

National Sample Census of Agriculture

Nepal

2011/12

Jumla

Government of Nepal

National Planning Commission Secretariat

Central Bureau of Statistics Kathmandu,

Nepal

December 2013

AREA CONVERSION

1 Hectare = 19.657178 ropanis
= 1.476569 bighas
= 78.628715 matomuris
= 2.471065 acres

Area less than 0.1 ha is not shown in tables

ROUNDING OF FIGURES

Some figures have been rounded off to the nearest final digit. This may result in a slight discrepancy between the sum of the individual item and the total as shown in the table.

Sufficiently precise estimates have been obtained for major characteristics covered in the census. However, due to the inherent properties of the sampling, the same cannot be said for those items which are either minor or location specific in the district.

Preface

The Central Bureau of Statistics (CBS) in Nepal participates in the World Census of Agriculture as advocated by the FAO (Food and Agriculture Organization of the United Nations) for its member nations every ten years. The Census of Agriculture is conducted to measure actual agricultural conditions, particularly the structural aspects, of agriculture in the country.

This report primarily represents the findings of the Census of Agriculture conducted in Fiscal Year 2011/2012. This is the sixth decennial Census of Agriculture undertaken by Nepal. This report consists of two main sections. The first section consists of 32 statistical tables for each of the districts based on the census data. The second section provides information about methodology; definitions about various variables of the census, quality control, interpretation of data and dissemination of census data.

For those interested to know the sampling strategy adopted in the Census of Agriculture, it would be worthwhile to mention here that the sampling frame used is derived from the household schedule of the National Population and Housing Census 2011 which contains information about the holdings of agricultural land and livestock. The livestock population can thus be considered as a total count as it was taken along with the National Population and Housing Census. For the first time, the agricultural census of Nepal introduced community level questions and also collected data on the production of the major crops.

I am thankful to Mr. Suman Aryal, Deputy Director General of the CBS for his overall guidance and management of the census. Mr. Ambika Bashyal and Mr. Birendra Kumar Kayastha, Directors of the section deserve special thanks for their prime role in the overall census processes. I would like to thank Director Mr. Badri Kumar Karki and Mr. Jay Kumar Sharma and Statistical Officers Mr. Prithivi Bijaya Raj Sijapati, Mr. Kishor K C, Mr. Ganesh Phuyal, Mr. Govinda Dhungana, Mr. Kapil Dhital and also, Mr. Lila Nath Pandey, Mr. Dol Narayan Shrestha, Mr. Raju Pokharel Computer Officers. Similarly, the team of all the district agriculture census offices deserves thanks for their contribution in the fieldwork of the census operation. I also thank the then Deputy Director General Prabodh Sagar Dhakal for his hard work and dedication in the planning and fieldwork of the census.

Special thanks go to all respondent households of Nepal for providing information to the field staff of the bureau. Without their generous support, this census would not have been conducted efficiently.

Finally, I would like to express my gratitude to the Hon'ble Vice Chairman, Member Secretary of the National Planning Commission and also to other members of the Steering Committee, Technical Committee and all other well-wishers whose guidance and suggestions helped to make this census a grand success. I hope that the results will be useful for planners, policy makers, administrators, researchers, students, experts and other users.

Bikash Bista

January 27, 2014

Director General,
Central Bureau of Statistics

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NATIONAL SAMPLE CENSUS OF AGRICULTURE 2011/12

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Table 1. Number, area and fragmentation of holdings by total area of holding

Total area of holding	Holdings				Fragmentation							
	Number	Area (ha)			Total no. of parcels	Average no. of parcels	Number of holdings consisting of parcels					
		Wet	Dry	Total			1	2-3	4-5	6-9	10 and over	
Holding without land	14		0.3	0.3	14	1.0	14					
Holding with land	17,760	1,413.3	5,597.3	7,010.6	166,038	9.3	128	1,052	2,801	6,342	7,437	
Under 0.1 ha	1,550	25.6	83.0	108.6	8,133	5.2	114	441	427	412	156	
0.1 ha and Under 0.2 ha	3,100	137.3	327.4	464.7	21,599	7.0	14	341	796	1,266	683	
0.2 ha and Under 0.5 ha	8,674	673.2	2,214.5	2,887.7	79,101	9.1		270	1,436	3,640	3,327	
0.5 ha and Under 1 ha	3,654	382.5	2,056.8	2,439.3	44,862	12.3			142	938	2,574	
1 ha and Under 2 ha	739	180.7	804.6	985.4	11,717	15.8				71	668	
2 ha and Under 3 ha	28	13.9	61.8	75.7	512	18.0					28	
3 ha and Under 4 ha	14		49.2	49.2	114	8.0				14		
4 ha and Under 5 ha												
5 ha and Under 10 ha												
10 ha and over												
Total	17,774	1,413.3	5,597.6	7,010.9	166,052	9.3	142	1,052	2,801	6,342	7,437	

Remarks: Holdings having area under crops less than 0.01355 ha (8 Dhurs) in Terai or 0.01272 ha (4 Aanas) in Hilly and Mountainous region are included in the category 'Holdings without land'.

