000	1277	76
credit agency	0	9	373	618	1000	1590	97
others	17	177	169	637	1000	384	37
Any source	83	75	340	550	1000	10015	698
estd. no. of hhs (00)	830	748	3410	5509	10015	-	-
sample no. of hhs	57	58	247	380	698	-	-

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

source	no. per 1000 of households reporting quality of information received			(4)	(5)	(6)	(7)	(8)	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	(2)	(3)	(1)							
participation in training	502	433	65	0	1000	517	622	642	32	
krishi vigyan kendra	775	225	0	0	1000	603	822	142	8	
extension worker	458	520	22	0	1000	648	735	5412	260	
television	604	394	2	0	1000	549	547	7202	412	
radio	446	552	2	0	1000	494	505	2354	130	
newspaper	538	462	0	0	1000	475	525	3868	212	
village fair	538	451	10	0	1000	698	531	2438	88	
government demonstration	563	407	31	0	1000	596	614	3222	165	
input dealer	570	430	1	0	1000	761	863	18134	892	
other progressive farmers	549	444	7	0	1000	681	915	20560	1005	
farmers' study tour	685	315	0	0	1000	584	724	176	10	
para technician/ private agency/NGO	536	464	0	0	1000	469	656	541	28	
primary cooperative society	582	322	96	0	1000	786	674	1293	75	
output buyer/food processor	355	635	10	0	1000	643	488	2622	140	
credit agency	336	647	17	0	1000	477	393	3060	159	
others	811	189	0	0	1000	743	861	834	42	
estd. no. of hhs (00)	22510	20353	563	0	37831	-	-	-	-	
sample no. of hhs	1177	1011	24	0	1938	-	-	-	-	

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

source		no. per 1000 of households reporting quality of information received						no. per 1000 of households reporting 'information was tried'	no. per 1000 of households reporting adoption of recommendation	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source (10)
		good	satisfactory	poor	n.r.	all					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
participation in training	26	169	645	160	1000	195	170	102	44		
krishi vigyan kendra	0	0	802	198	1000	0	26	82	33		
extension worker	121	227	531	121	1000	321	336	124	50		
television	203	101	549	147	1000	174	194	118	48		
radio	375	270	278	78	1000	457	346	196	77		
newspaper	0	48	754	198	1000	0	59	82	33		
village fair	0	0	812	188	1000	0	26	81	32		
government demonstration	0	263	596	141	1000	194	257	115	50		
input dealer	0	0	812	188	1000	0	26	81	32		
other progressive farmers	187	27	639	148	1000	8	40	103	39		
farmers' study tour	52	0	770	178	1000	0	24	86	33		
para technician/ private agency/NGO	186	0	661	153	1000	186	207	100	40		
primary cooperative society	0	0	812	188	1000	0	26	81	32		
output buyer/food processor	0	0	812	188	1000	0	26	81	32		
credit agency	0	0	812	188	1000	0	26	81	32		
others	110	163	588	139	1000	262	270	110	45		
estd. no. of hhs (00)	128	117	82	20	280	-	-	-	-		
sample no. of hhs	42	60	26	15	118	-	-	-	-		

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

source	no. per 1000 of households reporting quality of information received			(5)	(6)	(7)	(8)	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	(2)	(3)	(4)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
participation in training	489	314	47	150	1000	506	425	302	23
krishi vigyan kendra	173	530	0	297	1000	0	0	152	11
extension worker	305	648	14	32	1000	632	746	1483	112
television	401	555	40	4	1000	564	531	2319	218
radio	364	603	33	0	1000	659	596	7246	573
newspaper	478	460	54	9	1000	648	631	2565	239
village fair	519	325	83	72	1000	676	526	1150	130
government demonstration	324	629	25	22	1000	643	544	1041	87
input dealer	284	614	79	23	1000	727	486	2003	156
other progressive farmers	248	665	82	6	1000	794	728	3977	306
farmers' study tour	480	139	300	81	1000	437	437	278	27
para technician/ private agency/NGO	318	472	116	94	1000	402	365	481	41
primary cooperative society	168	561	154	118	1000	255	165	384	31
output buyer/food processor	229	537	102	133	1000	442	69	947	92
credit agency	89	403	317	191	1000	20	63	237	22
others	398	319	169	114	1000	513	448	396	44
estd. no. of hhs (00)	4757	7680	814	140	11553	-	-	-	-
sample no. of hhs	410	599	71	18	945	-	-	-	-

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

source	no. per 1000 of households reporting quality of information received			(4)	(5)	(6)	(7)	(8)	(9)	(10)
	good	satisfactory	poor							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
participation in training	676	0	324	0	1000	676	195	18	4	
krishi vigyan kendra	376	624	0	0	1000	58	58	39	4	
extension worker	104	896	0	0	1000	35	269	285	16	
television	454	523	23	0	1000	511	572	2437	147	
radio	530	429	41	0	1000	609	611	12256	602	
newspaper	478	465	57	0	1000	488	491	4028	211	
village fair	235	731	35	0	1000	483	475	1741	88	
government demonstration	381	616	3	0	1000	594	511	324	22	
input dealer	592	398	10	0	1000	849	832	8795	505	
other progressive farmers	594	402	1	3	1000	907	872	7089	405	
farmers' study tour	891	109	0	0	1000	1000	1000	10	2	
para technician/ private agency/NGO	0	1000	0	0	1000	104	84	251	13	
primary cooperative society	5	989	7	0	1000	787	665	491	18	
output buyer/food processor	707	293	0	0	1000	884	846	1582	112	
credit agency	47	861	92	0	1000	261	261	376	21	
others	338	346	316	0	1000	752	524	1330	70	
estd. no. of hhs (00)	13407	11176	1229	20	22924	-	-	-	-	
sample no. of hhs	730	587	53	1	1226	-	-	-	-	

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Chhattisgarh	source	no. per 1000 of households reporting quality of information received				(5)	(6)	(7)	(8)	(9)	(10)
		(2)	(3)	(4)	(1)						
		good	satisfactory	poor	n.r.	all	no. per 1000 of households reporting 'information was tried'	no. per 1000 of households reporting adoption of recommendation	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
	participation in training	501	499	0	0	1000	498	498	222	10	
	krishi vigyan kendra	840	160	0	0	1000	689	689	207	8	
	extension worker	386	600	14	0	1000	503	412	4288	182	
	television	635	324	41	0	1000	408	316	1157	61	
	radio	828	151	20	0	1000	326	297	954	44	
	newspaper	528	428	44	0	1000	639	535	443	29	
	village fair	683	317	0	0	1000	683	683	68	3	
	government demonstration	963	37	0	0	1000	628	625	394	21	
	input dealer	0	1000	0	0	1000	303	303	50	2	
	other progressive farmers	525	458	16	0	1000	659	603	908	49	
	farmers' study tour	1000	0	0	0	1000	1000	1000	26	1	
	para technician/ private agency/NGO	-	-	-	-	-	-	-	-	0	
	primary cooperative society	481	499	19	0	1000	811	642	1032	41	
	output buyer/food processor	420	580	0	0	1000	769	769	151	6	
	credit agency	362	582	56	0	1000	455	455	355	14	
	others	-	-	-	-	-	-	-	-	0	
	estd. no. of hhs (00)	3628	3678	127	0	6902	-	-	-	-	
	sample no. of hhs	162	158	6	0	300	-	-	-	-	



Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Gujarat

source (1)	no. per 1000 of households reporting quality of information received			no. per 1000 of households reporting 'information was tried'	no. per 1000 of households reporting adoption of recommendation	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source (10)		
	good (2)	satisfactory (3)	poor (4)						
				(5)	(6)	(7)	(8)	(9)	(10)
participation in training	780	220	0	0	1000	1000	1000	123	6
krishi vigyan kendra	543	457	0	0	1000	688	610	419	19
extension worker	603	394	3	0	1000	855	834	8305	280
television	737	263	0	0	1000	695	705	3950	154
radio	592	392	16	0	1000	608	537	2357	68
newspaper	564	403	32	0	1000	728	740	2556	111
village fair	958	42	0	0	1000	408	408	108	8
government demonstration	757	243	0	0	1000	775	821	1207	42
input dealer	734	262	4	0	1000	932	855	9211	294
other progressive farmers	664	335	1	0	1000	927	931	11336	374
farmers' study tour	980	20	0	0	1000	747	747	183	10
para technician/ private agency/NGO	482	518	0	0	1000	923	923	227	4
primary cooperative society	431	566	3	0	1000	830	702	3157	110
output buyer/food processor	314	686	0	0	1000	776	715	2002	78
credit agency	727	273	0	0	1000	757	744	636	30
others	568	431	1	0	1000	991	991	1217	30
estd. no. of hhs (00)	16048	10209	202	0	20886	-	-	-	-
sample no. of hhs	525	342	11	0	707	-	-	-	-

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

source	no. per 1000 of households reporting quality of information received			(4)	(5)	(6)	(7)	(8)	(9)	(10)
	good	satisfactory	poor							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
participation in training	550	450	0	0	1000	550	550	26	2	
krishi vigyan kendra	505	495	0	0	1000	717	712	170	7	
extension worker	598	209	193	0	1000	738	721	496	23	
television	595	405	0	0	1000	637	646	1752	97	
radio	654	346	0	0	1000	699	662	2177	92	
newspaper	608	350	42	0	1000	557	628	1557	74	
village fair	692	308	0	0	1000	701	701	247	11	
government demonstration	445	555	0	0	1000	410	403	149	13	
input dealer	541	459	0	0	1000	940	893	1841	91	
other progressive farmers	604	396	0	0	1000	916	815	3290	140	
farmers' study tour	1000	0	0	0	1000	0	0	18	1	
para technician/ private agency/NGO	774	226	0	0	1000	1000	774	89	4	
primary cooperative society	338	612	50	0	1000	850	728	749	38	
output buyer/food processor	362	578	60	0	1000	862	874	761	39	
credit agency	311	608	81	0	1000	969	805	710	29	
others	613	387	0	0	1000	688	953	39	6	
estd. no. of hhs (00)	4900	3483	279	0	7198	-	-	-	-	
sample no. of hhs	211	162	9	0	319	-	-	-	-	

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Himachal Pradesh	source	no. per 1000 of households reporting quality of information received				(6)	(7)	(8)	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
		(2) good	(3) satisfactory	(4) poor	(5) n.r.					
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	participation in training	559	393	48	0	1000	803	744	346	38
	krishi vigyan kendra	602	348	51	0	1000	879	860	326	41
	extension worker	563	437	0	0	1000	913	913	190	30
	television	639	333	28	0	1000	572	519	1547	188
	radio	647	317	36	0	1000	658	556	1266	162
	newspaper	574	378	48	0	1000	656	542	432	62
	village fair	421	579	0	0	1000	558	649	42	10
	government demonstration	405	595	0	0	1000	672	568	143	24
	input dealer	763	237	0	0	1000	991	991	360	46
	other progressive farmers	590	394	15	0	1000	937	893	1166	179
	farmers' study tour	1000	0	0	0	1000	1000	1000	2	1
	para technician/ private agency/NGO	0	1000	0	0	1000	1000	1000	7	1
	primary cooperative society	781	219	0	0	1000	918	822	696	80
	output buyer/food processor	343	657	0	0	1000	1000	888	219	23
	credit agency	676	324	0	0	1000	1000	1000	162	20
	others	902	98	0	0	1000	1000	1000	16	5
	estd. no. of hhs (00)	2842	1600	52	0	3786	-	-	-	-
	sample no. of hhs	377	203	6	0	495	-	-	-	-

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Jammu & Kashmir	source	no. per 1000 of households reporting quality of information received						no. per 1000 of households reporting 'information was tried'	no. per 1000 of households reporting adoption of recommendation	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
		(2)	(3)	(4)	(5)	(6)	(7)				
		good	satisfactory	poor	n.r.	all					
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
	participation in training	490	510	0	0	1000	220	220	58	6	
	krishi vigyan kendra	-	-	-	-	-	-	-	-	0	
	extension worker	180	820	0	0	1000	437	267	285	14	
	television	446	553	1	0	1000	634	674	2829	337	
	radio	366	631	3	0	1000	737	758	3427	436	
	newspaper	498	502	0	0	1000	558	509	181	32	
	village fair	391	609	0	0	1000	1000	781	20	3	
	government demonstration	966	34	0	0	1000	731	731	141	9	
	input dealer	84	916	0	0	1000	1000	1000	119	5	
	other progressive farmers	521	479	0	0	1000	1000	1000	64	10	
	farmers' study tour	-	-	-	-	-	-	-	-	0	
	para technician/ private agency/NGO	0	1000	0	0	1000	1000	1000	5	1	
	primary cooperative society	93	585	322	0	1000	607	607	25	5	
	output buyer/food processor	-	-	-	-	-	-	-	-	0	
	credit agency	-	-	-	-	-	-	-	-	0	
	others	0	1000	0	0	1000	0	1000	2	1	
	estd. no. of hhs (00)	2027	2674	20	0	4530	-	-	-	-	
	sample no. of hhs	204	307	5	0	503	-	-	-	-	

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Jharkhand	source (1)	no. per 1000 of households reporting quality of information received				(5)	(6)	(7)	(8)	(9)	(10)
		good (2)	satisfactory (3)	poor (4)	n.r. (5)						
	participation in training	781	219	0	0	1000	1000	1000	1000	72	7
	krishi vigyan kendra	75	925	0	0	1000	972	75	37	37	3
	extension worker	1000	0	0	0	1000	1000	1000	12	12	1
	television	310	662	28	0	1000	638	663	662	662	57
	radio	469	517	14	0	1000	409	368	4358	4358	238
	newspaper	362	626	12	0	1000	272	276	1313	1313	65
	village fair	518	457	26	0	1000	689	666	1119	1119	56
	government demonstration	802	198	0	0	1000	791	854	526	526	26
	input dealer	206	702	92	0	1000	879	849	880	880	41
	other progressive farmers	145	722	133	0	1000	640	488	2466	2466	136
	farmers' study tour	-	-	-	-	-	-	-	-	-	0
	para technician/ private agency/NGO	0	1000	0	0	1000	1000	1000	36	36	1
	primary cooperative society	0	1000	0	0	1000	0	0	1	1	1
	output buyer/food processor	250	750	0	0	1000	818	818	174	174	10
	credit agency	291	666	43	0	1000	361	242	181	181	10
	others	536	464	0	0	1000	846	778	618	618	39
	estd. no. of hhs (00)	3565	5045	484	0	8023	-	-	-	-	-
	sample no. of hhs	184	290	29	0	440	-	-	-	-	-

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

source	no. per 1000 of households reporting quality of information received			(4)	(5)	(6)	(7)	(8)	(9)	(10)
	good	satisfactory	poor							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
participation in training	376	521	103	0	1000	482	492	621	31	
krishi vigyan kendra	332	541	127	0	1000	705	698	439	22	
extension worker	480	397	123	0	1000	348	294	4663	206	
television	647	330	23	0	1000	374	359	4818	252	
radio	546	441	13	0	1000	458	370	5719	264	
newspaper	543	436	21	0	1000	488	431	3959	202	
village fair	143	782	75	0	1000	130	143	973	46	
government demonstration	328	558	114	0	1000	370	340	914	56	
input dealer	531	433	36	0	1000	739	710	6270	278	
other progressive farmers	536	451	13	0	1000	600	593	4610	222	
farmers' study tour	523	151	326	0	1000	243	255	151	7	
para technician/ private agency/NGO	172	818	10	0	1000	284	56	242	13	
primary cooperative society	471	493	37	0	1000	475	368	2745	119	
output buyer/food processor	186	690	123	0	1000	453	471	2157	91	
credit agency	465	318	217	0	1000	377	338	2842	113	
others	624	348	29	0	1000	687	496	1197	57	
estd. no. of hhs (00)	11295	9054	1630	0	17893	-	-	-	-	
sample no. of hhs	514	427	64	0	838	-	-	-	-	

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Kerala	source	no. per 1000 of households reporting quality of information received				no. per 1000 of households reporting 'information was tried'	no. per 1000 of households reporting adoption of recommendation	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
		good	satisfactory	poor	n.r.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
participation in training	638	335	27	0	1000	741	676	611	75
krishi vigyan kendra	658	311	31	0	1000	817	807	1834	164
extension worker	510	488	2	0	1000	752	744	824	81
television	606	386	8	0	1000	509	449	4950	524
radio	621	376	3	0	1000	549	483	6706	668
newspaper	623	367	10	0	1000	563	502	8299	836
village fair	478	502	20	0	1000	618	857	262	43
government demonstration	514	438	48	0	1000	606	570	648	50
input dealer	706	293	1	0	1000	854	757	616	66
other progressive farmers	577	414	9	0	1000	813	790	2858	274
farmers' study tour	415	585	0	0	1000	950	1000	79	7
para technician/ private agency/NGO	406	576	17	0	1000	882	862	241	29
primary cooperative society	611	335	55	0	1000	827	779	1404	138
output buyer/food processor	682	302	16	0	1000	657	677	944	103
credit agency	639	355	6	0	1000	720	647	1122	89
others	493	441	66	0	1000	786	566	496	56
estd. no. of hhs (00)	8697	6058	322	0	12730	-	-	-	-
sample no. of hhs	891	578	35	0	1294	-	-	-	-

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

source	no. per 1000 of households reporting quality of information received						no. per 1000 of households reporting 'information was tried'	no. per 1000 of households reporting adoption of recommendation	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	(1)	(2)	(3)	(4)	(5)	(6)				
participation in training	511	489	0	0	1000	618	549	204	14	
krishi vigyan kendra	615	385	0	0	1000	679	1000	286	11	
extension worker	421	579	0	0	1000	603	545	5665	277	
television	662	314	24	0	1000	539	591	4198	189	
radio	625	359	16	0	1000	560	548	5293	223	
newspaper	574	390	36	0	1000	451	522	2124	106	
village fair	592	408	0	0	1000	663	658	383	16	
government demonstration	323	677	0	0	1000	444	714	2027	82	
input dealer	519	479	2	0	1000	812	803	6449	256	
other progressive farmers	346	645	10	0	1000	817	804	12085	460	
farmers' study tour	403	597	0	0	1000	597	1000	62	3	
para technician/ private agency/NGO	0	1000	0	0	1000	0	680	50	2	
primary cooperative society	378	603	19	0	1000	777	813	4581	201	
output buyer/food processor	304	696	0	0	1000	839	681	1383	65	
credit agency	376	605	19	0	1000	664	687	1165	51	
others	431	569	0	0	1000	825	782	748	34	
estd. no. of hhs (00)	12775	17031	339	0	26184	-	-	-	-	
sample no. of hhs	566	677	13	0	1088	-	-	-	-	



Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Maharashtra	source	no. per 1000 of households reporting quality of information received						no. per 1000 of households reporting 'information was tried'	no. per 1000 of households reporting adoption of recommendation	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
		no. per 1000 of households reporting quality of information received			all						
		good	satisfactory	poor	n.r.	(5)	(6)				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
participation in training	520	480	0	0	1000	672	610	536	41		
krishi vigyan kendra	533	467	0	0	1000	611	504	347	25		
extension worker	483	507	10	0	1000	570	590	4989	300		
television	578	387	35	0	1000	381	465	13778	777		
radio	542	450	8	0	1000	260	408	8302	417		
newspaper	531	468	2	0	1000	408	504	9616	554		
village fair	466	520	14	0	1000	230	461	1832	102		
government demonstration	610	372	18	0	1000	617	523	1753	90		
input dealer	453	545	2	0	1000	654	650	11251	596		
other progressive farmers	561	436	1	2	1000	816	826	11214	609		
farmers' study tour	896	104	0	0	1000	633	729	165	14		
para technician/ private agency/NGO	642	309	49	0	1000	577	585	748	46		
primary cooperative society	573	410	17	0	1000	520	646	3889	190		
output buyer/food processor	448	533	19	0	1000	589	552	1736	83		
credit agency	345	593	61	0	1000	449	513	965	66		
others	318	682	0	0	1000	228	334	1177	52		
estd. no. of hhs (00)	19245	16691	690	18	30437	-	-	-	-		
sample no. of hhs	1010	856	44	1	1581	-	-	-	-		

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Manipur	source	no. per 1000 of households reporting quality of information received			(5)	(6)	(7)	(8)	(9)	(10)
		(2)	(3)	(4)						
(1)		good	satisfactory	poor	n.r.	all	no. per 1000 of households reporting 'information was tried'	no. per 1000 of households reporting adoption of recommendation	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	participation in training	713	287	0	0	1000	353	290	32	13
	krishi vigyan kendra	-	-	-	-	-	-	-	-	0
	extension worker	1000	0	0	0	1000	1000	600	23	13
	television	940	11	48	1	1000	766	612	114	60
	radio	857	134	9	0	1000	673	445	888	429
	newspaper	887	39	70	3	1000	874	581	223	96
	village fair	1000	0	0	0	1000	0	0	0	1
	government demonstration	982	0	18	0	1000	982	1000	55	21
	input dealer	928	62	10	0	1000	990	784	228	145
	other progressive farmers	660	340	0	0	1000	808	640	280	154
	farmers' study tour	-	-	-	-	-	-	-	-	0
	para technician/ private agency/NGO	0	942	0	58	1000	167	903	3	4
	primary cooperative society	-	-	-	-	-	-	-	-	0
	output buyer/food processor	185	815	0	0	1000	1000	1000	7	4
	credit agency	-	-	-	-	-	-	-	-	0
	others	908	0	92	0	1000	908	908	14	11
	estd. no. of hhs (00)	1019	210	23	1	1193	-	-	-	-
	sample no. of hhs	491	93	11	2	570	-	-	-	-

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Meghalaya	source (1)	no. per 1000 of households reporting quality of information received				no. per 1000 of households reporting 'information was tried'	no. per 1000 of households reporting adoption of recommendation	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source (10)
		good (2)	satisfactory (3)	poor (4)	n.r. (5)				
	participation in training	413	573	14	0	1000	457	13	6
	krishi vigyan kendra	-	-	-	-	-	-	-	0
	extension worker	875	125	0	0	1000	938	100	22
	television	581	415	4	0	1000	331	428	125
	radio	492	443	65	0	1000	246	498	140
	newspaper	608	389	3	0	1000	254	276	85
	village fair	440	540	20	0	1000	291	406	108
	government demonstration	720	134	0	146	1000	718	89	26
	input dealer	54	937	9	0	1000	937	120	40
	other progressive farmers	261	694	45	0	1000	747	487	123
	farmers' study tour	1000	0	0	0	1000	1000	0	1
	para technician/ private agency/NGO	-	-	-	-	-	-	-	0
	primary cooperative society	302	698	0	0	1000	769	30	5
	output buyer/food processor	250	750	0	0	1000	250	26	4
	credit agency	331	669	0	0	1000	0	20	4
	others	-	-	-	-	-	-	-	0
	estd. no. of hhs (00)	641	678	58	13	1180	-	-	-
	sample no. of hhs	177	187	20	1	329	-	-	-

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Mizoram

source (1)	no. per 1000 of households reporting quality of information received			no. per 1000 of households reporting 'information was tried' (7)	no. per 1000 of households reporting adoption of recommendation (8)	estd. no. of hhs accessing the source (00) (9)	sample no. of hhs accessing the source (10)
	good (2)	satisfactory (3)	poor (4)				
	n.r.	all					
participation in training	1000	0	0	0	0	7	4
krishi vigyan kendra	1000	0	0	1000	0	8	1
extension worker	1000	0	0	1000	0	8	1
television	545	455	0	1000	519	10	7
radio	724	276	0	1000	609	133	81
newspaper	962	38	0	996	922	56	36
village fair	-	-	-	-	-	-	0
government demonstration	1000	0	0	1000	465	3	4
input dealer	-	-	-	-	-	-	0
other progressive farmers	-	-	-	-	-	-	0
farmers' study tour	-	-	-	-	-	-	0
para technician/ private agency/NGO	-	-	-	-	-	-	0
primary cooperative society	-	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	-	0
credit agency	-	-	-	-	-	-	0
others	-	-	-	-	-	-	0
estd. no. of hhs (00)	115	42	0	-	-	-	-
sample no. of hhs	65	27	0	-	-	-	-

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

source (1)	no. per 1000 of households reporting quality of information received			(4)	(5)	(6)	(7)	(8)	(9)	(10)
	good (2)	satisfactory (3)	poor							
participation in training	546	454	0	0	1000	546	546	546	5	2
krishi vigyan kendra	-	-	-	-	-	-	-	-	-	0
extension worker	-	-	-	-	-	-	-	-	-	0
television	281	712	7	0	1000	419	439	211	89	89
radio	372	622	6	0	1000	782	754	276	130	130
newspaper	235	765	0	0	1000	739	687	68	28	28
village fair	720	280	0	0	1000	1000	720	8	3	3
government demonstration	663	296	41	0	1000	834	770	41	21	21
input dealer	-	-	-	-	-	-	-	-	-	0
other progressive farmers	0	1000	0	0	1000	226	0	8	3	3
farmers' study tour	-	-	-	-	-	-	-	-	-	0
para technician/ private agency/NGO	647	353	0	0	1000	647	0	5	2	2
primary cooperative society	-	-	-	-	-	-	-	-	-	0
output buyer/food processor	-	-	-	-	-	-	-	-	-	0
credit agency	-	-	-	-	-	-	-	-	-	0
others	140	767	94	0	1000	891	798	26	15	15
estd. no. of hhs (00)	143	257	6	0	312	-	-	-	-	-
sample no. of hhs	69	120	3	0	149	-	-	-	-	-

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Orissa

source (1)	no. per 1000 of households reporting quality of information received			(4)	(5)	(6)	(7)	(8)	(9)	(10)
	good (2)	satisfactory (3)	poor (4)							
participation in training	663	337	0	0	1000	431	627	272	14	
krishi vigyan kendra	0	1000	0	0	1000	187	187	32	2	
extension worker	573	427	0	0	1000	563	434	2665	117	
television	484	461	54	0	1000	437	364	2581	151	
radio	462	426	112	0	1000	327	311	2539	134	
newspaper	438	404	158	0	1000	414	382	1636	92	
village fair	29	816	154	0	1000	268	206	256	18	
government demonstration	941	59	0	0	1000	261	58	473	20	
input dealer	260	696	44	0	1000	911	826	3452	188	
other progressive farmers	244	720	36	0	1000	908	889	2955	153	
farmers' study tour	0	1000	0	0	1000	1000	1000	8	1	
para technician/ private agency/NGO	104	283	614	0	1000	920	920	81	5	
primary cooperative society	96	574	330	0	1000	507	423	739	47	
output buyer/food processor	206	613	182	0	1000	520	299	176	11	
credit agency	373	597	30	0	1000	706	439	404	23	
others	0	1000	0	0	1000	1000	970	231	6	
estd. no. of hhs (00)	4580	6514	941	0	10834	-	-	-	-	
sample no. of hhs	219	318	51	0	514	-	-	-	-	

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Punjab	source	no. per 1000 of households reporting quality of information received						no. per 1000 of households reporting 'information was tried'	no. per 1000 of households reporting adoption of recommendation	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source (10)
		no. per 1000 of households reporting quality of information received			(5)	(6)	(7)				
		good	satisfactory	poor							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
participation in training	744	256	0	0	1000	617	517	162	16		
krishi vigyan kendra	734	266	0	0	1000	781	781	139	12		
extension worker	516	484	0	0	1000	555	298	250	19		
television	678	290	32	0	1000	568	560	3044	183		
radio	634	342	24	0	1000	453	423	992	51		
newspaper	705	251	44	0	1000	624	598	1489	91		
village fair	737	263	0	0	1000	596	555	463	32		
government demonstration	564	436	0	0	1000	955	698	164	21		
input dealer	448	552	0	0	1000	710	667	661	51		
other progressive farmers	855	145	0	0	1000	972	922	788	53		
farmers' study tour	0	1000	0	0	1000	0	0	24	1		
para technician/ private agency/NGO	0	950	50	0	1000	950	950	17	2		
primary cooperative society	899	86	16	0	1000	853	756	1057	62		
output buyer/food processor	498	502	0	0	1000	366	610	143	5		
credit agency	729	266	5	0	1000	768	678	408	29		
others	716	284	0	0	1000	92	92	51	3		
estd. no. of hhs (00)	3757	1774	141	0	4920	-	-	-	-		
sample no. of hhs	234	104	10	0	305	-	-	-	-		

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Rajasthan	source (1)	no. per 1000 of households reporting quality of information received						no. per 1000 of households reporting 'information was tried' (7)	no. per 1000 of households reporting adoption of recommendation (8)	estd. no. of hhs accessing the source (00) (9)	sample no. of hhs accessing the source (10)
		information received			(6)						
		good (2)	satisfactory (3)	poor (4)	n.r. (5)	all (6)					
	participation in training	732	268	0	0	1000	748	755	229	18	
	krishi vigyan kendra	432	568	0	0	1000	875	878	393	21	
	extension worker	708	279	13	0	1000	884	872	759	48	
	television	636	364	0	0	1000	740	668	1117	83	
	radio	587	412	1	0	1000	692	676	1511	106	
	newspaper	710	264	26	0	1000	882	809	1089	81	
	village fair	330	670	0	0	1000	369	369	95	5	
	government demonstration	518	482	0	0	1000	749	870	396	23	
	input dealer	420	540	40	0	1000	546	947	2952	135	
	other progressive farmers	425	529	47	0	1000	681	923	2798	130	
	farmers' study tour	1000	0	0	0	1000	927	927	20	2	
	para technician/ private agency/NGO	1000	0	0	0	1000	1000	1000	89	3	
	primary cooperative society	300	695	5	0	1000	722	834	549	43	
	output buyer/food processor	109	891	0	0	1000	109	109	43	2	
	credit agency	244	733	22	0	1000	430	625	780	35	
	others	380	620	0	0	1000	131	418	196	9	
	estd. no. of hhs (00)	3839	4508	307	0	7786	-	-	-	-	
	sample no. of hhs	214	246	25	0	432	-	-	-	-	



Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Sikkim	source (1)	no. per 1000 of households reporting quality of information received			(5)	(6)	(7)	no. per 1000 of households reporting adoption of recommendation	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
		(2)	(3)	(4)						
		good	satisfactory	poor	n.r.	all				
	participation in training	862	138	0	0	1000	680	680	3	5
	krishi vigyan kendra	1000	0	0	0	1000	1000	0	0	1
	extension worker	276	707	17	0	1000	661	550	227	228
	television	883	117	0	0	1000	582	644	29	41
	radio	609	391	0	0	1000	497	492	51	56
	newspaper	822	178	0	0	1000	394	102	4	8
	village fair	715	285	0	0	1000	285	285	13	14
	government demonstration	428	572	0	0	1000	862	824	21	36
	input dealer	1000	0	0	0	1000	1000	1000	2	2
	other progressive farmers	0	1000	0	0	1000	1000	1000	0	1
	farmers' study tour	-	-	-	-	-	-	-	-	0
	para technician/ private agency/NGO	0	150	836	15	1000	67	0	12	19
	primary cooperative society	692	300	0	8	1000	799	712	24	26
	output buyer/food processor	672	322	0	6	1000	992	905	30	35
	credit agency	833	167	0	0	1000	833	833	0	2
	others	-	-	-	-	-	-	-	-	0
	estd. no. of hhs (00)	120	184	14	0	288	-	-	-	-
	sample no. of hhs	134	193	19	1	300	-	-	-	-

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Tamil Nadu

source (1)	no. per 1000 of households reporting quality of information received			(5)	no. per 1000 of households reporting 'information was tried'			(8)	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source (10)
	good (2)	satisfactory (3)	poor (4)		n.r. (5)	all (6)	no. per 1000 of households reporting 'information was tried' (7)			
participation in training	794	206	0	0	1000	747	740	1582	85	
krishi vigyan kendra	865	135	0	0	1000	173	206	52	7	
extension worker	787	213	0	0	1000	815	741	5187	307	
television	692	300	8	0	1000	539	498	7633	555	
radio	688	311	1	0	1000	571	520	6341	477	
newspaper	640	357	3	0	1000	604	541	5576	404	
village fair	625	300	76	0	1000	522	551	595	60	
government demonstration	569	387	44	0	1000	562	596	1355	103	
input dealer	707	293	0	0	1000	816	867	3660	205	
other progressive farmers	685	315	0	0	1000	865	853	8146	553	
farmers' study tour	895	105	0	0	1000	685	723	163	12	
para technician/ private agency/NGO	818	182	0	0	1000	840	918	632	65	
primary cooperative society	591	361	48	0	1000	556	617	3241	229	
output buyer/food processor	466	523	11	0	1000	482	600	1831	114	
credit agency	284	703	13	0	1000	227	344	1313	84	
others	272	713	15	0	1000	233	522	1141	62	
estd. no. of hhs (00)	14834	7108	256	0	19444	-	-	-	-	
sample no. of hhs	1021	505	15	0	1373	-	-	-	-	

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Tripura

source	no. per 1000 of households reporting quality of information received			(4)	(5)	(6)	(7)	(8)	(9)	(10)
	(2)	(3)	(1)							
participation in training	699	301	0	0	1000	980	990	37	25	
krishi vigyan kendra	0	0	0	1000	1000	0	0	3	1	
extension worker	449	551	0	0	1000	1000	836	40	31	
television	589	353	30	28	1000	779	674	94	47	
radio	513	456	16	15	1000	716	762	174	72	
newspaper	754	246	0	0	1000	875	877	79	37	
village fair	670	142	188	0	1000	718	776	26	19	
government demonstration	889	111	0	0	1000	874	949	90	51	
input dealer	0	1000	0	0	1000	1000	1000	1	1	
other progressive farmers	1000	0	0	0	1000	1000	1000	12	4	
farmers' study tour	274	726	0	0	1000	1000	1000	1	2	
para technician/ private agency/NGO	-	-	-	-	-	-	-	-	0	
primary cooperative society	963	0	37	0	1000	1000	1000	61	33	
output buyer/food processor	1000	0	0	0	1000	1000	1000	1	1	
credit agency	1000	0	0	0	1000	1000	1000	1	1	
others	-	-	-	-	-	-	-	-	0	
estd. no. of hhs (00)	275	132	10	3	384	-	-	-	-	
sample no. of hhs	121	68	5	1	179	-	-	-	-	

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Uttar Pradesh

source	no. per 1000 of households reporting quality of information received			(4)	(5)	(6)	(7)	(8)	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	(2)	(3)	(1)							
participation in training	313	295	42	349	1000	609	573	954	46	
krishi vigyan kendra	411	174	0	415	1000	424	391	803	33	
extension worker	359	357	104	180	1000	549	482	1854	80	
television	552	408	10	31	1000	683	651	11132	513	
radio	636	335	16	13	1000	676	663	25700	1021	
newspaper	544	391	15	50	1000	629	632	6816	333	
village fair	604	280	1	115	1000	452	402	2905	120	
government demonstration	554	199	13	234	1000	612	563	1420	65	
input dealer	529	441	6	23	1000	947	875	14201	568	
other progressive farmers	586	408	4	1	1000	898	864	32507	1226	
farmers' study tour	193	231	14	563	1000	399	393	592	27	
para technician/ private agency/NGO	358	256	0	386	1000	270	257	863	39	
primary cooperative society	491	385	47	77	1000	797	792	4329	169	
output buyer/food processor	700	154	1	144	1000	810	822	2310	88	
credit agency	294	321	69	316	1000	618	569	1055	45	
others	406	485	15	94	1000	692	788	3538	137	
estd. no. of hhs (00)	36319	26398	1192	368	57661	-	-	-	-	
sample no. of hhs	1442	1047	49	13	2263	-	-	-	-	

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

source	no. per 1000 of households reporting quality of information received			(4)	no. per 1000 of households reporting quality of information received		(7)	(8)	(9)	(10)
	(2)	(3)	(5)		(6)					
(1)	good	satisfactory	poor	n.r.	all	no. per 1000 of households reporting 'information was tried'	no. per 1000 of households reporting adoption of recommendation	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source	
participation in training	528	458	13	0	1000	940	810	214	12	
krishi vigyan kendra	-	-	-	-	-	-	-	-	0	
extension worker	1000	0	0	0	1000	1000	1000	107	2	
television	915	85	0	0	1000	832	851	404	20	
radio	868	132	0	0	1000	720	733	208	9	
newspaper	0	1000	0	0	1000	628	1000	20	2	
village fair	-	-	-	-	-	-	-	-	0	
government demonstration	900	100	0	0	1000	939	961	118	4	
input dealer	775	225	0	0	1000	1000	1000	791	37	
other progressive farmers	862	134	4	0	1000	992	947	2009	81	
farmers' study tour	-	-	-	-	-	-	-	-	0	
para technician/ private agency/NGO	0	1000	0	0	1000	1000	1000	19	3	
primary cooperative society	306	694	0	0	1000	1000	810	24	4	
output buyer/food processor	0	1000	0	0	1000	0	0	5	1	
credit agency	0	1000	0	0	1000	612	612	12	2	
others	0	1000	0	0	1000	1000	1000	7	1	
estd. no. of hhs (00)	2260	482	11	0	2697	-	-	-	-	
sample no. of hhs	81	39	2	0	116	-	-	-	-	

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

source	no. per 1000 of households reporting quality of information received						no. per 1000 of households reporting 'information was tried'	no. per 1000 of households reporting adoption of recommendation	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source (10)
	information received			(6)						
	good	satisfactory	poor	n.r.	all					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
participation in training	470	462	68	0	1000	809	771	722	57	
krishi vigyan kendra	518	42	440	0	1000	519	492	195	12	
extension worker	450	483	67	0	1000	871	853	2832	168	
television	521	427	52	0	1000	511	457	4594	296	
radio	460	472	68	0	1000	525	498	14401	778	
newspaper	568	377	55	0	1000	595	560	3910	253	
village fair	299	654	47	0	1000	343	507	2734	157	
government demonstration	500	379	121	0	1000	598	580	1313	67	
input dealer	367	605	29	0	1000	824	834	24634	1334	
other progressive farmers	412	569	18	0	1000	845	888	17071	917	
farmers' study tour	0	205	795	0	1000	205	205	105	6	
para technician/ private agency/NGO	401	400	199	0	1000	780	743	496	23	
primary cooperative society	338	547	115	0	1000	764	829	1458	65	
output buyer/food processor	264	634	102	0	1000	805	786	1292	66	
credit agency	264	524	212	0	1000	688	657	494	32	
others	360	568	71	0	1000	850	820	1573	99	
estd. no. of hhs (00)	20615	26505	2400	0	42175	-	-	-	-	
sample no. of hhs	1102	1451	138	0	2306	-	-	-	-	