Details may not add up to totals due to rounding.

NATIONAL SAMPLE CENSUS OF AGRICULTURE 2011/12

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Table 2. Number, area of holdings by tenure and size

Total area of holding	Holdings		Tenure forms									
			One tenure forms						More than one tenure forms			
	Owned		Rented from others		Other tenure forms		No. of holdings	Area (ha)				
	Number	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)		No. of holdings	Area (ha)	Owned	Rented	Other tenure
Holding without land	14	0.3	14	0.3								
Holding with land	17,760	7,010.6	15,527	6,180.0					2,232	672.0	158.5	
Under 0.1 ha	1,550	108.6	1,379	95.9					171	8.8	3.9	
0.1 ha and under 0.2 ha	3,100	464.7	2,744	411.8					355	36.6	16.3	
0.2 ha and under 0.5 ha	8,674	2,887.7	7,422	2,472.7					1,251	325.8	89.1	
0.5 ha and under 1 ha	3,654	2,439.3	3,256	2,166.8					398	231.9	40.5	
1 ha and under 2 ha	739	985.4	683	907.8					57	68.9	8.7	
2 ha and under 3 ha	28	75.7	28	75.7								
3 ha and under 4 ha	14	49.2	14	49.2								
4 ha and under 5 ha												
5 ha and under 10 ha												
10 ha and over												
Total	17,774	7,010.9	15,542	6,180.3					2,232	672.0	158.5	

NATIONAL SAMPLE CENSUS OF AGRICULTURE 2011/12

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Table 2a. Number, area of holdings by tenure and size

Total area of holding	Number of holdings	Under one tenure form - rented from others													
		Total		Rented for fixed amount of money		Rented for fixed quantity of production		Rented for share of production		Rented in exchange for services		Rented for mortgage		Other rental arrangements	
		No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land	14														
Holding with land	17,760														
Under 0.1 ha	1,550														
0.1 ha and under 0.2 ha	3,100														
0.2 ha and under 0.5 ha	8,674														
0.5 ha and under 1 ha	3,654														
1 ha and under 2 ha	739														
2 ha and under 3 ha	28														
3 ha and under 4 ha	14														
4 ha and under 5 ha															
5 ha and under 10 ha															
10 ha and over															
Total	17,774														

NATIONAL SAMPLE CENSUS OF AGRICULTURE 2011/12

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Table 2b. Number, area of holdings by tenure forms and size

Total area of holding	No. of holdings	Under more than one tenure forms --- rented from others													
		Total		Rented for fixed amount of money		Rented for fixed quantity of		Rented for share of production		Rented in exchange for		Rented for mortgage		Other rental arrangements	
		No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land	14														
Holding with land	17,760	2,232	158.5	71	4.9	28	5.6	626	63.6	171	3.9	1,294	67.2	213	13.3
Under 0.1 ha	1,550	171	3.9					114	2.7	43	0.3	28	1.0		
0.1 ha and under 0.2 ha	3,100	355	16.3					156	10.3	57	0.5	171	5.6		
0.2 ha and under 0.5 ha	8,674	1,251	89.1	57	3.8	14	0.1	313	34.6	57	2.8	739	37.8	171	10.0
0.5 ha and under 1 ha	3,654	398	40.5	14	1.1			43	16.1	14	0.4	327	20.4	28	2.5
1 ha and under 2 ha	739	57	8.7			14	5.5					28	2.4	14	0.7
2 ha and under 3 ha	28														
3 ha and under 4 ha	14														
4 ha and under 5 ha															
5 ha and under 10 ha															
10 ha and over															
Total	17,774	2,232	158.5	71	4.9	28	5.6	626	63.6	171	3.9	1,294	67.2	213	13.3

NATIONAL SAMPLE CENSUS OF AGRICULTURE 2011/12

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Table 3. Number, area and land use by total area of holding

Total area of holding	Total		Agricultural land							
	No. of holdings	Area (ha)	Crop land							
			Arable land							
			Land under temporary crops		Area under temporary meadows		Land under temporary fallow		Total arable land	
			No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land	14	0.3								
Holding with land	17,760	7,010.6	17,746	5,701.1	469	49.3	4,024	392.9	17,760	6,143.3
Under 0.1 ha	1,550	108.6	1,550	89.1			85	0.6	1,550	89.8
0.1 ha and under 0.2 ha	3,100	464.7	3,100	389.4	28	0.3	370	9.6	3,100	399.3
0.2 ha and under 0.5 ha	8,674	2,887.7	8,659	2,373.6	156	7.7	2,033	130.3	8,674	2,511.6
0.5 ha and under 1 ha	3,654	2,439.3	3,654	1,997.6	185	14.6	1,251	150.7	3,654	2,163.0
1 ha and under 2 ha	739	985.4	739	794.8	85	16.0	256	62.6	739	873.4
2 ha and under 3 ha	28	75.7	28	25.4	14	10.6	14	22.8	28	58.8
3 ha and under 4 ha	14	49.2	14	31.1			14	16.3	14	47.4
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total	17,774	7,010.9	17,746	5,701.1	469	49.3	4,024	392.9	17,760	6,143.3

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Table 3. Number, area and land use by total area of holding (Continued)

Total area of holding	Agricultural land						Ponds		All other land	
	Crop land		Permanent meadows and pasture		Forest and other Woodland					
	Land under permanent crops									
	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land									14	0.3
Holding with land	10,437	536.8	1,024	85.5	128	13.0	142	3.6	17,575	228.4
Under 0.1 ha	327	4.0	43	0.8					1,536	14.0
0.1 ha and under 0.2 ha	1,351	26.6	142	3.4	14	0.1	28	0.2	3,071	35.1
0.2 ha and under 0.5 ha	5,489	222.6	512	34.9	43	4.7	57	2.3	8,560	111.6
0.5 ha and under 1 ha	2,616	186.0	270	32.1	57	3.4	43	0.9	3,626	53.8
1 ha and under 2 ha	626	84.3	57	14.3			14	0.2	739	13.2
2 ha and under 3 ha	14	11.9			14	4.7			28	0.4
3 ha and under 4 ha	14	1.4							14	0.4
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total	10,437	536.8	1,024	85.5	128	13.0	142	3.6	17,589	228.7

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Table 4. Number, area, number of holdings reporting and area irrigated by source of irrigation by total area of holding

Total area of holding	Total		Source of irrigation															
	No. of holdings	Area (ha)	No. of holdings reporting	Area (ha)	River/lake/pond				Dam/reservoir		Tube well/boring		Others		Mixed			
					By gravity		Pumping		No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)
					No. of holdings	Area (ha)	No. of holdings	Area (ha)										
Holding without land	14	0.3																
Holding with land	17,760	7,010.6	12,428	1,536.0	11,617	1,438.5							938	97.5				
Under 0.1 ha	1,550	108.6	995	32.4	995	32.4												
0.1 ha and under 0.2 ha	3,100	464.7	2,289	147.8	2,119	136.1							185	11.7				
0.2 ha and under 0.5 ha	8,674	2,887.7	6,171	732.1	5,574	652.3							711	79.7				
0.5 ha and under 1 ha	3,654	2,439.3	2,403	406.7	2,375	401.3							28	5.4				
1 ha and under 2 ha	739	985.4	540	192.3	526	191.6							14	0.7				
2 ha and under 3 ha	28	75.7	28	24.8	28	24.8												
3 ha and under 4 ha	14	49.2																
4 ha and under 5 ha																		
5 ha and under 10 ha																		
10 ha and over																		
Total	17,774	7,010.9	12,428	1,536.0	11,617	1,438.5							938	97.5				

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Table 4a. Number, area, number of holdings reporting and payment terms (on area or time basis) for irrigation by total area of holding

Total area of holding	Total		Payment terms for Irrigation										
	No. of holdings	Area (ha)	No. of holdings reporting	Area (ha)	Did not pay for water		Paid for water						
							On area basis		On time basis		Other		
					No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	
Holding without land	14	0.3											
Holding with land	17,760	7,010.6	12,428	1,536.0	12,214	1,489.4	526	46.5				14	0.1
Under 0.1 ha	1,550	108.6	995	32.4	995	32.4							
0.1 ha and under 0.2 ha	3,100	464.7	2,289	147.8	2,289	145.3	57	2.5					
0.2 ha and under 0.5 ha	8,674	2,887.7	6,171	732.1	6,001	701.2	341	30.7				14	0.1
0.5 ha and under 1 ha	3,654	2,439.3	2,403	406.7	2,360	393.3	128	13.3					
1 ha and under 2 ha	739	985.4	540	192.3	540	192.3							
2 ha and under 3 ha	28	75.7	28	24.8	28	24.8							
3 ha and under 4 ha	14	49.2											
4 ha and under 5 ha													
5 ha and under 10 ha													
10 ha and over													
Total	17,774	7,010.9	12,428	1,536.0	12,214	1,489.4	526	46.5				14	0.1