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

Group of UTs	source	no. per 1000 of households reporting quality of information received			(5)	(6)	(7)	(8)	(9)	(10)
		good	satisfactory	poor						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	participation in training	329	671	0	0	1000	297	297	53	19
	krishi vigyan kendra	41	854	105	0	1000	319	319	30	7
	extension worker	662	126	212	0	1000	675	675	56	22
	television	527	420	53	0	1000	507	499	92	75
	radio	241	658	101	0	1000	337	323	54	43
	newspaper	128	837	35	0	1000	303	302	70	35
	village fair	91	897	12	0	1000	677	644	20	7
	government demonstration	640	174	186	0	1000	846	848	62	30
	input dealer	923	77	0	0	1000	930	826	63	25
	other progressive farmers	601	399	0	0	1000	858	843	197	108
	farmers' study tour	96	904	0	0	1000	96	96	4	3
	para technician/ private agency/NGO	385	62	553	0	1000	520	435	19	6
	primary cooperative society	283	561	155	0	1000	300	158	45	23
	output buyer/food processor	108	774	118	0	1000	235	183	82	33
	credit agency	0	627	373	0	1000	24	24	32	12
	others	645	192	163	0	1000	837	837	56	15
	estd. no. of hhs (00)	245	220	30	0	372	-	-	-	-
	sample no. of hhs	145	116	12	0	221	-	-	-	-

Table 5: Per 1000 distribution of farmer households reporting quality of information received among households accessing each type of source

source	no. per 1000 of households reporting quality of information received			(5)	(6)	(7)	(8)	(9)	(10)
	(2)	(3)	(4)						
India									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
participation in training	557	357	39	48	1000	661	644	8233	664
krishi vigyan kendra	539	350	46	65	1000	669	662	6136	453
extension worker	511	454	28	8	1000	653	625	51127	2890
television	590	384	21	4	1000	533	531	83388	5733
radio	555	416	26	3	1000	563	545	116436	7530
newspaper	559	409	26	6	1000	541	538	62400	4359
village fair	452	491	34	24	1000	472	480	17990	1182
government demonstration	546	399	34	21	1000	592	604	18216	1233
input dealer	505	476	15	3	1000	815	817	116827	5991
other progressive farmers	528	459	12	1	1000	828	851	148989	7718
farmers' study tour	492	201	135	172	1000	488	523	2152	171
para technician/ private agency/NGO	455	406	64	75	1000	555	566	5252	394
primary cooperative society	480	462	45	12	1000	701	684	32091	1786
output buyer/food processor	413	528	36	23	1000	676	628	20708	1239
credit agency	384	515	77	24	1000	514	490	16410	926
others	434	485	54	26	1000	674	686	15014	839
estd. no. of hhs (00)	214665	190051	12253	582	360793	-	-	-	-
sample no. of hhs	12529	10801	763	53	20979	-	-	-	-



Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Andhra Pradesh	source	no. per 1000 of households reporting suggestion for improvement										estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
(1)		improvement in quality and reliability of information	no. per 1000 of households reporting suggestion for improvement	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all				
	participation in training	429	88	87	178	8	209	0	1000	642	32		
	krishi vigyan kendra	0	596	57	27	0	320	0	1000	142	8		
	extension worker	227	229	180	17	18	329	0	1000	5412	260		
	television	290	218	97	104	24	267	0	1000	7202	412		
	radio	281	246	92	165	24	189	3	1000	2354	130		
	newspaper	342	163	33	117	12	333	0	1000	3868	212		
	village fair	701	105	108	10	2	75	0	1000	2438	88		
	government demonstration	325	137	310	31	31	167	0	1000	3222	165		
	input dealer	280	179	33	41	24	444	0	1000	18134	892		
	other progressive farmers	167	166	23	135	20	489	0	1000	20560	1005		
	farmers' study tour	23	0	232	0	0	746	0	1000	176	10		
	para technician/ private agency/NGO	223	66	19	0	127	566	0	1000	541	28		
	primary cooperative society	395	68	102	70	61	304	0	1000	1293	75		
	output buyer/food processor	245	47	33	149	50	475	0	1000	2622	140		
	credit agency	324	48	61	98	7	462	0	1000	3060	159		
	others	205	23	0	48	4	720	0	1000	834	42		
	estd. no. of hhs (00)	11746	8029	3722	4732	1031	16744	8	37831	-	-		
	sample no. of hhs	580	393	193	200	77	889	1	1938	-	-		

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

source	Arunachal Pradesh										
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	improvement in quality and reliability of information	no. per 1000 of households reporting suggestion for improvement	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
participation in training	27	149	175	0	27	621	0	1000	102	44	
krishi vigyan kendra	34	0	186	0	34	746	0	1000	82	33	
extension worker	26	0	133	0	22	791	28	1000	124	50	
television	122	17	100	0	24	738	0	1000	118	48	
radio	114	130	99	31	68	557	0	1000	196	77	
newspaper	34	42	144	0	34	746	0	1000	82	33	
village fair	34	0	146	0	34	785	0	1000	81	32	
government demonstration	160	0	132	0	24	683	0	1000	115	50	
input dealer	34	0	188	0	34	743	0	1000	81	32	
other progressive farmers	27	19	148	0	27	778	0	1000	103	39	
farmers' study tour	33	0	138	0	33	797	0	1000	86	33	
para technician/ private agency/NGO	28	144	195	0	28	604	0	1000	100	40	
primary cooperative society	34	0	188	0	34	743	0	1000	81	32	
output buyer/food processor	34	0	146	42	34	743	0	1000	81	32	
credit agency	34	0	188	0	34	743	0	1000	81	32	
others	29	0	131	0	25	815	0	1000	110	45	
estd. no. of hhs (00)	44	44	32	10	13	163	3	280	-	-	
sample no. of hhs	21	21	18	4	6	60	1	118	-	-	

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Assam

source	no. per 1000 of households reporting suggestion for improvement							estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)			(9)
(1)	improvement in quality and reliability of information	no. per 1000 of households reporting suggestion for improvement	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
participation in training	252	288	256	0	0	157	46	1000	302	23
krishi vigyan kendra	130	480	94	0	0	297	0	1000	152	11
extension worker	301	136	124	82	11	324	22	1000	1483	112
television	238	101	300	27	15	288	32	1000	2319	218
radio	337	113	201	77	35	218	18	1000	7246	573
newspaper	419	106	174	12	13	272	4	1000	2565	239
village fair	376	209	80	39	6	218	72	1000	1150	130
government demonstration	322	162	101	30	55	329	0	1000	1041	87
input dealer	264	66	247	65	64	251	44	1000	2003	156
other progressive farmers	142	76	97	156	34	469	26	1000	3977	306
farmers' study tour	39	509	108	0	0	340	4	1000	278	27
para technician/ private agency/NGO	252	340	156	51	30	171	0	1000	481	41
primary cooperative society	324	278	169	0	17	213	0	1000	384	31
output buyer/food processor	137	112	410	100	46	88	108	1000	947	92
credit agency	227	349	170	0	0	254	0	1000	237	22
others	325	143	40	0	10	424	58	1000	396	44
estd. no. of hhs (00)	3893	1601	3094	1282	461	3252	408	11553	-	-
sample no. of hhs	348	155	232	93	43	259	37	945	-	-

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Bihar

source	no. per 1000 of households reporting suggestion for improvement							estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source	
	(2) improvement in quality and reliability of information	(3) no. per 1000 of households reporting suggestion for improvement	(4) increase in frequency of demonstration	(5) improvement of quality of presentation	(6) improvement of professional competence of information provider	(7) others	(8) n.r.			(9) all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
participation in training	124	0	552	0	0	324	0	1000	18	4
krishi vigyan kendra	0	0	0	58	0	942	0	1000	39	4
extension worker	325	105	407	0	0	164	0	1000	285	16
television	278	139	162	127	41	204	49	1000	2437	147
radio	380	166	149	71	33	185	16	1000	12256	602
newspaper	422	194	120	73	30	150	11	1000	4028	211
village fair	336	96	113	12	105	332	7	1000	1741	88
government demonstration	293	182	494	9	5	17	0	1000	324	22
input dealer	481	35	63	29	170	207	16	1000	8795	505
other progressive farmers	265	56	70	23	112	427	47	1000	7089	405
farmers' study tour	0	0	0	109	0	891	0	1000	10	2
para technician/ private agency/NGO	56	137	779	0	28	0	0	1000	251	13
primary cooperative society	128	122	5	0	0	675	70	1000	491	18
output buyer/food processor	591	41	163	37	42	92	34	1000	1582	112
credit agency	506	92	171	0	17	215	0	1000	376	21
others	245	270	23	0	0	440	22	1000	1330	70
estd. no. of hhs (00)	9813	3454	3254	1546	2517	7084	625	22924	-	-
sample no. of hhs	551	175	179	82	114	374	25	1226	-	-

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Chhattisgarh

source	no. per 1000 of households reporting suggestion for improvement										sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
(1)	improvement in quality and reliability of information	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)		
participation in training	435	170	81	0	149	165	0	1000	222	10	
krishi vigyan kendra	265	436	0	160	128	11	0	1000	207	8	
extension worker	376	288	155	63	35	84	0	1000	4288	182	
television	313	222	73	179	40	173	0	1000	1157	61	
radio	247	225	135	197	50	146	0	1000	954	44	
newspaper	481	42	76	221	104	75	0	1000	443	29	
village fair	184	0	499	0	317	0	0	1000	68	3	
government demonstration	723	37	234	3	0	3	0	1000	394	21	
input dealer	0	697	0	303	0	0	0	1000	50	2	
other progressive farmers	522	328	129	0	22	0	0	1000	908	49	
farmers' study tour	0	0	0	0	1000	0	0	1000	26	1	
para technician/ private agency/NGO	-	-	-	-	-	-	-	-	-	0	
primary cooperative society	234	147	110	332	177	0	0	1000	1032	41	
output buyer/food processor	284	418	0	0	298	0	0	1000	151	6	
credit agency	206	595	0	0	95	104	0	1000	355	14	
others	-	-	-	-	-	-	-	-	-	0	
estd. no. of hhs (00)	2789	1893	1090	709	441	643	0	6902	-	-	
sample no. of hhs	126	82	49	31	15	30	0	300	-	-	

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Gujarat

source	no. per 1000 of households reporting suggestion for improvement										estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
participation in training	0	211	581	0	0	208	0	1000	123	6		
krishi vigyan kendra	207	27	433	248	0	85	0	1000	419	19		
extension worker	353	161	134	52	244	55	0	1000	8305	280		
television	177	258	253	116	56	140	0	1000	3950	154		
radio	233	282	210	40	0	236	0	1000	2357	68		
newspaper	360	226	155	24	84	151	0	1000	2556	111		
village fair	222	24	735	19	0	0	0	1000	108	8		
government demonstration	358	270	211	0	30	131	0	1000	1207	42		
input dealer	415	207	69	178	59	72	0	1000	9211	294		
other progressive farmers	387	98	68	216	75	156	0	1000	11336	374		
farmers' study tour	565	253	162	0	0	20	0	1000	183	10		
para technician/ private agency/NGO	77	0	422	441	60	0	0	1000	227	4		
primary cooperative society	377	53	162	245	128	35	0	1000	3157	110		
output buyer/food processor	194	86	113	165	299	143	0	1000	2002	78		
credit agency	465	2	267	12	0	254	0	1000	636	30		
others	134	146	54	554	97	14	0	1000	1217	30		
estd. no. of hhs (00)	9487	5174	4252	5641	4419	3533	0	20886	-	-		
sample no. of hhs	346	166	130	168	120	136	0	707	-	-		

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Haryana

source	no. per 1000 of households reporting suggestion for improvement										estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
(1)	improvement in quality and reliability of information	no. per 1000 of households reporting suggestion for improvement	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source		
participation in training	450	0	550	0	0	0	0	1000	26	2		
krishi vigyan kendra	0	5	50	405	0	540	0	1000	170	7		
extension worker	328	62	165	75	49	320	0	1000	496	23		
television	215	82	219	45	94	346	0	1000	1752	97		
radio	376	152	146	20	17	289	0	1000	2177	92		
newspaper	422	33	131	68	86	261	0	1000	1557	74		
village fair	91	46	422	0	0	441	0	1000	247	11		
government demonstration	252	0	145	0	55	548	0	1000	149	13		
input dealer	157	0	0	1	34	808	0	1000	1841	91		
other progressive farmers	255	8	0	37	144	555	0	1000	3290	140		
farmers' study tour	0	0	0	0	0	1000	0	1000	18	1		
para technician/ private agency/NGO	216	10	0	0	0	774	0	1000	89	4		
primary cooperative society	100	104	19	98	30	649	0	1000	749	38		
output buyer/food processor	2	0	0	0	75	923	0	1000	761	39		
credit agency	109	24	0	0	95	772	0	1000	710	29		
others	62	626	60	0	0	205	47	1000	39	6		
estd. no. of hhs (00)	2184	541	955	431	824	3628	2	7198	-	-		
sample no. of hhs	88	34	41	21	35	164	1	319	-	-		

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

source	Himachal Pradesh										
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	improvement in quality and reliability of information	no. per 1000 of households reporting suggestion for improvement	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
participation in training	396	191	109	56	59	190	0	1000	346	38	
krishi vigyan kendra	153	529	229	0	0	89	0	1000	326	41	
extension worker	225	138	344	9	87	198	0	1000	190	30	
television	242	184	109	98	19	343	4	1000	1547	188	
radio	205	187	112	75	113	303	5	1000	1266	162	
newspaper	130	278	93	114	17	353	14	1000	432	62	
village fair	41	591	163	78	48	78	0	1000	42	10	
government demonstration	510	186	196	91	0	17	0	1000	143	24	
input dealer	228	150	73	19	46	484	0	1000	360	46	
other progressive farmers	187	64	88	87	101	473	0	1000	1166	179	
farmers' study tour	0	0	0	0	0	1000	0	1000	2	1	
para technician/ private agency/NGO	0	0	1000	0	0	0	0	1000	7	1	
primary cooperative society	53	249	281	10	34	374	0	1000	696	80	
output buyer/food processor	232	582	72	0	115	0	0	1000	219	23	
credit agency	38	137	0	0	162	663	0	1000	162	20	
others	0	0	549	0	0	451	0	1000	16	5	
estd. no. of hhs (00)	978	1060	736	346	369	1587	6	3786	-	-	
sample no. of hhs	142	134	94	46	47	209	1	495	-	-	



Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Jammu & Kashmir source	(1)	no. per 1000 of households reporting suggestion for improvement						estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source		
		(2)	(3)	(4)	(5)	(6)	(7)			(8)	(9)
		improvement in quality and reliability of information	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all		
participation in training	80	0	430	0	0	0	490	0	1000	58	6
krishi vigyan kendra	-	-	-	-	-	-	-	-	-	-	0
extension worker	154	105	359	0	0	0	383	0	1000	285	14
television	179	118	320	235	41	106	106	0	1000	2829	337
radio	200	139	242	236	58	126	126	0	1000	3427	436
newspaper	348	91	257	81	55	168	168	0	1000	181	32
village fair	781	219	0	0	0	0	0	0	1000	20	3
government demonstration	252	0	707	0	16	25	25	0	1000	141	9
input dealer	0	84	84	0	50	782	782	0	1000	119	5
other progressive farmers	1000	0	0	0	0	0	0	0	1000	64	10
farmers' study tour	-	-	-	-	-	-	-	-	-	-	0
para technician/ private agency/NGO	0	1000	0	0	0	0	0	0	1000	5	1
primary cooperative society	393	0	285	0	322	0	0	0	1000	25	5
output buyer/food processor	-	-	-	-	-	-	-	-	-	-	0
credit agency	-	-	-	-	-	-	-	-	-	-	0
others	0	1000	0	0	0	0	0	0	1000	2	1
estd. no. of hhs (00)	856	624	1459	852	226	762	762	0	4530	-	-
sample no. of hhs	116	78	114	137	42	47	47	0	503	-	-

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Jharkhand

source	no. per 1000 of households reporting suggestion for improvement										sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
	improvement in quality and reliability of information	no. per 1000 of households reporting suggestion for improvement	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
participation in training	256	107	248	0	336	53	0	1000	72	7	
krishi vigyan kendra	0	0	0	28	0	972	0	1000	37	3	
extension worker	0	1000	0	0	0	0	0	1000	12	1	
television	591	150	73	63	21	102	0	1000	662	57	
radio	382	242	133	73	42	127	0	1000	4358	238	
newspaper	387	381	13	84	125	9	0	1000	1313	65	
village fair	214	105	211	264	17	189	0	1000	1119	56	
government demonstration	66	42	379	491	0	22	0	1000	526	26	
input dealer	201	185	96	162	56	300	0	1000	880	41	
other progressive farmers	336	155	133	2	51	323	0	1000	2466	136	
farmers' study tour	-	-	-	-	-	-	-	-	-	0	
para technician/ private agency/NGO	0	0	0	1000	0	0	0	1000	36	1	
primary cooperative society	0	0	0	1000	0	0	0	1000	1	1	
output buyer/food processor	306	220	44	0	8	422	0	1000	174	10	
credit agency	215	50	0	37	476	222	0	1000	181	10	
others	84	45	0	415	0	455	0	1000	618	39	
estd. no. of hhs (00)	3001	1869	1303	1122	460	2037	0	8023	-	-	
sample no. of hhs	159	96	74	73	35	116	0	440	-	-	

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Karnataka

source	no. per 1000 of households reporting suggestion for improvement										sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
(1)	improvement in quality and reliability of information	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source	
participation in training	374	279	224	83	19	22	0	1000	621	31	
krishi vigyan kendra	282	526	123	0	20	48	0	1000	439	22	
extension worker	446	265	89	27	20	153	0	1000	4663	206	
television	254	214	220	80	11	221	0	1000	4818	252	
radio	261	281	190	54	10	204	0	1000	5719	264	
newspaper	334	177	184	47	15	243	0	1000	3959	202	
village fair	90	434	143	125	0	209	0	1000	973	46	
government demonstration	100	460	265	114	19	43	0	1000	914	56	
input dealer	369	213	64	39	146	169	0	1000	6270	278	
other progressive farmers	365	221	127	78	77	132	0	1000	4610	222	
farmers' study tour	523	0	456	0	0	21	0	1000	151	7	
para technician/ private agency/NGO	241	160	460	140	0	0	0	1000	242	13	
primary cooperative society	127	277	211	25	33	327	0	1000	2745	119	
output buyer/food processor	133	350	51	0	404	62	0	1000	2157	91	
credit agency	139	140	36	20	302	364	0	1000	2842	113	
others	251	97	56	0	169	426	0	1000	1197	57	
estd. no. of hhs (00)	7533	5171	3310	1573	1771	4941	0	17893	-	-	
sample no. of hhs	365	220	155	80	86	221	0	838	-	-	