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Table 5. Number, area of holdings and crop stand by total area of holding

Total area of holding	Total		Crops under pure stand				Crops under mixed stand				Associated crops	
	No. of holdings	Area (ha)	Temporary		Permanent		Temporary		Permanent		No. of holdings	Area (ha)
			No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)		
Holding without land												
Holding with land	17,760	8,089.1	17,674	6,165.3	3,953	205.6	9,669	846.8	100	4.1	7,593	867.3
Under 0.1 ha	1,550	126.4	1,507	100.4	156	2.3	611	17.5			171	6.2
0.1 ha and under 0.2 ha	3,100	566.9	3,086	459.8	483	8.6	1,322	52.9	14	0.4	967	45.1
0.2 ha and under 0.5 ha	8,674	3,431.9	8,645	2,615.5	1,934	76.1	4,806	364.3	14	0.5	4,067	375.5
0.5 ha and under 1 ha	3,654	2,734.5	3,654	2,025.9	1,152	75.5	2,503	324.6	57	3.1	1,905	305.4
1 ha and under 2 ha	739	1,141.1	739	891.9	213	31.4	412	86.0	14	0.1	469	131.7
2 ha and under 3 ha	28	55.8	28	43.9	14	11.9						
3 ha and under 4 ha	14	32.6	14	27.8			14	1.4			14	3.3
4 ha and under 5 ha												
5 ha and under 10 ha												
10 ha and over												
Total	17,760	8,089.1	17,674	6,165.3	3,953	205.6	9,669	846.8	100	4.1	7,593	867.3

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Table 6. Number, area of holdings, number of holdings reporting and land under temporary crops by size

Total area of holding	Cereal grains		Leguminous grains		Tubers and bulb crops		Oil seeds		Cash crops		Spices		Vegetables		Temporary grass crops	
	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land																
Holding with land	17,603	5,916.0	10,906	836.3	13,722	549.9	967	30.2	242	1.8	8,859	73.8	7,678	144.2	14	0.1
Under 0.1 ha	1,479	91.7	427	7.3	1,038	14.2	43	0.1			611	2.5	640	6.5		
0.1 ha and Under 0.2 ha	3,086	427.1	1,550	47.3	2,147	40.1	71	1.0	14	0.0	1,251	7.2	1,180	17.6		
0.2 ha and under 0.5 ha	8,617	2,532.5	5,631	338.2	6,669	226.7	455	9.2	199	1.5	4,394	33.9	3,939	67.1	14	0.1
0.5 ha and under 1 ha	3,640	1,997.5	2,645	283.8	3,157	193.7	256	8.5	28	0.2	2,076	23.9	1,664	40.9		
1 ha and under 2 ha	739	801.8	640	154.6	668	71.2	142	11.3			498	6.0	242	11.9		
2 ha and under 3 ha	28	35.0	14	5.1	28	3.2					28	0.2	14	0.3		
3 ha and under 4 ha	14	30.4			14	0.7										
4 ha and under 5 ha																
5 ha and under 10 ha																
10 ha and over																
Total	17,603	5,916.0	10,906	836.3	13,722	549.9	967	30.2	242	1.8	8,859	73.8	7,678	144.2	14	0.1

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Table 6a. Number, area of holdings, number of holdings reporting and area under different temporary crops by total area of holding

Total area of holding	Early paddy		Main paddy		Upland paddy		Wheat		Maize		Millets		Barley/naked barley		Buckwheat		Other cereals		
	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	
Holding without land																			
Holding with land			11,375	1,220.0	171	8.0	13,992	1,810.8	12,015	745.6	9,754	523.5	13,579	1,403.7	2,673	154.5	1,308	50.0	
Under 0.1 ha			995	24.5			924	19.8	739	15.1	597	8.1	967	23.8	43	0.2	14	0.0	
0.1 ha and Under 0.2 ha			2,161	116.8	28	1.1	2,133	100.8	1,635	47.0	1,564	41.4	2,332	114.1	213	4.3	114	1.6	
0.2 ha and under 0.5 ha			5,602	578.9	57	1.7	6,839	672.8	5,986	291.9	4,735	218.9	6,854	674.1	1,450	63.7	768	30.6	
0.5 ha and under 1 ha			2,090	330.7	57	3.4	3,313	670.8	3,014	275.5	2,304	194.9	2,886	443.2	825	64.7	341	14.2	
1 ha and under 2 ha			498	157.0	28	1.7	739	310.8	626	113.5	540	58.3	512	135.4	142	21.5	71	3.6	
2 ha and under 3 ha			28	12.0			28	8.0			14	1.9	28	13.2					
3 ha and under 4 ha							14	27.8	14	2.5									
4 ha and under 5 ha																			
5 ha and under 10 ha																			
10 ha and over																			
Total			11,375	1,220.0	171	8.0	13,992	1,810.8	12,015	745.6	9,754	523.5	13,579	1,403.7	2,673	154.5	1,308	50.0	