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Kerala	source	no. per 1000 of households reporting suggestion for improvement										estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
(1)	improvement in quality and reliability of information	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all					
	450	112	123	31	94	147	44	1000	611	75			
participation in training	363	105	157	78	71	200	26	1000	1834	164			
krishi vigyan kendra	240	138	99	32	186	305	0	1000	824	81			
extension worker	244	124	142	78	35	372	5	1000	4950	524			
television	308	125	101	81	40	340	4	1000	6706	668			
radio	367	128	61	58	47	336	3	1000	8299	836			
newspaper	58	56	278	99	135	375	0	1000	262	43			
village fair	138	123	154	127	132	326	0	1000	648	50			
government demonstration	408	273	45	57	103	70	43	1000	616	66			
input dealer	210	50	31	10	163	534	2	1000	2858	274			
other progressive farmers	248	0	0	341	0	411	0	1000	79	7			
farmers' study tour													
para technician/ private agency/NGO	354	47	9	75	81	434	0	1000	241	29			
primary cooperative society	294	179	88	38	90	292	19	1000	1404	138			
output buyer/food processor	362	62	80	35	124	338	0	1000	944	103			
credit agency	313	72	41	66	84	400	24	1000	1122	89			
others	112	312	12	17	6	540	0	1000	496	56			
estd. no. of hhs (00)	5045	2186	1894	1226	1305	5445	52	12730	-	-			
sample no. of hhs	459	234	176	131	110	597	3	1294	-	-			

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

source	Madhya Pradesh										
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	improvement in quality and reliability of information	no. per 1000 of households reporting suggestion for improvement	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
participation in training	279	197	470	0	0	0	54	0	1000	204	14
krishi vigyan kendra	330	504	76	90	0	0	0	0	1000	286	11
extension worker	358	246	149	30	15	202	0	0	1000	5665	277
television	447	207	94	21	30	195	6	1000	4198	189	
radio	355	209	106	53	50	228	0	1000	5293	223	
newspaper	292	215	61	79	66	286	0	1000	2124	106	
village fair	221	602	98	61	0	18	0	1000	383	16	
government demonstration	442	134	317	26	21	61	0	1000	2027	82	
input dealer	414	58	67	80	45	336	0	1000	6449	256	
other progressive farmers	348	159	15	81	90	308	0	1000	12085	460	
farmers' study tour	798	0	0	0	0	202	0	1000	62	3	
para technician/ private agency/NGO	0	0	680	320	0	0	0	0	1000	50	2
primary cooperative society	452	171	100	48	30	200	0	1000	4581	201	
output buyer/food processor	206	35	4	118	223	413	0	1000	1383	65	
credit agency	570	125	49	76	93	87	0	1000	1165	51	
others	672	0	0	48	81	200	0	1000	748	34	
estd. no. of hhs (00)	11818	5234	3158	2077	2131	7462	26	26184	-	-	
sample no. of hhs	492	232	160	93	90	294	1	1088	-	-	

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

source	no. per 1000 of households reporting suggestion for improvement										estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
participation in training	151	101	542	3	105	99	0	1000	536	41		
krishi vigyan kendra	426	82	291	0	107	94	0	1000	347	25		
extension worker	327	143	322	80	64	65	0	1000	4989	300		
television	336	190	200	119	39	115	2	1000	13778	777		
radio	313	229	161	98	25	175	0	1000	8302	417		
newspaper	362	217	89	116	38	178	0	1000	9616	554		
village fair	236	242	245	70	33	175	0	1000	1832	102		
government demonstration	142	263	349	24	31	190	0	1000	1753	90		
input dealer	408	188	179	47	17	160	2	1000	11251	596		
other progressive farmers	434	78	83	52	64	287	2	1000	11214	609		
farmers' study tour	134	82	526	0	61	198	0	1000	165	14		
para technician/ private agency/NGO	272	137	217	121	15	237	0	1000	748	46		
primary cooperative society	463	140	72	135	63	127	0	1000	3889	190		
output buyer/food processor	367	131	148	123	146	85	0	1000	1736	83		
credit agency	309	177	127	66	85	238	0	1000	965	66		
others	298	108	141	36	104	297	17	1000	1177	52		
estd. no. of hhs (00)	14070	7845	7982	4263	2309	7651	43	30437	-	-		
sample no. of hhs	731	399	453	234	138	405	2	1581	-	-		

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

source	no. per 1000 of households reporting suggestion for improvement										estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
(1)	improvement in quality and reliability of information	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all				
participation in training	71	167	116	63	0	582	0	1000	32	13		
krishi vigyan kendra	-	-	-	-	-	-	-	-	-	0		
extension worker	347	176	311	87	0	78	0	1000	23	13		
television	259	277	93	107	148	75	42	1000	114	60		
radio	488	220	39	38	22	94	100	1000	888	429		
newspaper	363	318	52	68	0	156	43	1000	223	96		
village fair	1000	0	0	0	0	0	0	1000	0	1		
government demonstration	91	0	774	0	0	22	113	1000	55	21		
input dealer	190	75	19	14	292	206	204	1000	228	145		
other progressive farmers	369	4	2	13	10	268	334	1000	280	154		
farmers' study tour	-	-	-	-	-	-	-	-	-	0		
para technician/ private agency/NGO	0	0	39	0	167	794	0	1000	3	4		
primary cooperative society	-	-	-	-	-	-	-	-	-	0		
output buyer/food processor	0	0	18	0	0	982	0	1000	7	4		
credit agency	-	-	-	-	-	-	-	-	-	0		
others	28	92	0	0	246	197	436	1000	14	11		
estd. no. of hhs (00)	520	228	96	57	93	213	219	1193	-	-		
sample no. of hhs	238	118	50	27	49	124	104	570	-	-		

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Meghalaya

source	no. per 1000 of households reporting suggestion for improvement											estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)			
participation in training	430	0	556	0	14	0	0	1000	13	6			
krishi vigyan kendra	-	-	-	-	-	-	-	-	-	0			
extension worker	771	0	170	0	59	0	0	1000	100	22			
television	439	83	277	92	64	45	0	1000	428	125			
radio	409	25	191	111	148	118	0	1000	498	140			
newspaper	385	27	245	153	187	4	0	1000	276	85			
village fair	629	123	45	157	23	23	0	1000	406	108			
government demonstration	229	133	343	0	295	0	0	1000	89	26			
input dealer	919	6	53	0	0	21	0	1000	120	40			
other progressive farmers	339	22	66	170	328	75	0	1000	487	123			
farmers' study tour	1000	0	0	0	0	0	0	1000	0	1			
para technician/ private agency/NGO	-	-	-	-	-	-	-	-	-	0			
primary cooperative society	467	0	0	223	310	0	0	1000	30	5			
output buyer/food processor	0	0	0	250	750	0	0	1000	26	4			
credit agency	0	0	0	0	669	331	0	1000	20	4			
others	-	-	-	-	-	-	-	-	-	0			
estd. no. of hhs (00)	627	107	248	181	190	106	0	1180	-	-			
sample no. of hhs	168	30	72	44	46	40	0	329	-	-			



Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Mizoram	source	no. per 1000 of households reporting suggestion for improvement										sample no. of hhs accessing the source
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
(1)		improvement in quality and reliability of information	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)		
	participation in training	0	47	953	0	0	0	0	1000	7	4	
	krishi vigyan kendra	0	0	0	0	0	1000	0	1000	8	1	
	extension worker	0	0	0	0	0	1000	0	1000	8	1	
	television	0	0	0	0	0	1000	0	1000	10	7	
	radio	572	13	32	5	48	322	8	1000	133	81	
	newspaper	928	0	35	0	0	28	9	1000	56	36	
	village fair	-	-	-	-	-	-	-	-	-	0	
	government demonstration	465	0	535	0	0	0	0	1000	3	4	
	input dealer	-	-	-	-	-	-	-	-	-	0	
	other progressive farmers	-	-	-	-	-	-	-	-	-	0	
	farmers' study tour	-	-	-	-	-	-	-	-	-	0	
	para technician/ private agency/NGO	-	-	-	-	-	-	-	-	-	0	
	primary cooperative society	-	-	-	-	-	-	-	-	-	0	
	output buyer/food processor	-	-	-	-	-	-	-	-	-	0	
	credit agency	-	-	-	-	-	-	-	-	-	0	
	others	-	-	-	-	-	-	-	-	-	0	
	estd. no. of hhs (00)	78	2	13	1	6	56	2	156	-	-	
	sample no. of hhs	41	2	8	1	4	32	4	91	-	-	

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

source	no. per 1000 of households reporting suggestion for improvement										estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
participation in training	0	1000	0	0	0	0	0	0	1000	5	2	
krishi vigyan kendra	-	-	-	-	-	-	-	-	-	-	0	
extension worker	-	-	-	-	-	-	-	-	-	-	0	
television	182	197	208	23	63	328	0	1000	211	89		
radio	234	498	154	38	36	41	0	1000	276	130		
newspaper	263	494	127	23	74	19	0	1000	68	28		
village fair	208	280	512	0	0	0	0	1000	8	3		
government demonstration	362	159	277	11	65	125	0	1000	41	21		
input dealer	-	-	-	-	-	-	-	-	-	-	0	
other progressive farmers	415	0	0	226	358	0	0	1000	8	3		
farmers' study tour	-	-	-	-	-	-	-	-	-	-	0	
para technician/ private agency/NGO	0	0	1000	0	0	0	0	1000	5	2		
primary cooperative society	-	-	-	-	-	-	-	-	-	-	0	
output buyer/food processor	-	-	-	-	-	-	-	-	-	-	0	
credit agency	-	-	-	-	-	-	-	-	-	-	0	
others	32	374	19	0	0	574	0	1000	26	15		
estd. no. of hhs (00)	128	192	94	18	32	96	0	312	-	-		
sample no. of hhs	53	80	48	11	13	42	0	149	-	-		

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Orissa

source	no. per 1000 of households reporting suggestion for improvement										estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
participation in training	283	274	187	146	0	110	0	1000	272	14		
krishi vigyan kendra	187	0	0	0	0	813	0	1000	32	2		
extension worker	373	170	246	67	25	118	0	1000	2665	117		
television	294	155	194	83	56	217	0	1000	2581	151		
radio	274	259	101	53	29	274	11	1000	2539	134		
newspaper	373	260	69	70	43	184	0	1000	1636	92		
village fair	163	0	306	0	0	531	0	1000	256	18		
government demonstration	0	103	667	0	0	231	0	1000	473	20		
input dealer	541	11	104	39	92	205	8	1000	3452	188		
other progressive farmers	222	20	21	21	78	628	9	1000	2955	153		
farmers' study tour	0	0	1000	0	0	0	0	1000	8	1		
para technician/ private agency/NGO	771	125	104	0	0	0	0	1000	81	5		
primary cooperative society	491	13	252	3	17	187	38	1000	739	47		
output buyer/food processor	409	0	71	0	0	362	158	1000	176	11		
credit agency	416	0	9	5	14	556	0	1000	404	23		
others	152	0	0	848	0	0	0	1000	231	6		
estd. no. of hhs (00)	4638	1484	2053	957	797	3973	28	10834	-	-		
sample no. of hhs	232	63	104	48	49	196	1	514	-	-		

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

source	no. per 1000 of households reporting suggestion for improvement										sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
(1)	improvement in quality and reliability of information	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source	
participation in training	254	181	295	63	100	106	0	1000	162	16	
krishi vigyan kendra	570	160	67	0	91	112	0	1000	139	12	
extension worker	332	77	37	0	51	502	0	1000	250	19	
television	207	322	126	52	3	289	0	1000	3044	183	
radio	345	371	151	0	8	125	0	1000	992	51	
newspaper	383	145	72	55	5	340	0	1000	1489	91	
village fair	232	49	159	0	66	494	0	1000	463	32	
government demonstration	423	302	108	0	0	167	0	1000	164	21	
input dealer	466	47	62	2	57	366	0	1000	661	51	
other progressive farmers	184	571	125	0	1	119	0	1000	788	53	
farmers' study tour	1000	0	0	0	0	0	0	1000	24	1	
para technician/ private agency/NGO	50	950	0	0	0	0	0	1000	17	2	
primary cooperative society	291	231	104	0	63	310	0	1000	1057	62	
output buyer/food processor	276	0	0	0	76	648	0	1000	143	5	
credit agency	170	171	54	0	119	486	0	1000	408	29	
others	0	0	0	0	0	1000	0	1000	51	3	
estd. no. of hhs (00)	1392	1681	702	175	192	1580	0	4920	-	-	
sample no. of hhs	106	90	36	9	13	99	0	305	-	-	

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Rajasthan

source	no. per 1000 of households reporting suggestion for improvement							estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)			(9)
(1)										
participation in training	313	192	89	6	41	360	0	1000	229	18
krishi vigyan kendra	52	129	155	167	83	414	0	1000	393	21
extension worker	296	174	301	0	88	142	0	1000	759	48
television	283	157	197	74	17	272	0	1000	1117	83
radio	249	109	126	148	74	293	0	1000	1511	106
newspaper	345	207	103	26	29	290	0	1000	1089	81
village fair	85	301	0	0	0	615	0	1000	95	5
government demonstration	399	8	229	0	142	223	0	1000	396	23
input dealer	232	55	27	29	296	361	0	1000	2952	135
other progressive farmers	112	138	3	75	265	407	0	1000	2798	130
farmers' study tour	0	927	0	0	0	73	0	1000	20	2
para technician/ private agency/NGO	0	1000	0	0	0	0	0	1000	89	3
primary cooperative society	344	109	86	13	120	328	0	1000	549	43
output buyer/food processor	0	0	109	0	0	891	0	1000	43	2
credit agency	215	98	0	10	141	535	0	1000	780	35
others	85	0	0	0	93	822	0	1000	196	9
estd. no. of hhs (00)	1908	1267	728	591	1381	2908	0	7786	-	-
sample no. of hhs	125	74	52	36	53	155	0	432	-	-

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Sikkim	source	no. per 1000 of households reporting suggestion for improvement										sample no. of hhs accessing the source
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
(1)	improvement in quality and reliability of information	no. per 1000 of households reporting suggestion for improvement	improvement of quality of presentation	increase in frequency of demonstration	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source		
	36	0	320	20	0	624	0	1000	3	5		
participation in training	0	1000	0	0	0	0	0	1000	0	1		
krishi vigyan kendra	241	308	83	22	111	236	0	1000	227	228		
extension worker	321	214	53	0	0	411	0	1000	29	41		
television	288	240	54	0	0	379	40	1000	51	56		
radio	344	60	0	0	0	596	0	1000	4	8		
newspaper	0	134	4	138	0	725	0	1000	13	14		
village fair	70	30	554	109	171	35	30	1000	21	36		
government demonstration	0	0	0	0	1000	0	0	1000	2	2		
input dealer	0	0	0	0	1000	0	0	1000	0	1		
other progressive farmers	-	-	-	-	-	-	-	-	-	0		
farmers' study tour	194	53	0	0	4	749	0	1000	12	19		
para technician/ private agency/NGO	216	629	0	114	27	15	0	1000	24	26		
primary cooperative society	5	202	0	2	701	91	0	1000	30	35		
output buyer/food processor	0	0	0	0	0	1000	0	1000	0	2		
credit agency	-	-	-	-	-	-	-	-	-	0		
others	80	96	36	12	46	95	2	288	-	-		
estd. no. of hhs (00)	93	108	35	14	51	101	2	300	-	-		
sample no. of hhs												

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

source	Tamil Nadu										
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	improvement in quality and reliability of information	no. per 1000 of households reporting suggestion for improvement	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
participation in training	273	281	141	2	94	208	0	1000	1582	85	
krishi vigyan kendra	815	32	18	0	18	117	0	1000	52	7	
extension worker	432	215	189	10	22	132	0	1000	5187	307	
television	424	147	123	46	12	249	0	1000	7633	555	
radio	351	170	149	50	13	267	0	1000	6341	477	
newspaper	432	148	63	97	21	239	0	1000	5576	404	
village fair	422	178	77	45	80	198	0	1000	595	60	
government demonstration	237	84	426	72	33	147	0	1000	1355	103	
input dealer	586	57	60	10	2	286	0	1000	3660	205	
other progressive farmers	315	84	55	70	55	421	0	1000	8146	553	
farmers' study tour	497	72	267	0	65	99	0	1000	163	12	
para technician/ private agency/NGO	132	0	452	0	29	386	0	1000	632	65	
primary cooperative society	358	130	81	71	48	312	0	1000	3241	229	
output buyer/food processor	669	55	21	37	30	188	0	1000	1831	114	
credit agency	606	48	37	62	12	235	0	1000	1313	84	
others	693	0	25	106	17	158	0	1000	1141	62	
estd. no. of hhs (00)	8012	4044	3980	2028	1155	6349	0	19444	-	-	
sample no. of hhs	522	266	312	130	101	461	0	1373	-	-	

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

source	no. per 1000 of households reporting suggestion for improvement										sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
(1)	improvement in quality and reliability of information	no. per 1000 of households reporting suggestion for improvement	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source	
participation in training	190	18	772	0	0	20	0	1000	37	25	
krishi vigyan kendra	0	0	0	0	0	0	1000	1000	3	1	
extension worker	74	118	656	40	0	112	0	1000	40	31	
television	530	10	135	29	0	179	117	1000	94	47	
radio	435	185	171	67	0	30	112	1000	174	72	
newspaper	665	43	136	69	0	63	25	1000	79	37	
village fair	108	124	597	170	0	0	0	1000	26	19	
government demonstration	352	0	554	6	0	78	10	1000	90	51	
input dealer	1000	0	0	0	0	0	0	1000	1	1	
other progressive farmers	1000	0	0	0	0	0	0	1000	12	4	
farmers' study tour	1000	0	0	0	0	0	0	1000	1	2	
para technician/ private agency/NGO	-	-	-	-	-	-	-	-	-	0	
primary cooperative society	907	37	0	18	0	38	0	1000	61	33	
output buyer/food processor	1000	0	0	0	0	0	0	1000	1	1	
credit agency	1000	0	0	0	0	0	0	1000	1	1	
others	-	-	-	-	-	-	-	-	-	0	
estd. no. of hhs (00)	210	44	93	20	0	33	20	384	-	-	
sample no. of hhs	90	23	49	12	0	22	6	179	-	-	



Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Uttar Pradesh

source	no. per 1000 of households reporting suggestion for improvement										estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
	improvement in quality and reliability of information	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
participation in training	253	47	202	0	9	71	418	1000	954	46		
krishi vigyan kendra	234	99	53	35	97	59	423	1000	803	33		
extension worker	229	221	140	21	83	111	195	1000	1854	80		
television	357	196	207	62	42	85	50	1000	11132	513		
radio	391	202	111	72	28	163	32	1000	25700	1021		
newspaper	401	156	147	48	68	118	63	1000	6816	333		
village fair	385	139	154	58	22	94	149	1000	2905	120		
government demonstration	319	143	217	22	0	64	234	1000	1420	65		
input dealer	418	199	53	84	101	118	27	1000	14201	568		
other progressive farmers	395	167	34	49	117	229	8	1000	32507	1226		
farmers' study tour	159	137	0	49	6	85	563	1000	592	27		
para technician/ private agency/NGO	96	194	136	51	36	101	386	1000	863	39		
primary cooperative society	212	111	158	255	82	98	84	1000	4329	169		
output buyer/food processor	167	138	70	290	146	44	147	1000	2310	88		
credit agency	124	134	132	186	26	66	332	1000	1055	45		
others	298	121	38	38	53	351	101	1000	3538	137		
estd. no. of hhs (00)	26852	13748	7293	5496	6399	12349	1482	57661	-	-		
sample no. of hhs	1043	532	294	227	255	470	67	2263	-	-		

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

source	no. per 1000 of households reporting suggestion for improvement										sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
(1)	improvement in quality and reliability of information	no. per 1000 of households reporting suggestion for improvement	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source	
participation in training	144	122	221	499	0	13	0	1000	214	12	
krishi vigyan kendra	-	-	-	-	-	-	-	-	-	0	
extension worker	0	0	0	1000	0	0	0	1000	107	2	
television	405	4	155	57	126	254	0	1000	404	20	
radio	35	0	484	0	0	481	0	1000	208	9	
newspaper	1000	0	0	0	0	0	0	1000	20	2	
village fair	-	-	-	-	-	-	-	-	-	0	
government demonstration	0	0	61	900	0	39	0	1000	118	4	
input dealer	756	16	9	0	93	126	0	1000	791	37	
other progressive farmers	751	32	0	19	43	155	0	1000	2009	81	
farmers' study tour	-	-	-	-	-	-	-	-	-	0	
para technician/ private agency/NGO	0	0	0	0	1000	0	0	1000	19	3	
primary cooperative society	300	306	0	0	204	190	0	1000	24	4	
output buyer/food processor	0	0	0	0	0	1000	0	1000	5	1	
credit agency	0	0	0	612	0	388	0	1000	12	2	
others	0	0	0	1000	0	0	0	1000	7	1	
estd. no. of hhs (00)	1804	100	217	167	94	512	0	2697	-	-	
sample no. of hhs	68	6	11	5	9	29	0	116	-	-	

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

West Bengal

source	no. per 1000 of households reporting suggestion for improvement										estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
participation in training	398	184	83	24	62	243	6	1000	722	57		
krishi vigyan kendra	33	19	0	151	463	27	306	1000	195	12		
extension worker	342	168	256	19	149	47	19	1000	2832	168		
television	218	222	147	87	35	285	6	1000	4594	296		
radio	247	236	142	69	43	237	26	1000	14401	778		
newspaper	246	273	189	53	43	187	8	1000	3910	253		
village fair	175	134	256	98	67	268	2	1000	2734	157		
government demonstration	304	172	333	84	4	99	3	1000	1313	67		
input dealer	414	74	54	58	123	235	43	1000	24634	1334		
other progressive farmers	335	72	62	45	112	315	59	1000	17071	917		
farmers' study tour	0	606	204	0	0	190	0	1000	105	6		
para technician/ private agency/NGO	152	57	324	0	132	336	0	1000	496	23		
primary cooperative society	508	45	62	80	55	208	42	1000	1458	65		
output buyer/food processor	789	40	19	33	61	55	3	1000	1292	66		
credit agency	319	120	43	378	45	86	8	1000	494	32		
others	411	80	0	16	11	477	5	1000	1573	99		
estd. no. of hhs (00)	16838	7616	5664	3710	5776	12437	1601	42175	-	-		
sample no. of hhs	922	395	294	207	286	705	76	2306	-	-		

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source

Group of Uts	source	no. per 1000 of households reporting suggestion for improvement										sample no. of hhs accessing the source
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
		improvement in quality and reliability of information	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider	others	n.r.	all	estd. no. of hhs accessing the source (00)		
	(1)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
	participation in training	4	30	130	70	95	671	0	1000	53	19	
	krishi vigyan kendra	0	0	16	0	0	984	0	1000	30	7	
	extension worker	46	28	445	0	0	480	0	1000	56	22	
	television	130	281	72	125	11	381	0	1000	92	75	
	radio	182	16	226	6	0	571	0	1000	54	43	
	newspaper	22	11	227	4	1	736	0	1000	70	35	
	village fair	55	3	0	0	0	942	0	1000	20	7	
	government demonstration	155	190	104	177	0	374	0	1000	62	30	
	input dealer	128	116	78	24	57	597	0	1000	63	25	
	other progressive farmers	270	126	32	137	28	408	0	1000	197	108	
	farmers' study tour	0	96	0	0	0	904	0	1000	4	3	
	para technician/ private agency/NGO	0	0	0	26	0	974	0	1000	19	6	
	primary cooperative society	196	55	0	15	12	722	0	1000	45	23	
	output buyer/food processor	50	21	124	0	47	759	0	1000	82	33	
	credit agency	23	0	1	0	0	976	0	1000	32	12	
	others	34	195	0	269	339	163	0	1000	56	15	
	estd. no. of hhs (00)	98	84	68	66	39	159	0	372	-	-	
	sample no. of hhs	65	60	44	37	18	82	0	221	-	-	

Table 6: Per 1000 distribution of farmer households reporting suggestion for improvement of extension services in each type of source  
India

source	(1)	no. per 1000 of households reporting suggestion for improvement					(7)	n.r.	(8)	(9)	estd. no. of hhs accessing the source (00)	sample no. of hhs accessing the source
		improvement in quality and reliability of information	timeliness of information	increase in frequency of demonstration	improvement of quality of presentation	improvement of professional competence of information provider						
participation in training	300	178	202	48	54	165	54	1000	8233	664		
krishi vigyan kendra	259	193	144	82	68	180	73	1000	6136	453		
extension worker	344	201	180	41	75	149	9	1000	51127	2890		
television	305	186	175	87	33	203	11	1000	83388	5733		
radio	328	199	141	77	33	207	15	1000	116436	7530		
newspaper	369	180	105	73	43	222	9	1000	62400	4359		
village fair	330	162	173	68	37	201	30	1000	17990	1182		
government demonstration	286	163	301	58	30	144	19	1000	18216	1233		
input dealer	393	128	69	61	86	247	15	1000	116827	5991		
other progressive farmers	323	123	49	78	87	328	13	1000	148989	7718		
farmers' study tour	228	175	159	27	25	232	155	1000	2152	171		
para technician/ private agency/NGO	181	136	246	69	52	253	63	1000	5252	394		
primary cooperative society	332	139	121	113	65	214	16	1000	32091	1786		
output buyer/food processor	316	109	82	100	147	220	25	1000	20708	1239		
credit agency	300	105	63	66	99	343	23	1000	16410	926		
others	307	109	36	104	52	363	30	1000	15014	839		
estd. no. of hhs (00)	146534	75495	57571	39289	34479	105853	4528	360793	-	-		
sample no. of hhs	8308	4278	3487	2202	1906	6368	332	20979	-	-		

## APPENDIX – B

### Sample Design and Estimation Procedure

1. Geographical coverage: The survey covered rural areas of the whole of the Indian Union *except* (i) Leh (Ladakh) and Kargil districts of Jammu & Kashmir, (ii) interior villages of Nagaland situated beyond five kilometres of the bus route and (iii) villages in Andaman and Nicobar Islands which remain inaccessible throughout the year. Urban areas were wholly excluded from this survey.

2. Period of survey: The survey period of the 59<sup>th</sup> round was January to December, 2003.

3. Sub-rounds: The survey period was divided into two sub-rounds. Sub-round one consisted of the first half of the survey period of each visit while sub-round two consisted of the remaining period. Equal numbers of sample FSU's are allotted to each sub-round and an FSU is normally surveyed in the sub-round to which it is allotted. Because of arduous field conditions, this restriction was not strictly enforced in Andaman and Nicobar Islands, Lakshadweep, and rural areas of Arunachal Pradesh and Nagaland.

4. Visits: There were four subjects of enquiry in the 59<sup>th</sup> round of NSS: Land and Livestock Holdings (Sch.18.1), Debt and Investment (Sch.18.2), Consumer Expenditure (Sch.1.0), and Situation Assessment Survey of Farmers (Sch.33). Only the situation assessment survey was restricted to rural India; the others covered both rural and urban areas of the country. With the exception of consumer expenditure, all the enquiries required two visits to each sample household for collection of data: one during January to August and the other during September to December. Accordingly, each sample first stage unit (village or block) was visited twice by the investigator to whom it was allotted. A small proportion of households could not be surveyed a second time due to varying reasons; for these, only one set of data could be collected. Some items of information were in any case collected in the first visit only; these included general household characteristics, age, sex, educational level and other characteristics of household members, awareness of certain aspects of farming and access to modern technology etc. Canvassing of the listing schedule (Sch. 0.0) and selection of the sample households was carried out in the first visit only.

5. Participation of States: Situation Assessment Survey of Farmers was conducted in the Central sample for all the States/UTs. In the State sample, Andhra Pradesh, Chandigarh, Gujarat, Maharashtra, Meghalaya, Orissa and Tripura participated.

#### 6. Sample Design

6.1 Broad design: A stratified multi-stage design was adopted for the 59<sup>th</sup> round survey. The first stage unit (FSUs) were the census villages in the rural sector (panchayat wards in Kerala). The ultimate stage units (USUs) were households. Hamlet-groups constituted the intermediate stage whenever these were formed in the selected village.

6.2 Sampling frame for First Stage Units: The list of villages (panchayat wards for Kerala) as per Population Census 1991 was used as sampling frame.

6.3 Stratification (Rural Sector) : Two *special strata* have been formed at the State/ UT level, viz.,

Stratum 1: all FSUs with population between 0 and 50 and

Stratum 2: FSUs with population more than 15,000.

Special stratum 1 was formed whenever at least 50 such FSUs were found in a State/UT. Similarly, special stratum 2 was formed if at least 4 such FSUs were found in a State/UT. Otherwise, such FSUs were merged with the general strata.

From FSUs other than those covered under special strata 1 and 2, *general strata* were formed and its numbering started from 3. Each district of a State/UT was normally treated as a separate stratum. However, if the census rural population of the district was greater than or equal to 2 million as per population census 1991 or 2.5 million as per population census 2001, the district was split into two or more strata by grouping contiguous tehsils. However, in Gujarat, some districts were not wholly included in an NSS region. In such cases, the part of the district falling in an NSS region constituted a separate stratum.

6.4 Total sample size (FSUs) and allocation to States and UTs: 10608 FSUs were allocated at all-India level on the basis of investigator strength to different States/UTs for Central sample. The total number of sample FSUs has then been allocated to the States and UTs in proportion to provisional population as per Census 2001 subject to the availability of investigators ensuring more or less uniform work-load.

6.5 Allocation of State/UT Level Sample to Rural and Urban Sectors: State/UT level sample size was allocated between the two sectors in proportion to provisional population as per *Census 2001* with 1.5 weightage to urban sector subject to the restriction that the urban sample size for bigger states like Maharashtra, Tamil Nadu etc. would not exceed the rural sample size. Thus, a total of 6784 villages were to be selected in the rural sector all over the country.

6.6 Allocation to Strata: Within each sector of a State/UT, the respective sample size was allocated to the different strata in proportion to the stratum population as per Census 2001. Allocations at stratum level were adjusted to a multiple of 2 with a minimum sample size of 2. However, a multiple of 4 FSUs was allocated to a stratum wherever possible.

6.7 Selection of FSUs: FSUs were selected with Probability Proportional to Size With Replacement (PPSWR), size being the population as per Population Census 1991 in all the strata for the rural sector except for stratum 1. In stratum 1 of the rural sector, selection was done using Simple Random Sampling Without Replacement (SRSWOR). Samples were drawn in the form of two independent sub-samples.

## 7. Selection of Hamlet-groups and Households

7.1 Formation of Hamlet-group: Large villages having approximate *present population* 1200 or more are divided into a suitable number of hamlet-groups (hg's) as given below:

approximate present population of the sample village	no. of hamlet-groups (hg's) to be formed
less than 1200	1 (i.e.no hg formation)
1200 to 1799	3
1800 to 2399	4
2400 to 2999	5
3000 to 3599	6
.....and so on	

For rural areas of Himachal Pradesh, Sikkim, Nagaland and Poonch, Rajouri, Udhampur, Doda districts of Jammu and Kashmir, the number of hamlet-groups (hg's) formed was as follows.

approximate present population of the sample village	no. of hamlet-groups (hg's) to be formed
less than 600	1 (i.e.no hg formation)
600 to 899	3
900 to 1199	4
1200 to 1499	5
.....and so on	

Hamlet-groups were formed by more or less equalising population. Two hamlet-groups were selected from a large village by SRSWOR. Listing and selection of the households was done independently in the two selected hamlet-groups so formed.

8. Formation of Second Stage Strata (SSS): After listing of the households in a village or in each of the two selected hamlet-groups in the village, the households were divided into suitable number of second stage strata.

8.1 Schedule 33: Situation Assessment Survey (SAS): Four different second stage strata were formed. The demarcation of the second stage strata (SSS) was as follows:

For the purpose of stratification, only a particular set of rural households i.e. the set of farmer households were considered. By farmer household it is meant a household that possessed some land and was engaged in some farming activity during the last 365 days. Now SSS 1 was formed by all the farmer households possessing land less than 0.005 hectares. SSS 2, 3 and 4 were formed by the farmer households possessing land equal to 0.005 hectares or more. They were determined as under:

From the data of NSS 48<sup>th</sup> round, households having land area 0.005 hectares or more were considered. Two cut-off points, X and Y, were determined at State/UT level in such a way that 40% of these households possessed land area less than X, 40% possessed land area between X & Y and 20% possessed land area greater than Y.

Listed farmer households with land less than X formed SSS 2, those with land between X and Y constituted SSS 3 and those with land more than Y were in SSS 4.

Thus, the detailed constitution of the second stage strata for Schedule 33 was :

- SSS 1: households possessing land less than 0.005 ha and engaged in farming activity during the last 365 days
- SSS 2: households possessing land equal to or more than 0.005 ha but less than X and engaged in farming activity during the last 365 days
- SSS 3: households possessing land equal to or more than X but less than Y and engaged in farming activity during the last 365 days
- SSS 4: households possessing land equal to or more than Y and engaged in farming activity during the last 365 days



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Table 1: The values of cut-off points X & Y of land possessed (in hectares) for each State/UT

State/UT	X	Y
(1)	(2)	(3)
Andhra Pradesh	0.223	1.574
Arunachal Pradesh	1.255	2.024
Assam	0.405	1.214
Bihar	0.154	0.979
Chattisgarh	0.809	2.149
Goa	0.125	0.712
Gujarat	0.773	2.930
Haryana	0.494	2.469
Himachal Pradesh	0.389	1.214
Jammu & Kashmir	0.575	1.566
Jharkhand	0.405	1.307
Karnataka	0.805	2.432
Kerala	0.069	0.445
Madhya Pradesh	1.052	3.752
Maharashtra	0.817	3.246
Manipur	0.299	1.052
Meghalaya	0.538	1.348
Mizoram	0.567	1.214
Nagaland	0.688	1.214
Orissa	0.401	1.352
Punjab	0.024	2.141
Rajasthan	1.085	4.152
Sikkim	0.607	1.862
Tamil Nadu	0.032	0.830
Tripura	0.162	0.728
Uttar Pradesh	0.348	1.384
Uttaranchal	0.283	0.809
West Bengal	0.138	0.850
A & N Islands	0.073	2.024
Chandigarh	0.125	1.251
D & N Haveli	0.506	1.085
Daman & Diu	0.182	0.971
Delhi	0.016	0.417
Lakshadweep	0.081	0.182
Pondicherry	0.016	0.421

---

9. Allocation and selection of sample households: Two households were selected from each second-stage stratum, which means an allocation of 8 sample households to each sample FSU. In case of hamlet-group formation, one household was selected from each SSS of each hamlet-group. Sample households were selected by SRSWOR in each SSS of each hamlet-group.

## 10. Estimation Procedure

### 10.1 Notations:

s = subscript for stratum

m = subscript for sub-sample (m = 1, 2)

i = subscript for FSU [village (panchayat ward)]

d = subscript for a hamlet-group (d = 1, 2)

j = subscript for second stage stratum of an FSU/hg

k = subscript for sample household under a particular second stage stratum within an FSU/ hg

D = total number of hg's formed in the sample village (panchayat ward for Kerala)

$D^* = 1$  if  $D = 1$

=  $D / 2$  for FSUs with  $D > 1$

N = total number of FSUs in rural stratum 1

Z = total size of a rural stratum other than stratum 1 (= sum of sizes for all the FSUs of a rural stratum other than stratum 1)

z = size of sample village used for selection.

n = number of sample villages surveyed including zero cases but excluding casualties for a particular sub-sample and stratum.

H = total number of households listed in a second-stage stratum of a hamlet-group of sample FSU

h = number of households surveyed in a second-stage stratum of a hamlet-group of sample FSU

x, y = observed value of characteristics x, y under estimation

$\hat{X}$ ,  $\hat{Y}$  = estimate of population total X, Y for the characteristics x, y

In terms of the above symbols,

$y_{smidjk}$  = observed value of the characteristic y for the k-th household in the j-th second stage stratum of the d-th hg (d = 1, 2) of the i-th FSU belonging to the m-th sub-sample for the s-th stratum;

However, for ease of understanding, a few symbols have been suppressed in the following paragraphs where they are obvious.

10.2 Formulae for estimation of aggregates for a particular sub-sample and stratum in rural sector (Schedule 33 was canvassed in rural sector only):

(a) Estimation formula for stratum 1:

(i) For households selected in j-th second stage stratum:

$$\hat{Y}_j = \frac{N}{n_j} \sum_{i=1}^{n_j} D_i^* \left[ \frac{H_{i1j}}{h_{i1j}} \sum_{k=1}^{h_{i1j}} y_{i1jk} + \frac{H_{i2j}}{h_{i2j}} \sum_{k=1}^{h_{i2j}} y_{i2jk} \right]$$

(ii) For all selected households:

$$\hat{Y} = \sum_j \hat{Y}_j$$

(b) Estimation formula for other strata:

(i) For households selected in j-th second stage stratum:

$$\hat{Y}_j = \frac{Z}{n_j} \sum_{i=1}^{n_j} \frac{1}{Z_i} D_i^* \left[ \frac{H_{1j}}{h_{1j}} \sum_{k=1}^{h_{1j}} y_{1jk} + \frac{H_{i2j}}{h_{i2j}} \sum_{k=1}^{h_{i2j}} y_{i2jk} \right]$$

(ii) For all selected households:

$$\hat{Y} = \sum_j \hat{Y}_j$$

10.3 Overall estimate for aggregates:

Overall estimate for aggregates for a stratum ( $\hat{Y}_s$ ) based on two sub-samples is obtained as:

$$\hat{Y}_s = \frac{1}{2} \sum_{m=1}^2 \hat{Y}_{sm}$$

10.4 Overall estimate of aggregates at State/UT/all-India level:

The overall estimate  $\hat{Y}$  at the State/ UT/ all-India level is obtained by summing the stratum estimates  $\hat{Y}_s$  over all strata belonging to the State/ UT/ all-India.