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Table 6b. Number, area of holdings, number of holdings reporting and area under different temporary crops by total area of holding

Total area of holding	Soyabean		Black gram		Red gram		Grass pea		Lentil		Gram pea		Pea		Green gram		Horse gram		Cow pea		Other leguminous crops	
	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holding	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holding	Area (ha)	No. of holding	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land																						
Holding with land	299	3.5											355	5.1			14	0.5	100	2.4	10,807	824.8
Under 0.1 ha													14	0.1							427	7.2
0.1 ha and Under 0.2 ha	28	0.2											14	0.1							1,550	47.0
0.2 ha and under 0.5 ha	100	1.1											171	2.4					43	1.5	5,588	333.2
0.5 ha and under 1 ha	171	2.3											142	2.2			14	0.5	43	0.4	2,602	278.4
1 ha and under 2 ha													14	0.2					14	0.5	626	153.8
2 ha and under 3 ha																					14	5.1
3 ha and under 4 ha																						
4 ha and under 5 ha																						
5 ha and under 10 ha																						
10 ha and over																						
Total	299	3.5											355	5.1			14	0.5	100	2.4	10,807	824.8

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Table 6c. Number, area of holdings, number of holdings reporting and area under different temporary crops by total area of holding

Total area of holding	Potato		Sweet potato		Colocasia		Other tubers and bulbs	
	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land								
Holding with land	13,665	548.5	28	0.6	28	0.4	28	0.5
Under 0.1 ha	1,024	14.0	14	0.0	14	0.2		
0.1 ha and Under 0.2 ha	2,147	40.1						
0.2 ha and under 0.5 ha	6,655	226.4			14	0.2	14	0.1
0.5 ha and under 1 ha	3,142	193.2	14	0.5				
1 ha and under 2 ha	654	70.8					14	0.4
2 ha and under 3 ha	28	3.2						
3 ha and under 4 ha	14	0.7						
4 ha and under 5 ha								
5 ha and under 10 ha								
10 ha and over								
Total	13,665	548.5	28	0.6	28	0.4	28	0.5

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Table 6d. Number, area of holdings, number of holdings reporting and area under different temporary crops by total area of holding

Total area of holding	Mustard		Ground nut		Linseed		Sesame		Niger seed		Other oilseed crops	
	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land												
Holding with land	839	28.0	14	0.2	28	0.2	28	0.1			57	1.7
Under 0.1 ha	28	0.1					14	0.0				
0.1 ha and Under 0.2 ha	71	1.0										
0.2 ha and under 0.5 ha	384	7.4	14	0.2			14	0.0			43	1.5
0.5 ha and under 1 ha	213	8.2			28	0.2					14	0.2
1 ha and under 2 ha	142	11.3										
2 ha and under 3 ha												
3 ha and under 4 ha												
4 ha and under 5 ha												
5 ha and under 10 ha												
10 ha and over												
Total	839	28.0	14	0.2	28	0.2	28	0.1			57	1.7

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Table 6e. Number, area of holdings, number of holdings reporting and area under different temporary crops by total area of holding

Total area of holding	Sugarcane		Jute		Tobacco		Other cash crops	
	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land								
Holding with land					142	1.1	100	0.7
Under 0.1 ha								
0.1 ha and Under 0.2 ha							14	0.0
0.2 ha and under 0.5 ha					128	0.9	71	0.6
0.5 ha and under 1 ha					14	0.2	14	0.0
1 ha and under 2 ha								
2 ha and under 3 ha								
3 ha and under 4 ha								
4 ha and under 5 ha								
5 ha and under 10 ha								
10 ha and over								
Total					142	1.1	100	0.7

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Table 6f. Number, area of holdings, number of holdings reporting and area under temporary crops by total area of holding

Total area of holding	Chili		Onion		Garlic		Ginger		Turmeric		Coriander seed		Other spice crops	
	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land														
Holding with land	7,152	57.1	910	5.4	1,706	9.4	14	0.2	43	0.5	412	1.1	28	0.1
Under 0.1 ha	512	1.8			71	0.4			28	0.3	14	0.0		
0.1 ha and Under 0.2 ha	1,052	6.0	57	0.2	228	0.8					57	0.2		
0.2 ha and under 0.5 ha	3,398	24.5	555	2.7	1,066	5.5			14	0.3	242	0.7	28	0.1
0.5 ha and under 1 ha	1,706	18.6	284	2.4	313	2.5	14	0.2			100	0.2		
1 ha and under 2 ha	455	5.9	14	0.1	28	0.1								
2 ha and under 3 ha	28	0.2												
3 ha and under 4 ha														
4 ha and under 5 ha														
5 ha and under 10 ha														
10 ha and over														
Total	7,152	57.1	910	5.4	1,706	9.4	14	0.2	43	0.5	412	1.1	28	0.1

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Table 6g. Number, area of holdings, number of holdings reporting and area under different temporary crops by total area of holding

Total area of holding	Cauliflower		Cabbage		Tomato		Others	
	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land								
Holding with land	2,801	21.5	441	3.5	185	1.1	6,356	118.2
Under 0.1 ha	114	0.6					555	5.9
0.1 ha and Under 0.2 ha	341	1.9	43	0.2			1,010	15.5
0.2 ha and under 0.5 ha	1,564	8.7	256	2.2	100	0.4	3,142	55.8
0.5 ha and under 1 ha	683	5.0	128	0.5	85	0.7	1,436	34.7
1 ha and under 2 ha	100	5.4	14	0.6			199	5.9
2 ha and under 3 ha							14	0.3
3 ha and under 4 ha								
4 ha and under 5 ha								
5 ha and under 10 ha								
10 ha and over								
Total	2,801	21.5	441	3.5	185	1.1	6,356	118.2

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Table 7. Plantation features and ages of different permanent crops by total area of holding

Total area of holding	Total		Permanent crops									
	No. of holdings	Area (ha)	No. of holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
					Productive age			Non-productive age			Productive age	Non-productive age
					No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land	14	0.3										
Holding with land	17,760	7,010.6	12,143	536.8	4,479	149.3	152,771	8,901	387.5	495,994	14,489	13,594
under 0.1 ha	1,550	108.6	469	4.0	142	1.1	1,763	228	3.0	4,180	128	299
0.1 ha and under 0.2 ha	3,100	464.7	1,721	26.6	640	8.9	15,527	938	17.7	27,983	1,024	1,848
0.2 ha and under 0.5 ha	8,674	2,887.7	6,313	222.6	2,332	68.4	78,135	4,621	154.2	213,288	6,683	5,759
0.5 ha and under 1 ha	3,654	2,439.3	2,943	186.0	1,166	52.7	48,544	2,503	133.3	177,626	6,043	4,209
1 ha and under 2 ha	739	985.4	668	84.3	199	18.3	8,802	583	66.0	68,366	611	1,479
2 ha and under 3 ha	28	75.7	14	11.9				14	11.9	2,844		
3 ha and under 4 ha	14	49.2	14	1.4				14	1.4	1,706		
4 ha and under 5 ha												
5 ha and under 10 ha												
10 ha and over												
Total	17,774	7,010.9	12,143	536.8	4,479	149.3	152,771	8,901	387.5	495,994	14,489	13,594

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Table 7a. Plantation features and ages of orange by total area of holding

Total area of holding	Orange									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land										
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha										
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total										

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Table 7b. Plantation features and ages of junar by total area of holding

Total area of holding	Junar									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land										
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha										
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total										

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Table 7c. Plantation features and ages of lemon by total area of holding

Total area of holding	Lemon									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land	14	0.1	14	0.1	142					
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha	14	0.1	14	0.1	142					
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total	14	0.1	14	0.1	142					

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Table 7d. Plantation features and ages of lime by total area of holding

Total area of holding	Lime									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land	14							28		
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha										
1 ha and under 2 ha	14							28		
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total	14							28		

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Table 7e. Plantation features and ages of sweet orange by total area of holding

Total area of holding	Sweet orange									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land										
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha										
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total										

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Table 7f. Plantation features and ages of other citrus fruits by total area of holding

Total area of holding	Other citrus fruits									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land	85	3.4	28	0.4	569	71	3.0	2,943		
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha	28	0.8	14	0.0	355	14	0.7	498		
0.5 ha and under 1 ha	43	1.4	14	0.4	213	43	1.0	768		
1 ha and under 2 ha	14	1.3				14	1.3	1,678		
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total	85	3.4	28	0.4	569	71	3.0	2,943		

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Table 7g. Plantation features and ages of mango by total area of holding

Total area of holding	Mango									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land										
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha										
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total										

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Table 7h. Plantation features and ages of banana by total area of holding

Total area of holding	Banana									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land										
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha										
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total										

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Table 7i. Plantation features and ages of guava by total area of holding

Total area of holding	Guava									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land										
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha										
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total										

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Table 7j. Plantation features and ages of jackfruit by total area of holding

Total area of holding	Jackfruit									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land										
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha										
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total										