10.5 Estimates of ratios:

Let  $\hat{Y}$  and  $\hat{X}$  be the overall estimate of the aggregates Y and X for two characteristics y and x respectively at the State/ UT/ all-India level.

Then the combined ratio estimate ( $\hat{R}$ ) of the ratio ( $R = \frac{Y}{X}$ ) is obtained as

$$\hat{R} = \frac{\hat{Y}}{\hat{X}}$$

### 10.6 Estimates of error:

The variances of the above estimates are estimated as follows:

A) For aggregate  $\hat{Y}$ :

$$\hat{V}ar(\hat{Y}) = \sum_s \hat{V}ar(\hat{Y}_s)$$

where  $\hat{V}ar(\hat{Y}_s)$  are as given below.

a) For strata with PPSWR selection at first stage (i.e. for all rural strata except stratum 1):

$$\hat{V}ar_{ppswr}(\hat{Y}_s) = \sum_j \hat{V}ar(\hat{Y}_{sj})$$

$$\text{where } \hat{V}ar_{ppswr}(\hat{Y}_{sj}) = \frac{1}{n_{sj}(n_{sj} - 1)} \left[ \sum_{i=1}^{n_{sj}} \frac{Z_s^2 \hat{Y}_{sij}^2}{Z_{si}^2} - n_{sj} \hat{Y}_{sj}^2 \right],$$

$$\hat{Y}_{sij} = D_{sj}^* \left[ \frac{H_{n_j}}{h_{n_j}} \sum_{k=1}^{h_{n_j}} y_{n_jk} + \frac{H_{i2j}}{h_{i2j}} \sum_{k=1}^{h_{i2j}} y_{i2jk} \right]$$

b) For strata with SRSWOR selection at first stage (i.e. for rural stratum 1):

$$\hat{V}ar_{srswor}(\hat{Y}_s) = \frac{1}{4} (\hat{Y}_{s1} - \hat{Y}_{s2})^2,$$

where  $\hat{Y}_{s1}$  and  $\hat{Y}_{s2}$  are the estimates for sub-sample 1 and sub-sample 2 respectively for stratum 's'.

B) For ratio  $\hat{R}$ :

$$\hat{M}SE(\hat{R}) = \frac{1}{(\hat{X})^2} \left[ \sum_s \hat{M}SE_s(\hat{R}) + \sum_{s'} \hat{M}SE_{s'}(\hat{R}) \right]$$

where  $s, s'$  indicate respectively the strata with PPSWR and SRSWOR selection at first stage.

a) For strata with PPSWR selection at first stage (i.e. for all rural strata except stratum 1):

$$\hat{M}SE_s(\hat{R}) = \frac{1}{n_s(n_s - 1)} \sum_{i=1}^{n_s} \left[ \frac{Z_s}{Z_{si}} (\hat{Y}_{si} - \hat{R} \hat{X}_{si}) - \frac{1}{n_s} \sum_{i=1}^{n_s} \frac{Z_s}{Z_{si}} (\hat{Y}_{si} - \hat{R} \hat{X}_{si}) \right]^2$$

where

$$\hat{Y}_{si} = \sum_j \hat{Y}_{sij}, \quad \hat{X}_{si} = \sum_j \hat{X}_{sij},$$

$$\hat{Y}_{sij} = D_{si}^* \left[ \frac{H_{s1j}}{h_{s1j}} \sum_{k=1}^{h_{s1j}} y_{s1jk} + \frac{H_{s2j}}{h_{s2j}} \sum_{k=1}^{h_{s2j}} y_{s2jk} \right],$$

$$\hat{X}_{sij} = D_{si}^* \left[ \frac{H_{s1j}}{h_{s1j}} \sum_{k=1}^{h_{s1j}} x_{s1jk} + \frac{H_{s2j}}{h_{s2j}} \sum_{k=1}^{h_{s2j}} x_{s2jk} \right]$$

b) For strata with SRSWOR selection at first stage (i.e. for rural stratum 1):

$$M\hat{S}E_{s'}(\hat{R}) = \frac{1}{4} \left[ (\hat{Y}_{s'1} - \hat{Y}_{s'2})^2 + \hat{R}^2 (\hat{X}_{s'1} - \hat{X}_{s'2})^2 - 2\hat{R}(\hat{Y}_{s'1} - \hat{Y}_{s'2})(\hat{X}_{s'1} - \hat{X}_{s'2}) \right]$$

c) Estimates of RSE:

$$R\hat{S}E(\hat{Y}) = \frac{\sqrt{\text{Var}(\hat{Y})}}{\hat{Y}} \times 100$$

$$R\hat{S}E(\hat{R}) = \frac{\sqrt{M\hat{S}E(\hat{R})}}{\hat{R}} \times 100$$

## 11. Multipliers:

The formulae for multipliers for a sub-sample under Schedule 33 are given below:

stratum	formula for multipliers	
	hg 1	hg 2
rural stratum 1	$\frac{N_s}{n_{smj}} \times D_{smi}^* \times \frac{H_{sm1j}}{h_{sm1j}},$ j = 1, 2, 3, 4	$\frac{N_s}{n_{sm}} \times D_{smi}^* \times \frac{H_{smi2j}}{h_{smi2j}},$ j = 1, 2, 3, 4
all other rural strata	$\frac{Z_s}{n_{sm}} \times \frac{1}{Z_{smi}} \times D_{smi}^* \times \frac{H_{sm1j}}{h_{sm1j}},$ j = 1, 2, 3, 4	$\frac{Z_s}{n_{sm}} \times \frac{1}{Z_{smi}} \times D_{smi}^* \times \frac{H_{smi2j}}{h_{smi2j}},$ j = 1, 2, 3, 4

Note: (i) For estimating any characteristic for any domain not specifically considered in sample design, indicator variable is used.

(ii) Multipliers are computed on the basis of information available in the listing Schedule 0.0 irrespective of any misclassification observed between the listing schedule and the detailed enquiry schedule (i.e. Schedule 33).

## 12. Treatment for zero cases, casualty cases etc.:

12.1 While counting the number of FSUs surveyed ( $n_{sm}$ ) in a stratum, all the FSUs with survey codes 1 to 6 in Schedule 0.0 are considered. In addition, if no household is available in the frame then also that FSU is treated as surveyed. However, if the households of Schedule 33 are available in the frame of the FSU but none of these could be surveyed then that FSU has to be treated as casualty and it is not treated as surveyed.

12.2 *Casualty cases*: FSUs with survey code 7 as per Schedule 0.0 are treated as casualties. In addition to this, an FSU, although surveyed, may have to be treated as casualty for Schedule 33 and a particular *second stage stratum* as given in the following paragraph:

12.2.1 FSUs with survey codes 1 and 4 as per Schedule 0.0 having number of households in the frame of j-th second stage stratum greater than 0 but number of households surveyed according to data file, considering both hg together, as nil (i.e.  $H_{i1j} + H_{i2j} > 0$  but  $h_{i1j} + h_{i2j} = 0$ ) will be taken as casualties for j-th second stage stratum.

*All the FSUs with survey codes 1 to 6 as per Schedule 0.0 minus the number of casualties as identified above are taken as the number of surveyed FSUs ( $n_{smj}$ ) for that stratum  $\times$  second stage stratum.*

When casualty for j-th second stage stratum occurs for a particular hg but not for the other hg, the FSU is not treated as casualty but some adjustments in the value of H for the other hg are done as follows:

(i) Suppose for hg 1,  $H_{i1j} > 0$  but  $h_{i1j} = 0$  while for hg 2,  $H_{i2j} > 0$  and  $h_{i2j} > 0$ . In that case  $D_i^* \times H_{i2j}$  is replaced by  $H_{i1j} + D_i^* \times H_{i2j}$  in the formula for multiplier of segment 2.

(ii) Suppose for hg 1,  $H_{i1j} > 0$  and  $h_{i1j} > 0$  while for hg 2,  $H_{i2j} > 0$  but  $h_{i2j} = 0$ . In that case  $H_{i1j}$  is replaced by  $H_{i1j} + D_i^* \times H_{i2j}$  in the formula for multiplier of hg 1.

*It may be noted that  $n_{smj}$  is same for hg 1 & 2 of an FSU.*

## 13. Treatment in cases of void second-stage strata/ sub-strata/ strata/ NSS region at FSU or household level

13.1 A stratum may become void through all the FSUs belonging to the stratum being casualties. This may occur in one sub-sample or in both the sub-samples. If it relates to only one sub-sample, then estimate for the void stratum is replaced by the estimate as obtained from the other sub-sample for the same stratum.

13.2 When a stratum is void in both the sub-samples, the following procedure is followed:

*Case(I): Stratum void cases at FSU level (i.e. all FSUs having survey code 7):*

i) If a rural stratum, except stratum 1, is void then it is merged with a similar stratum within the same NSS region. However, if rural stratum 1 is void for any State/UT, it is not merged with other stratum.

- ii) If all the strata within an NSS region is void, it is excluded from the coverage of the survey. The state level estimates are based on the estimates of NSS regions for which estimates are available.

*Case (II): Stratum void case at second stage stratum level (i.e. all the FSUs are casualties for a particular second stage stratum):*

An FSU may be a casualty for a particular *second stage stratum* although the survey code is not 7. If all the FSUs of a stratum become casualties in this manner for a particular *second stage stratum*, the stratum will become void. The adjustment for this type of stratum void case is done according to the following guidelines.

The adjustment is made involving other strata (within NSS region) of the State/UT. Suppose A, B, C, and D are the four strata in the State/ UT/ region and stratum C is void for j-th *second stage stratum*. If  $\hat{Y}_{aj}$ ,  $\hat{Y}_{bj}$  and  $\hat{Y}_{dj}$  are the aggregate estimates for the strata A, B and D respectively, then the estimate  $\hat{Y}_{cj}$  for stratum C is obtained as  $\left( \frac{\hat{Y}_{aj} + \hat{Y}_{bj} + \hat{Y}_{dj}}{Z_a + Z_b + Z_d} \times Z_c \right)$ , where

$Z_a$ ,  $Z_b$ ,  $Z_c$  and  $Z_d$  are the sizes of strata A, B, C and D respectively.

# Appendix - C

RURAL

CENTRAL

GOVERNMENT OF INDIA  
NATIONAL SAMPLE SURVEY ORGANISATION  
SOCIO-ECONOMIC SURVEY  
FIFTY-NINTH ROUND: JANUARY - DECEMBER 2003  
SCHEDULE 33: SITUATION ASSESSMENT SURVEY OF FARMERS

VISIT 1

[0] descriptive identification of sample household	
1. state/u.t.:	5. hamlet name:
2. district:	6. name of head of household:
3. tehsil:	7. name of informant:
4. village name:	

[1] identification of sample household					
item no.	item	code	item no.	item	code
1.	sl. number of sample village/ block		11.	FOD sub-region	
2.	round number	5    9	12.	sample hamlet-group number	
			13.	second stage stratum	
3.	schedule number	3    3	14.	visit number	1
4.	sample (central-1, state-2)	1	15.	sample household number	
5.	sector (rural - 1, urban - 2)	1	16.	sl. no. of informant (as in col.1, block 4)	
6.	state-region		17.	response code	
7.	district		18.	survey code	
8.	stratum number		19.	reason for substitution of original household	
9.	sub-round				
10.	sub-sample				

### CODES FOR BLOCK 1

*item 17: response code : co-operative and capable - 1, co-operative but not capable - 2, busy - 3, informant reluctant - 4, others - 9.*

*item 18: survey code : original - 1, substitute - 2, casualty - 3.*

*item 19: reason for substitution of original household : informant busy-1, members away from home-2, informant non-co-operative-3, others-9.*



[2] particulars of field operation										
sl. no.	item	investigator			assistant superintendent			superintendent		
(1)	(2)	(3)			(4)			(5)		
1.	i) name (block letters)									
	ii) code									
2.	date(s) of :	DD	MM	YY	DD	MM	YY	DD	MM	YY
	(i) survey/inspection									
	(ii) receipt									
	(iii) scrutiny									
	(iv) despatch									
3.	number of addl. sheets attached									
4.	total time taken to canvass schedule 33 (in minutes)									
5.	signature									

[23] remarks by investigator

[24] remarks by supervisory officer(s)

[3] household characteristics										
1.	household size					13.	dwelling unit code ( <i>owned -1, hired -2, no dwelling unit -3, others -9</i> )			
2.	principal industry (NIC - 1998)	description:				14.	type of structure ( <i>katcha-1, semi-pucca-2, pucca-3</i> )			
		code (5-digit)					15.	principal source of drinking water (code)		
3.	principal occupation (NCO - 1968)	description:				16.	distance from the principal source of drinking water (code)			
		code (3-digit)					17.	principal source of income (code)		
4.	household type (code)					18.	whether any member of the family fell ill during the last 365 days? (yes - 1, no - 2)			
5.	social group (code)									
6.	whether household owns any land? (yes - 1, no - 2)									
7.	if '1' in item 6, type of land owned (code)					19.	if '1' in item 18, treatment (code)			
8.	land as on date of survey (ha 0.000)	owned				20.	if '7' in item 19, reason therefor (code)			
9.		leased-in								
10.		neither owned nor leased-in				21.	no. of operational holdings during the agricultural year 2002 - 03			
11.		leased-out				22.	whether land holding(s) has been consolidated? (yes - 1, no - 2)			
12.		total possessed (8+9+10-11)								

### CODES FOR BLOCK 3

item 4: household type: self-employed in non-agriculture-1, agricultural labour-2, other labour-3, self-employed in agriculture-4, others-9.

item 5: social group: scheduled tribe-1, scheduled caste-2, other backward class-3, others-9.

item 7: type of land owned: homestead only - 1, homestead and other land - 2, other land only - 3.

item 15: principal source of drinking water: tap -1, tubewell / handpump -2, well -3, tank/pond reserved for drinking -4, other tank/pond -5, river/canal/lake -6, spring-7, tanker - 8, others -9.

item 16: distance from the principal source of drinking water: within dwelling -1, outside dwelling but within premises -2, outside premises at a distance: < 0.2 km - 3, 0.2 - 0.5 km - 4, 0.5 - 1.0 km - 5, 1.0 - 2.0 km - 6, 2.0 km or more -7.

item 17: principal source of income : cultivation - 1, farming other than cultivation - 2, other agricultural activity - 3, wage/salaried employment - 4, non-agricultural enterprises - 5, pension - 6, remittances - 7, interest and dividends - 8, others - 9.

item 19: treatment : sub-centre/dispensary - 1, primary health centre - 2, community health centre/government hospital - 3, private clinic/doctor - 4, traditional treatment - 5, other treatment - 6, no treatment - 7.

item 20 : reason : non-availability of medical facility - 1, financial constraint - 2, not required - 3, others (specify.....) - 9.

[4] demographic and other particulars of household members

sl. no.	name of member	relation to head (code)	sex (male -1, female-2)	age (years)	marital status (code)	general education (code)	whether attended any formal training in agriculture? (yes - 1, no - 2)	whether engaged in farming during last 365 days? (yes-1, no-2)	if code '1' in col. 9, nature of work during last 365 days (code)		current weekly activity		wages and salary earnings (received or receivable) for the work done during last 7 days (Rs)			
									(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)

CODES FOR BLOCK 4

Col. (3) : relation to head: self-1, spouse of head-2, married child-3, spouse of married child-4, unmarried child-5, grandchild-6, father/mother/father-in-law/mother-in-law-7, brother/sister/brother-in-law/sister-in-law/other relatives-8, servants/employees/other non-relatives-9.  
 Col.(6) : marital status code: never married - 1, currently married - 2, widowed - 3, divorced/separated - 4.  
 Col. (7) : general education code : not literate - 01, literate without formal schooling - 02, literate but below primary - 03, primary - 04, middle - 05, secondary - 06, higher secondary - 07, diploma/certificate course - 08, graduate - 10, post graduate and above-11.  
 Cols. (10), (11), (12): nature of work : working in cultivation: supervision - 01, ploughing -02, sowing -03, transplanting -04, weeding -05, harvesting -06, other cultivation activities - 07; manual work in other agricultural activities: forestry -08, plantation -10; working in : dairy -11, poultry - 12, piggery -13, duckery -14, fishery -15, bee-keeping -16, others -99.  
 Col.(13): status code: worked in hh enterprise (self-employed): own account worker - 11, employer - 12, worked as helper in hh enterprise (unpaid family worker) - 21, worked as regular salaried/wage employee - 31, worked as casual wage labour: in public works - 41, in other types of work - 51, had work in hh enterprise but did not work due to: sickness - 61, other reasons - 62; had regular salaried/wage employment but did not work due to: sickness - 71, other reasons - 72; did not work but sought work - 81, did not seek but was available for work - 82, attended educational institution - 91, attended domestic duties only - 92, attended domestic duties and was also engaged in free collection of goods (vegetables, roots, firewood, cattle feed, etc.), sewing, tailoring, weaving, etc. for household use - 93, rentiers, pensioner, remittance recipients, etc. - 94, not able to work due to disability - 95, beggars, prostitutes - 96, others - 97, did not work due to temporary sickness (for casual workers only) -98.