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Table 7k. Plantation features and ages of pineapple by total area of holding

Total area of holding	Pineapple					
	Total holdings reporting	Compact plantation area (ha)	Compact plantation			
			Productive age		Non-productive age	
			No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land						
Holding with land						
under 0.1 ha						
0.1 ha and under 0.2 ha						
0.2 ha and under 0.5 ha						
0.5 ha and under 1 ha						
1 ha and under 2 ha						
2 ha and under 3 ha						
3 ha and under 4 ha						
4 ha and under 5 ha						
5 ha and under 10 ha						
10 ha and over						
Total						

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Table 71. Plantation features and ages of lychee by total area of holding

Total area of holding	Lychee									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land										
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha										
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total										

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Table 7m. Plantation features and ages of apple by total area of holding

Total area of holding	Apple									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land	11,816	520.7	4,038	144.3	144,097	8,318	376.4	484,221	10,721	10,465
under 0.1 ha	469	4.0	142	1.1	1,763	228	3.0	4,180	128	299
0.1 ha and under 0.2 ha	1,664	26.1	583	8.4	15,001	924	17.7	27,813	867	1,678
0.2 ha and under 0.5 ha	6,114	215.5	2,119	65.6	71,466	4,308	149.9	209,719	4,465	4,109
0.5 ha and under 1 ha	2,886	179.7	1,010	51.2	47,179	2,289	128.5	171,924	4,891	2,929
1 ha and under 2 ha	654	82.1	185	18.1	8,688	540	64.0	66,034	370	1,450
2 ha and under 3 ha	14	11.9				14	11.9	2,844		
3 ha and under 4 ha	14	1.4				14	1.4	1,706		
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total	11,816	520.7	4,038	144.3	144,097	8,318	376.4	484,221	10,721	10,465

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Table 7n. Plantation features and ages of pear by total area of holding

Total area of holding	Pear									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land	85	0.1	14	0.0	142	14	0.0	57	85	43
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha	71	0.1	14	0.0	142	14	0.0	57	85	
0.5 ha and under 1 ha	14									43
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total	85	0.1	14	0.0	142	14	0.0	57	85	43

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Table 7o. Plantation features and ages of peach by total area of holding

Total area of holding	Peach									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land	1,337	0.9	85	0.7	825	57	0.3	498	2,176	938
under 0.1 ha										
0.1 ha and under 0.2 ha	57	0.1	14	0.1	228				14	57
0.2 ha and under 0.5 ha	754	0.5	28	0.3	341	57	0.3	498	1,209	398
0.5 ha and under 1 ha	483	0.3	43	0.3	256				810	469
1 ha and under 2 ha	43								142	14
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total	1,337	0.9	85	0.7	825	57	0.3	498	2,176	938

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Table 7p. Plantation features and ages of papaya by total area of holding

Total area of holding	Papaya									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land										
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha										
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total										

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Table 7q. Plantation features and ages of pomegranate by total area of holding

Total area of holding	Pomegranate									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land	14									14
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha	14									14
0.5 ha and under 1 ha										
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total	14									14

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Table 7r. Plantation features and ages of coconut by total area of holding

Total area of holding	Coconut									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land										
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha										
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total										

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Table 7s. Plantation features and ages of walnut by total area of holding

Total area of holding	Walnut									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land	1,792	10.1	270	3.7	6,555	398	6.4	6,143	1,209	2,033
under 0.1 ha										
0.1 ha and under 0.2 ha	185	0.4	43	0.4	299	14	0.0	171	100	114
0.2 ha and under 0.5 ha	1,052	5.3	142	2.4	5,474	213	2.9	2,517	725	1,194
0.5 ha and under 1 ha	483	3.4	71	0.8	668	142	2.7	2,801	313	711
1 ha and under 2 ha	71	0.9	14	0.2	114	28	0.7	654	71	14
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total	1,792	10.1	270	3.7	6,555	398	6.4	6,143	1,209	2,033

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Table 7t. Plantation features and ages of beetle nut by total area of holding

Total area of holding	Betel Nut									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land										
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha										
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total										

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Table 7u. Plantation features and ages of other fruits by total area of holding

Total area of holding	Other fruits									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land	228	0.1	28	0.1	441			270	71	
under 0.1 ha										
0.1 ha and under 0.2 ha	28							43		
0.2 ha and under 0.5 ha	128	0.0	14	0.0	355			199	43	
0.5 ha and under 1 ha	71	0.0	14	0.0	85			28	28	
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total	228	0.1	28	0.1	441			270	71	

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Table 7v. Plantation features and ages of tea by total area of holding

Total area of holding	Tea					
	Total holdings reporting	Compact plantation area (ha)	Compact plantation			
			Productive age		Non-productive age	
			No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land						
Holding with land						
under 0.1 ha						
0.1 ha and under 0.2 ha						
0.2 ha and under 0.5 ha						
0.5 ha and under 1 ha						
1 ha and under 2 ha						
2 ha and under 3 ha						
3 ha and under 4 ha						
4 ha and under 5 ha						
5 ha and under 10 ha						
10 ha and over						
Total						

Note: Registered firms are not included.