[5] perception of household regarding sufficiency of food			
1. do all members of your household 'get enough food everyday'?			
	<i>(yes: every month of the year-1, some months of the year -2; no: no month of the year-3)</i>		
2. if code is 2 in item 1, during which calendar months did any member of the household not 'get enough food everyday'?			
	<i>(applicable month codes may be recorded in the box spaces: Jan-01, Feb-02, Mar-03, Apr-04, May-05, Jun-06, Jul-07, Aug-08, Sep-09, Oct-10, Nov-11, Dec-12)</i>		
3. whether information on item 1 was actually obtained from the informant? <i>(yes-1, no-2)</i>			

[6] general awareness/perceptions and other aspects of farming		
1.	are you aware of Minimum Support Price? (yes-1, no-2)	
2.	<i>if '1' in item 1, are you aware of procurement agency? (yes-1, no-2)</i>	
3.	did you have your crop insured at any time? (yes-1, no-2)	
4.	<i>if '2' in item 3, reason therefor (not aware -1, not interested-2, insurance facility not available-3, lack of resources for premium payment-4)</i>	
5.	services availed from cooperatives (not availed because of non-membership - 1, member but not availed - 2; availed for: credit - 3, seeds/fertilisers-4, agricultural implements-5, marketing-6, inputs-7, consumer goods-8)	
6.	what is the usual source of your seeds? ( farm saved - 1, exchange - 2, purchase - 3)	
7.	how often do you replace seed varieties? (generally replacing every year-1, replacing every alternate year-2, replacing after three years-3, replacing after four years or more-4)	
8.	whether any member of the household is a member of registered farmers organisation? (yes-1, no-2)	
9.	whether any member of the household is a member of self help group? ( yes - 1, no - 2)	
10.	are you aware of bio-fertilisers? (yes - 1, no - 2)	
11.	are you aware of World Trade Organisation (WTO)? (yes-1, no-2)	
12.	do you like farming as a profession? (yes - 1, no - 2)	
13.	if '2' in item 12, reasons therefor (not profitable - 1, lack of social status - 2, risky - 3, others (specify.....) - 9)	

[7] particulars of land possessed during kharif						(in 0.000 ha)	
sl. no.	crop/allied	owned and possessed	leased-in	otherwise possessed	total (3+4+5)		
(1)	(2)	(3)	(4)	(5)	(6)		
1.	cultivation						
2.	orchards and plantation						
3.	allied (other than animal farming)						
4.	dairy						
5.	farming of goat, sheep etc.						
6.	piggery						
7.	poultry/ duckery						
8.	fishery						
9.	bee-keeping						
10.	farming of other animals						
11.	total (1 to 10)						

[8] area under irrigation during kharif							
sl. no.	crop item	description code	area (0.000 ha) under irrigation for crop				device used
			(3)	(4)	(5)	(6)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
source of irrigation							
1.	river/spring						
2.	canal						
3.	reservoir						
4.	tank						
5.	tube well						
6.	well						
7.	others						
8.	all						
9.	whether extent of irrigation is adequate? (yes-1, no-2, not required - 3)						
10.	if code 2 against sl. no. 9, reason therefor (code)						

## CODES FOR BLOCK 8

cols. 3 - 7: crop: cereal- 01, pulses -02, oilseeds - 03 mixed crop - 04, sugarcane - 05, other crop - 06, vegetables - 07, fruits and nuts - 08, plantation - 09, fibre crop - 10, fodder - 11, others - 99.

col. 8: device used: pump (electric) -1, pump (diesel) -2, persian wheel -3, others -9.

sl. no. 10: reason for inadequacy: shortage of: water - 1, fund -2, power - 3, device - 4; others (specify ..... ) - 9.

[9] some particulars of farming resources used for cultivation during kharif							
sl. no.	resource	distance (code)	whether used? (yes-1, no-2)	if 1 in column (4)			whether testing facility available? (yes-1, no-2, not known - 3)
				whether available in time? (code)	whether adequately available? (yes-1, no-2)	quality (good-1, satisfactory -2, poor-3)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	fertiliser						
2	organic manure						
3	improved seeds						
4.	pesticide						
5	veterinary service						

CODES FOR BLOCK 9

col.3: distance : within village - 1; outside village: less than 2 km - 2, 2 to 5 km - 3, 5 to 10 km - 4, 10 km to 20 km - 5, 20 km or more - 6.

col 5: whether available in time: available in time-1, available but not in time -2, not available -3

[10] use of energy during last 365 days				
sl. no.	activity	primary source of energy (code)	whether primary source is adequate? (yes-1, no-2)	secondary source of energy (code)
(1)	(2)	(3)	(4)	(5)
1.	ploughing			
2.	irrigation			
3.	harvesting			
4.	threshing			
5.	cane crushing			
6.	transport			
7.	cooking			
8.	lighting			

CODES FOR BLOCK 10

col.(3)/(5): primary/secondary source of energy: electricity - 1, diesel/petrol/kerosene - 2, solar - 3, LPG - 4, gobar gas - 5, dung cake - 6, firewood - 7, animal power - 8, others (specify: ..... ) - 9.

[11] loans and other liabilities payable as on the date of survey							
sl. no. of loan*	nature of loan (cash - 1, kind - 2)	type of security (code)	period (code)	source (code)	purpose (code)	rate of interest (%)	amount outstanding including interest on date of survey (Rs)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

\*each loan amounting Rs 300 /- or more only will be included.

#### CODES FOR BLOCK 11

col. (3): type of security: no security - 1, land - 2, crop - 3, ornaments - 4, financial instruments - 5, others - 9.

col. (4): period: less than one month - 1, one month and above but less than three months - 2, three months and above but less than six months - 3, six months and above but less than one year - 4, one year and above - 5.

col. (5): source: government - 1, co-operative society - 2, bank - 3, agriculture/professional money lender - 4, trader - 5, relatives & friends - 6, doctor, lawyers and other professionals - 7, others - 9.

col. (6): purpose: capital expenditure in farm business - 1, current expenditure in farm business - 2, non-farm business - 3, consumption expenditure - 4, marriages and ceremonies - 5, education - 6, medical - 7, other expenditure - 9.

[12] access to modern agricultural technology									
sl. no.	source	whether accessed? (yes-1, no-2)	if '1' in col. (3), frequency of contact (code)	type of information received (code)	quality of information received (good - 1, satisfactory - 2, poor - 3)	whether received information was tried? (yes - 1, no - 2)	whether recommended practice has been adopted? (yes - 1, no - 2)	if '2' in col.(8), reasons for not adopting (code)	suggestions for improvement in extension services (code)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1.	participation in training programme								
2.	krishi vigyan kendra								
3.	extension worker								
4.	television								
5.	radio								
6.	newspaper								
7.	village fair								
8.	government demonstration								
9.	input dealer								
10.	other progressive farmers								
11.	farmers study tour								
12.	para technician/ private agency/NGO								
13.	primary cooperative society								
14.	output buyers/food processor								
15.	credit agency								
16.	others								

#### CODES FOR BLOCK 12

col.(4): frequency of contact: daily - 1, weekly - 2, monthly - 3, seasonally - 4, need based - 5, casual contact - 6.

col. (5): type of information received: cultivation: improved seed/variety - 11, fertilizer application - 12, plant protection (pesticide etc.) - 13, farm machinery - 14, harvesting/marketing - 15, others - 19.

animal husbandry : breeding - 21, feeding - 22, health care - 23, management - 24, others - 29.

fishery: seed production - 31, harvesting - 32, management and marketing - 33, others - 39.

col.(9): reasons for not adopting: lack of financial resources - 1, non-availability of input and physical resources - 2, lack of technical advice for follow-up - 3, difficulty in storage, processing and marketing of products - 4, not useful - 5, others - 9.

col.(10): suggestions for improvement in extension services: improvement in quality and reliability of information - 1, timeliness of information - 2, increase in frequency of demonstration - 3, improvement of quality of presentation - 4, improvement of professional competence of information provider - 5, others - 9.



[13] purchase and sale of productive assets during July to December 2002						
sl. no.	item	no. possessed on the date of survey	expenditure incurred (Rs)		income from sale (Rs)	total (Rs) (4+5-6)
			purchase	major repair		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<i>for farm business</i>						
1.	land					
2.	improvement of land					
3.	building for farm business					
4.	fish tank					
5.	cattle					
6.	buffalo					
7.	other large heads					
8.	sheep, goats, pigs & rabbits					
9.	poultry/duckery					
10.	other livestock					
11.	livestock and poultry (5 to 10)					
12.	sickle, chaff-cutter, axe, spade & chopper					
13.	plough					
14.	harrow, seed-drill, sprayer & duster					
15.	power tiller					
16.	tractor					
17.	thresher					
18.	canecrusher : power operated					
19.	canecrusher : others					
20.	oil crusher					
21.	pump : electric					
22.	pump : diesel, etc.					
23.	other water lifting equipment					
24.	others					
25.	agricultural machinery and implements (12 to 24)					
26.	total productive assets (1+2+3+4+11+25)					
<i>for non-farm business</i>						
27.	land and building for non-farm business					
28.	machinery and equipment					
29.	others					
30.	residential building including land					
31.	total (26+27+28+29+30)					

[14] expenses and receipts for cultivation during July to December 2002

crop		land (0.000 ha)	expenses (Rs)										receipts				total (16+19) (Rs)						
			seeds	pesti- cides /insec- ticides	fertil iser /man ure	irri- ga- tion	minor repair and mainte- nance of machinery and equipment	inte- rest	lease rent for land	labour		other ex- penses	total ex- penses (4 to 13)	output		sale of produce		value of by- pro- ducts (Rs)					
sl. no.	code	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	regular	(12)	(13)	(14)	quan- tity (kg)	value (Rs)	quan- tity (kg)	value (Rs)	(17)	(18)	(19)	(20)		
1.																							
2.																							
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							
99.	all																						

## CODES FOR BLOCK 14

column (2): crop code:

paddy .....	0101	papaya .....	0615	sunflower.....	1007
jowar .....	0102	guava.....	0616	safflower.....	1008
bajra .....	0103	almond.....	0617	soyabean.....	1009
maize .....	0104	walnut.....	0618	nigerseed.....	1010
ragi .....	0105	cashewnuts.....	0619	oil palm.....	1011
wheat .....	0106	apricot.....	0620	other oilseeds.....	1088
barley .....	0107	jackfruit.....	0621	cotton.....	1101
small millets .....	0108	lichi.....	0622	jute.....	1102
other cereals .....	0188	pineapple.....	0623	mesta.....	1103
gram .....	0201	watermelon.....	0624	sunhemp.....	1104
tur (arhar) .....	0202	musk melon.....	0625	other fibres.....	1188
urad .....	0203	bread fruits.....	0626	indigo.....	1201
moong .....	0204	ber.....	0627	other dyes & tan.	1288
masur .....	0205	bel.....	0628	materials.....	
horsegram .....	0206	mulberry (sahatoot).....	0629	opium.....	1301
beans (pulses) .....	0207	aonla (amla).....	0630	tobacco.....	1302
peas (pulses) .....	0208	other fruits.....	0688	other drugs & narcotics	1388
other pulses .....	0288	potato.....	0701	guar.....	1401
sugarcane .....	0401	tapioca (cassava).....	0702	oats.....	1402
palmvriah .....	0402	sweet potato.....	0703	green manures.....	1403
other sugar crops .....	0488	yam.....	0704	other fodder crops.....	1488
pepper (black) .....	0501	elephant foot yam.....	0705	tea.....	1501
chillies .....	0502	colocasia/arum.....	0706	coffee.....	1502
ginger.....	0503	other tuber crop.....	0707	rubber.....	1503
turmeric.....	0504	onion.....	0708	other plantation crops...	1588
cardamom (small).....	0505	carrot.....	0709	orchids.....	1601
cardamom (large).....	0506	radish.....	0710	rose.....	1602
betelnuts (arecanuts)..	0507	beetroot.....	0711	gladiolus.....	1603
garlic.....	0508	turnip (shalgam).....	0712	carnation.....	1604
coriander.....	0509	tomato.....	0713	marigold.....	1605
tamarind.....	0510	spinach.....	0714	other flowers.....	1688
cumin seed.....	0511	amaranths (chaulai).....	0715	asgandh.....	1701
fennel / anise seed.....	0512	cabbage.....	0716	isabgol.....	1702
nutmeg.....	0513	other leafy vegetable.....	0717	sena.....	1703
fenugreek.....	0514	brinjal.....	0718	moosli.....	1704
cloves.....	0515	peas (vegetable) (green)	0719	other medicinal plant...	1705
cinnamon.....	0516	lady's finger (bhindi)....	0720	lemon grass.....	1711
cocoa.....	0517	cauliflower.....	0721	mint.....	1712
kacholam.....	0518	cucumber.....	0722	menthol.....	1713
beetlvine.....	0519	bottle gourd (lauki).....	0723	eucalyptus.....	1714
other condi. & spices..	0588	pumpkin.....	0724	other aromatic plant....	1715
mangoes.....	0601	bitter gourd.....	0725	canes.....	1801
orange and kinu.....	0602	other gourds.....	0726	bamboos.....	1802
mosambi.....	0603	vench (guar).....	0727	other non-food crops...	1888
lemon / acid lime.....	0604	beans (green).....	0728		
other citreous fruits....	0605	drumstick.....	0729		
banana.....	0606	green chillies.....	0730		
table grapes.....	0607	other vegetables.....	0788		
wine grapes (black)....	0608	other food crop.....	0801		
apple.....	0609	groundnut.....	1001		
pear.....	0610	castorseed.....	1002		
peaches.....	0611	sesamum (til) .....	1003		
plum.....	0612	rapeseed & mustard			
kiwi fruit.....	0613	(toria/ taramira) .....	1004		
chiku .....	0614	linseed .....	1005		
		coconut.....	1006		

[15] expenses and receipts on farming of animals during last 30 days										
sl. no.	item	activity								
		dairy	sheep, goat, etc.	pig-gery	poul-try	duck-ery	fishery	bee-keep-ing	other live-stock	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<i>expenses (Rs)</i>										
1.	cost of seeds/ animals other than for productive purposes									
2.	feed									
3.	veterinary charges									
4.	interest									
5.	lease rent for land									
6.	labour charges	regular								
7.		casual								
8.	other expenses									
9.	total expenses (1 to 8)									
<i>receipts</i>										
10.	output	quantity	milk (lt)							
11.			egg (no)							
12.			fish (kg)							
13.			meat (kg)							
14.			wool (kg)							
15.			honey (kg)							
16.		value (Rs)	milk							
17.			egg							
18.			fish							
19.			meat							
20.	wool									
21.	honey									
22.	by-products (hide, bones, manure, etc.) (Rs)									
23.	sale of animal not used for productive purposes (Rs)									
24.	other receipts (Rs)									
25.	total receipts (16 to 24) (Rs)									

[16] expenses for non-farm business during last 30 days		
sl. no	item	expenses (Rs) during last 30 days
(1)	(2)	(3)
1.	NIC – 98 (two-digit code):	
2.	raw materials used for manufacturing	
3.	materials used for other activities	
4.	cost of commodities traded	
5.	articles used for food & drink preparation	
6.	petrol, diesel, lubricants, etc.	
7.	minor repair and maintenance of transport, machinery , equipment, building, furniture and fixtures and other fixed assets	
8.	electricity charges	
9.	fuel other than electricity	
10.	rent payable on machinery and equipment (other than land and building)	
11.	travelling, freight and cartage expenses	
12.	communication expenses (telephone, telegram, fax, postal, courier, e-mail, etc.)	
13.	consumable stores, packing materials , etc.	
14.	paper, printing and stationery expenses	
15.	service charges for work done by other establishments (e.g. legal, audit, advertising and other accounting services; warehousing expenses, etc.)	
16.	cost of own construction on building, furniture and fixtures, etc.	
17.	rent on land and building	
18.	interest	
19.	wages and salaries	
20.	other expenses	
21.	total expenses (2 to 20)	

[17] receipts for non-farm business during last 30 days		
sl. no	item	receipts (Rs) during last 30 days
(1)	(2)	(3)
1.	products and by-products manufactured	
2.	sale value of commodities traded	
3.	amounts receivable from contractor	
4.	receipts from sale of prepared food, refreshment and drinks	
5.	earnings from goods and passenger traffic	
6.	STD/courier, fax, etc. charges receivable from customers	
7.	receipts for educational activity like tuition fees, examination fees, capitation fees, etc.	
8.	receipts from consultation fees and medical services	
9.	receipts from services provided to others including commission charges	
10.	market value of own construction on building, furniture and fixtures, etc.	
11.	value of consumption of goods/services produced or traded for own use	
12.	rent receivable on plant and machinery and other fixed assets	
13.	other receipts	
14.	total receipts (1 to 13)	

[18] consumption of food, pan, tobacco and intoxicants during the last 30 days ended on .....					
code	item	quantity* (0.00)	value (Rs 0.00)	source code <sup>s</sup>	
(1)	(2)	(3)	(4)	(5)	
1	rice				
2	chira, khoi, lawa, muri, other rice products				
3	wheat				
4	atta, maida, suji, rawa, sewai, bread, other wheat products				
5	jowar				
6	jowar products				
7	bajra				
8	bajra products				
9	maize				
10	maize products				
11	barley				
12	barley products				
13	small millets				
14	small millets products				
15	ragi				
16	ragi products				
17	cereal: s.t. (1-16)				
18	cereal substitutes				
19	gram (full grain)				
20	gram products				
21	pulses				
22	pulse products (besan, other products, etc.)				
23	milk: liquid (litre)				
24	butter & ghee				
25	other milk products				
26	edible oil				
27	egg (no.)		00		
28	fish				
29	meat				
30	vegetables				
31	fresh fruits				
32	dry fruits				
33	sugar, gur, candy, honey				
34	salt				
35	spices (gm)		00		
36	beverages				
37	cooked meals				
38	other processed food & refreshments	x			

\*Unit is kg unless otherwise specified

<sup>s</sup>Source code: only purchase -1, only home-grown stock -2, both purchase and home-grown stock -3, only free collection -4, others -9.

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[18] consumption of food, pan, tobacco and intoxicants during the last 30 days ended on .....						
code	item	quantity* (0.00)		value (Rs 0.00)		source code <sup>s</sup>
(1)	(2)	(3)		(4)		(5)
39	food: s.t. (17 + total of items 18-38)	×				
40	pan (leaf and finished) (no.)		00			
41	supari, lime, katha and other ingredients for pan, and pan masala (gm)		00			
42	tobacco : leaf and hookah (gm)		00			
43	other tobacco products e.g. bidi, cigarettes, snuff etc.	×				
44	intoxicants		00			
45	food, pan, tobacco and intoxicants: s.t. (39 - 44)	×				
46	fuel and light	×				

\* Unit is kg unless otherwise specified

<sup>s</sup>Source code: only purchase -1, only home-grown stock -2, both purchase and home-grown stock -3, only free collection -4, others -9.

[19] consumption of clothing and footwear during the last 365 days ended on .....		
code	item	value (Rs)
(1)	(2)	(3)
47	clothing	
48	footwear	

[20] expenditure on education and medical (institutional) goods and services during the last 365 days ended on .....		
code	item	value (Rs)
(1)	(2)	(3)
49	education	
50	medical - institutional	

[21] expenditure on miscellaneous goods and services including medical (non-institutional), rents and taxes during the last <i>30 days</i> ended on .....		
code	item	value (Rs)
(1)	(2)	(3)
51	medical - non-institutional	
52	entertainment	
53	goods for personal care and effects	
54	toilet articles	
55	sundry articles	
56	consumer services excluding conveyance	
57	conveyance	
58	rent	
59	consumer taxes and cesses	
60	misc. goods & services: s.t. (51 - 59)	

[22] expenditure for purchase and construction (including repair and maintenance) of durable goods for domestic use during the last <i>365 days</i> ended on .....					
item		first-hand purchase		second-hand purchase	total expenditure (Rs) [(3)+(4)+(5)]
		value (Rs)	cost of raw materials and services for construction and repair (Rs)	value (Rs)	
code	description				
(1)	(2)	(3)	(4)	(5)	(6)
61	furniture & fixtures				
62	goods for recreation				
63	jewellery and ornaments				
64	crockery & utensils				
65	cooking and household appliances				
66	personal transport equipment				
67	therapeutic appliances				
68	other personal goods				
69	residential building, land and other durables				
70	durable goods : s.t. (61 - 69)				



**Appendix – C (contd..)**

RURAL

CENTRAL

GOVERNMENT OF INDIA  
NATIONAL SAMPLE SURVEY ORGANISATION  
SOCIO-ECONOMIC SURVEY  
FIFTY-NINTH ROUND: JANUARY - DECEMBER 2003  
SCHEDULE 33: SITUATION ASSESSMENT SURVEY OF FARMERS

VISIT 2

[0] descriptive identification of sample household	
1. state/u.t.:	5. hamlet name:
2. district:	6. name of head of household:
3. tehsil:	7. name of informant:
4. village name:	

[1] identification of sample household							
item no.	item	code		item no.	item	code	
1.	sl. number of sample village/ block			11.	FOD sub-region		
2.	round number	5	9	12.	sample hamlet-group number		
				13.	second stage stratum		
3.	schedule number	3	3	14.	visit number	2	
4.	sample (central-1, state-2)	1		15.	sample household number		
5.	sector (rural - 1, urban - 2)	1		16.	sl. no. of informant (as in col.1, block 4)		
6.	state-region			17.	response code		
7.	district			18.	survey code		
8.	stratum number			19.	reason for casualty of household		
9.	sub-round			20.	no. of partitioned households, if partitioned after visit 1		
10.	sub-sample						

CODES FOR BLOCK 1

*item 17: response code : co-operative and capable - 1, co-operative but not capable - 2, busy - 3, informant reluctant - 4, others - 9.*

*item 18: survey code : original - 1, casualty - 3.*

*item 19: reason for casualty of household : informant busy-1, members away from home-2, informant non-co-operative-3, others-9.*

[2] particulars of field operation										
sl. no.	item	investigator			assistant superintendent			superintendent		
(1)	(2)	(3)			(4)			(5)		
1.	i) name (block letters)									
	ii) code									
2.	date(s) of :	DD	MM	YY	DD	MM	YY	DD	MM	YY
	(i) survey/inspection									
	(ii) receipt									
	(iii) scrutiny									
	(iv) despatch									
3.	number of addl. sheets attached									
4.	total time taken to canvass schedule 33 (in minutes)									
5.	signature									

[23] remarks by investigator

[24] remarks by supervisory officer(s)

[4] demographic and other particulars of household members

sl. no.*	name of member*	relation to head (code)	sex* (male-1, female-2)	age* (years)	marital status (code)	general education (code)	whether attended any formal training in agriculture? (yes - 1, no - 2)	whether engaged in farming during last 365 days* (yes-1, no-2)	if code '1' in col. 9, nature of work during last 365 days (code)			current weekly activity		wages and salary earnings (received or receivable) for the work done during last 7 days (Rs)		
									(10)	(11)	(12)	status code	NIC - 98 code (2 digits)	cash	kind	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)

\* same as visit 1

CODES FOR BLOCK 4

- Col. (3) : relation to head: self-1, spouse of head-2, married child-3, spouse of married child-4, unmarried child-5, grandchild-6, father/mother/father-in-law/mother-in-law-7, brother/sister/brother-in-law/sister-in-law/other relatives-8, servants/employees/other non-relatives-9.
- Col.(6) : marital status code: never married - 1, currently married - 2, widowed - 3, divorced/separated - 4.
- Col. (7) : general education code : not literate - 01, literate without formal schooling - 02, literate but below primary - 03, primary - 04, middle - 05, secondary - 06, higher secondary - 07, diploma/certificate course - 08, graduate - 10, post graduate and above -11.
- Cols. (10), (11), (12): nature of work : working in cultivation: supervision - 01, ploughing - 02, sowing - 03, transplanting -04, weeding -05, harvesting -06, other cultivation activities - 07; manual work in other agricultural activities: forestry -08, plantation -10; working in : dairy -11, poultry - 12, pigery -13, duckery -14, fishery -15, bee-keeping -16, others -99.
- Col.(13): status code: worked in hh enterprise (self-employed): own account worker - 11, employer - 12, worked as helper in hh enterprise (unpaid family worker) - 21, worked as regular salaried/wage employee - 31, worked as casual wage labour: in pub
- lic works - 41, in other types of work - 51, had work in hh enterprise but did not work due to: sickness - 61, other reasons - 62; had regular salaried/wage employment but did not work due to: sickness - 71, other reasons - 72; did not work but sought work - 81, did not seek but was available for work - 82, attended educational institution - 91, attended domestic duties only - 92, attended domestic duties and was also engaged in free collection of goods (vegetables, roots, firewood, cattle feed, etc.), sewing, tailoring, weaving, etc. for household use - 93, rentiers, pensioner, remittance recipients, etc. - 94, not able to work due to disability - 95, beggars, prostitutes - 96, others - 97, did not work due to temporary sickness (for casual workers only) -98.

[7] particulars of land possessed during rabi								(in 0.000 ha)	
sl. no.	crop/allied	owned and possessed		leased-in		otherwise possessed		total (3+4+5)	
(1)	(2)	(3)		(4)		(5)		(6)	
1.	cultivation								
2.	orchards and plantation								
3.	allied (other than animal farming)								
4.	dairy								
5.	farming of goat, sheep etc.								
6.	piggery								
7.	poultry/ duckery								
8.	fishery								
9.	bee-keeping								
10.	farming of other animals								
11.	total (1 to 10)								

[8] area under irrigation during rabi								
sl. no.	crop item	description code	area (0.000 ha) under irrigation for crop					device used
			(3)	(4)	(5)	(6)	(7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
source of irrigation								
1.	river/spring							
2.	canal							
3.	reservoir							
4.	tank							
5.	tube well							
6.	well							
7.	others							
8.	all							
9.	whether extent of irrigation is adequate? (yes-1, no-2, not required - 3)							
10.	if code 2 against sl. no. 9, reason therefor (code)							

CODES FOR BLOCK 8

cols. 3 - 7: crop: cereal- 01, pulses -02, oilseeds - 03 mixed crop - 04, sugarcane - 05, other crop - 06, vegetables - 07, fruits and nuts - 08, plantation - 09, fibre crop - 10, fodder - 11, others - 99.

col. 8: device used: pump (electric) -1, pump (diesel) -2, persian wheel -3, others -9.

sl. no. 10: reason for inadequacy: shortage of: water - 1, fund -2, power - 3, device - 4; others (specify ..... ) - 9.

[9] some particulars of farming resources used for cultivation during rabi							
sl. no.	resource	distance (code)	whether used? (yes-1, no-2)	if 1 in column (4)			whether testing facility available? (yes-1, no-2, not known - 3)
				whether available in time? (code)	whether adequately available? (yes-1, no-2)	quality (good-1, satisfactory -2, poor-3)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	fertiliser						
2	organic manure						
3	improved seeds						
4.	pesticide						
5	veterinary service						

## CODES FOR BLOCK 9

col.3: distance : within village – 1; outside village: less than 2 km – 2, 2 to 5 km – 3, 5 to 10 km – 4, 10 km to 20 km – 5, 20 km or more – 6.

col 5: whether available in time: available in time-1, available but not in time -2, not available -3

[13] purchase and sale of productive assets during January to June 2003						
sl. no.	item	no. possessed on the date of survey	expenditure incurred (Rs)		income from sale (Rs)	total (Rs) (4+5-6)
			purchase	major repair		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<i>for farm business</i>						
1.	land					
2.	improvement of land					
3.	building for farm business ( 0.000 ha)					
4.	fish tank					
5.	cattle					
6.	buffalo					
7.	other large heads					
8.	sheep, goats, pigs & rabbits					
9.	poultry/duckery					
10.	other livestock					
11.	livestock and poultry (5 to 10)					
12.	sickle, chaff-cutter, axe, spade & chopper					
13.	plough					
14.	harrow, seed-drill, sprayer & duster					
15.	power tiller					
16.	tractor					
17.	thresher					
18.	canecrusher : power operated					
19.	canecrusher : others					
20.	oil crusher					
21.	pump : electric					
22.	pump : diesel, etc.					
23.	other water lifting equipment					
24.	others					
25.	agricultural machinery and implements (12 to 24)					
26.	total productive assets (1+2+3+4+11+25)					
<i>for non-farm business</i>						
27.	land and building for non-farm business					
28.	machinery and equipment					
29.	others					
30.	residential building including land					
31.	total (26+27+28+29+30)					

[14] expenses and receipts for cultivation during January to June 2003

crop		expenses (Rs)										receipts											
		land (0.000 ha) (3)	seeds (4)	pesti- cides /insec- ticides (5)	fertil iser /man ure (6)	irri- ga- tion (7)	minor repair and mainte- nance of machinery and equipment (8)	inte- rest (9)	lease rent for land (10)	labour		total ex- penses (4 to 13) (14)	output		sale of produce		value of by- pro- ducts (Rs) (19)	total (16+19) (Rs) (20)					
regular (11)	casual (12)									other ex- penses (13)	quan- tity (kg) (15)		value (Rs) (16)	quan- tity (kg) (17)	value (Rs) (18)								
sl. no.	code (2)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)		
1.																							
2.																							
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							
99.	all																						

## CODES FOR BLOCK 14

column (2): crop code:

paddy .....	0101	papaya .....	0615	sunflower.....	1007
jowar .....	0102	guava .....	0616	safflower.....	1008
bajra .....	0103	almond.....	0617	soyabean.....	1009
maize .....	0104	walnut.....	0618	nigerseed.....	1010
ragi .....	0105	cashewnuts.....	0619	oil palm.....	1011
wheat .....	0106	apricot.....	0620	other oilseeds.....	1088
barley .....	0107	jackfruit.....	0621	cotton.....	1101
small millets .....	0108	lichi.....	0622	jute.....	1102
other cereals .....	0188	pineapple.....	0623	mesta.....	1103
gram .....	0201	watermelon.....	0624	sunhemp.....	1104
tur (arhar) .....	0202	musk melon.....	0625	other fibres.....	1188
urad .....	0203	bread fruits.....	0626	indigo.....	1201
moong .....	0204	ber.....	0627	other dyes & tan.	1288
masur .....	0205	bel.....	0628	materials.....	
horsegram .....	0206	mulberry (sahatoot).....	0629	opium.....	1301
beans (pulses) .....	0207	aonla (amla).....	0630	tobacco.....	1302
peas (pulses) .....	0208	other fruits.....	0688	other drugs & narcotics	1388
other pulses .....	0288	potato.....	0701	guar.....	1401
sugarcane .....	0401	tapioca (cassava).....	0702	oats.....	1402
palmvriah .....	0402	sweet potato.....	0703	green manures.....	1403
other sugar crops .....	0488	yam.....	0704	other fodder crops.....	1488
pepper (black) .....	0501	elephant foot yam.....	0705	tea.....	1501
chillies .....	0502	colocasia/arum.....	0706	coffee.....	1502
ginger.....	0503	other tuber crop.....	0707	rubber.....	1503
turmeric.....	0504	onion.....	0708	other plantation crops...	1588
cardamom (small).....	0505	carrot.....	0709	orchids.....	1601
cardamom (large).....	0506	radish.....	0710	rose.....	1602
betelnuts (arecanuts)..	0507	beetroot.....	0711	gladiolus.....	1603
garlic.....	0508	turnip (shalgam).....	0712	carnation.....	1604
coriander.....	0509	tomato.....	0713	marigold.....	1605
tamarind.....	0510	spinach.....	0714	other flowers.....	1688
cumin seed.....	0511	amaranths (chaulai).....	0715	asgandh.....	1701
fennel / anise seed.....	0512	cabbage.....	0716	isabgol.....	1702
nutmeg.....	0513	other leafy vegetable.....	0717	sena.....	1703
fenugreek.....	0514	brinjal.....	0718	moosli.....	1704
cloves.....	0515	peas (vegetable) (green)	0719	other medicinal plant...	1705
cinnamon.....	0516	lady's finger (bhindi)....	0720	lemon grass.....	1711
cocoa.....	0517	cauliflower.....	0721	mint.....	1712
kacholam.....	0518	cucumber.....	0722	menthol.....	1713
beetlvine.....	0519	bottle gourd (lauki).....	0723	eucalyptus.....	1714
other condi. & spices..	0588	pumpkin.....	0724	other aromatic plant....	1715
mangoes.....	0601	bitter gourd.....	0725	canes.....	1801
orange and kinu.....	0602	other gourds.....	0726	bamboos.....	1802
mosambi.....	0603	vench (guar).....	0727	other non-food crops...	1888
lemon / acid lime.....	0604	beans (green).....	0728		
other citreous fruits....	0605	drumstick.....	0729		
banana.....	0606	green chillies.....	0730		
table grapes.....	0607	other vegetables.....	0788		
wine grapes (black)....	0608	other food crop.....	0801		
apple.....	0609	groundnut.....	1001		
pear.....	0610	castorseed.....	1002		
peaches.....	0611	sesamum (til) .....	1003		
plum.....	0612	rapeseed & mustard			
kiwi fruit.....	0613	(toria/ taramira) .....	1004		
chiku .....	0614	linseed .....	1005		
		coconut.....	1006		



[15] expenses and receipts on farming of animals during last 30 days										
sl. no.	item	activity								
		dairy	sheep, goat, etc.	pig-gery	poul-try	duck-ery	fishery	bee-keep-ing	other live-stock	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<i>expenses (Rs)</i>										
1.	cost of seeds/ animals other than for productive purposes									
2.	feed									
3.	veterinary charges									
4.	interest									
5.	lease rent for land									
6.	labour charges	regular								
7.		casual								
8.	other expenses									
9.	total expenses (1 to 8)									
<i>receipts</i>										
10.	output	quantity	milk (lt)							
11.			egg (no)							
12.			fish (kg)							
13.			meat (kg)							
14.			wool (kg)							
15.			honey (kg)							
16.		value (Rs)	milk							
17.			egg							
18.			fish							
19.			meat							
20.			wool							
21.	honey									
22.	by-products (hide, bones, manure, etc.) (Rs)									
23.	sale of animal not used for productive purposes (Rs)									
24.	other receipts (Rs)									
25.	total receipts (16 to 24) (Rs)									

[16] expenses for non-farm business during last 30 days		
sl. no	item	expenses (Rs) during last 30 days
(1)	(2)	(3)
1.	NIC – 98 (two-digit code):	
2.	raw materials used for manufacturing	
3.	materials used for other activities	
4.	cost of commodities traded	
5.	articles used for food & drink preparation	
6.	petrol, diesel, lubricants, etc.	
7.	minor repair and maintenance of transport, machinery , equipment, building, furniture and fixtures and other fixed assets	
8.	electricity charges	
9.	fuel other than electricity	
10.	rent payable on machinery and equipment (other than land and building)	
11.	travelling, freight and cartage expenses	
12.	communication expenses (telephone, telegram, fax, postal, courier, e-mail, etc.)	
13.	consumable stores, packing materials , etc.	
14.	paper, printing and stationery expenses	
15.	service charges for work done by other establishments (e.g. legal, audit, advertising and other accounting services; warehousing expenses, etc.)	
16.	cost of own construction on building, furniture and fixtures, etc.	
17.	rent on land and building	
18.	interest	
19.	wages and salaries	
20.	other expenses	
21.	total expenses (2 to 20)	

[17] receipts for non-farm business during last 30 days		
sl. no	item	expenses (Rs) during last 30 days
(1)	(2)	(3)
1.	products and by-products manufactured	
2.	sale value of commodities traded	
3.	amounts receivable from contractor	
4.	receipts from sale of prepared food, refreshment and drinks	
5.	earnings from goods and passenger traffic	
6.	STD/courier, fax, etc. charges receivable from customers	
7.	receipts for educational activity like tuition fees, examination fees, capitation fees, etc.	
8.	receipts from consultation fees and medical services	
9.	receipts from services provided to others including commission charges	
10.	market value of own construction on building, furniture and fixtures, etc.	
11.	value of consumption of goods/services produced or traded for own use	
12.	rent receivable on plant and machinery and other fixed assets	
13.	other receipts	
14.	total receipts (1 to 13)	

[18] consumption of food, pan, tobacco and intoxicants during the last 30 days ended						
on .....						
code	item	quantity* (0.00)		value (Rs 0.00)		source code <sup>§</sup>
(1)	(2)	(3)		(4)		(5)
1	rice					
2	chira, khoi, lawa, muri, other rice products					
3	wheat					
4	atta, maida, suji, rawa, sewai, bread, other wheat products					
5	jowar					
6	jowar products					
7	bajra					
8	bajra products					
9	maize					
10	maize products					
11	barley					
12	barley products					
13	small millets					
14	small millets products					
15	ragi					
16	ragi products					
17	cereal: s.t. (1-16)					
18	cereal substitutes					
19	gram (full grain)					
20	gram products					
21	pulses					
22	pulse products (besan, other products, etc.)					
23	milk: liquid (litre)					
24	butter & ghee					
25	other milk products					
26	edible oil					
27	egg (no.)		00			
28	fish					
29	meat					
30	vegetables					
31	fresh fruits					
32	dry fruits					
33	sugar, gur, candy, honey					
34	salt					
35	spices (gm)		00			
36	beverages					
37	cooked meals					
38	other processed food & refreshments		×			
39	food: s.t. (17 + total of items 18-38)		×			

\* Unit is kg unless otherwise specified

§ Source code: only purchase -1, only home-grown stock -2, both purchase and home-grown stock -3, only free collection -4, others -9.

[18] consumption of food, pan, tobacco and intoxicants during the last 30 days ended on .....					
code	item	quantity* (0.00)		value (Rs 0.00)	source code <sup>§</sup>
(1)	(2)	(3)		(4)	(5)
40	pan (leaf and finished) (no.)		00		
41	supari, lime, katha and other ingredients for pan, and pan masala (gm)		00		
42	tobacco : leaf and hookah (gm)		00		
43	other tobacco products e.g. bidi, cigarettes, snuff etc.	×			
44	intoxicants		00		
45	food, pan, tobacco and intoxicants: s.t. (39 - 45)	×			
46	fuel and light	×			

\* Unit is kg unless otherwise specified

§Source code: only purchase -1, only home-grown stock -2, both purchase and home-grown stock -3, only free collection -4, others -9.

[19] consumption of clothing and footwear during the last 365 days ended on .....		
code	item	value (Rs)
(1)	(2)	(3)
47	clothing	
48	footwear	

[20] expenditure on education and medical (institutional) goods and services during the last 365 days ended on .....		
code	item	value (Rs)
(1)	(2)	(3)
49	education	
50	medical - institutional	

[21] expenditure on miscellaneous goods and services including medical (non-institutional), rents and taxes during the last <i>30 days ended on</i> .....		
code	item	value (Rs)
(1)	(2)	(3)
51	medical - non-institutional	
52	entertainment	
53	goods for personal care and effects	
54	toilet articles	
55	sundry articles	
56	consumer services excluding conveyance	
57	conveyance	
58	rent	
59	consumer taxes and cesses	
60	misc. goods & services: s.t. (51 - 59)	

[22] expenditure for purchase and construction (including repair and maintenance) of durable goods for domestic use during the last <i>365 days ended on</i> .....					
item		first-hand purchase		second-hand purchase	total expenditure (Rs) [(3)+(4)+(5)]
		value (Rs)	cost of raw materials and services for construction and repair (Rs)	value (Rs)	
code	description				
(1)	(2)	(3)	(4)	(5)	(6)
61	furniture & fixtures				
62	goods for recreation				
63	jewellery and ornaments				
64	crockery & utensils				
65	cooking and household appliances				
66	personal transport equipment				
67	therapeutic appliances				
68	other personal goods				
69	residential building, land and other durables				
70	durable goods : s.t. (61 - 69)				

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