Area is not shown for those holdings reporting scattered plants only.

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Table 7w. Plantation features and ages of coffee by total area of holding

Total area of holding	Coffee									
	Total holdings reporting	Compact plantation area (ha)	Compact plantation						Number of scattered trees	
			Productive age			Non-productive age			Productive age	Non-productive age
			No. of holdings	Area (ha)	Number of trees	No. of holdings	Area (ha)	Number of trees		
Holding without land										
Holding with land										
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha										
1 ha and under 2 ha										
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total										

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Table 7x. Plantation features and ages of black cardamom by total area of holding

Total area of holding	Black Cardamom					
	Total holdings reporting	Compact plantation area (ha)	Compact plantation area (ha)			
			Productive age		Non-productive age	
			No. of holdings	Area (ha)	No. of holdings	Area (ha)
Holding without land						
Holding with land						
under 0.1 ha						
0.1 ha and under 0.2 ha						
0.2 ha and under 0.5 ha						
0.5 ha and under 1 ha						
1 ha and under 2 ha						
2 ha and under 3 ha						
3 ha and under 4 ha						
4 ha and under 5 ha						
5 ha and under 10 ha						
10 ha and over						
Total						

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Table 7y. Plantation features and ages of amriso, thatch and bamboo by total area of holding

Total area of holding	Broom-Grass (Amriso)		Thatch		Bamboo	
	Number of holdings	Area (ha)	Number of holdings	Area (ha)	Number of holdings	Area (ha)
Holding without land						
Holding with land			28	0.9	14	0.5
Under 0.1 ha						
0.1 ha and under 0.2 ha						
0.2 ha and under 0.5 ha			14	0.4		
0.5 ha and under 1 ha			14	0.5	14	0.5
1 ha and under 2 ha						
2 ha and under 3 ha						
3 ha and under 4 ha						
4 ha and under 5 ha						
5 ha and under 10 ha						
10 ha and over						
Total			28	0.9	14	0.5

Note: Area is not shown for those holdings reporting scattered clumps of bamboo only

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Table 7z. Plantation features and ages of fodder tree and multi-year grass crops by total area of holding

Total area of holding	Fodder Tree			Multi-year grass crops		
	Number of holdings	Compact plantation		Number of scattered trees	Number of holdings	Area (ha)
		Area (ha)	Number of Trees			
Holding without land						
Holding with land						
Under 0.1 ha						
0.1 ha and under 0.2 ha						
0.2 ha and under 0.5 ha						
0.5 ha and under 1 ha						
1 ha and under 2 ha						
2 ha and under 3 ha						
3 ha and under 4 ha						
4 ha and under 5 ha						
5 ha and under 10 ha						
10 ha and over						
Total						

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Table 8. Number, area of holdings, number of holdings reporting, use of agricultural inputs, area treated with and quantity of chemical/mineral fertilizers used by total area of holding

Total area of holding	Total		Paddy												
	No. of holdings	Area (ha)	No. of holdings reporting	Seeds			Pesticides	Irrigated and fertilizers used			Unirrigated and fertilizers used			Area treated with mineral/ chemical fertilizers and quantity used	
				No. of holdings using				No. of holdings using	No. of holdings using			No. of holdings using			Area (ha)
				Local seeds	Improved seeds	Hybrid seeds	Local fertilizers		Mineral/chemical	Both	Local fertilizers	Mineral/chemical	Both		
Holding without land	14	0.3													
Holding with land	17,760	7,010.6	11,418	10,735	683	142	10,821		14	2,090			0.4	1	
under 0.1 ha	1,550	108.6	995	981	14	14	938			213					
0.1 ha and under 0.2 ha	3,100	464.7	2,161	2,090	71	43	2,005		14	412			0.4	1	
0.2 ha and under 0.5 ha	8,674	2,887.7	5,617	5,204	412	71	5,418			953					
0.5 ha and under 1 ha	3,654	2,439.3	2,119	1,962	156	14	1,962			441					
1 ha and under 2 ha	739	985.4	498	498			469			71					
2 ha and under 3 ha	28	75.7	28		28		28								
3 ha and under 4 ha	14	49.2													
4 ha and under 5 ha															
5 ha and under 10 ha															
10 ha and over															
Total	17,774	7,010.9	11,418	10,735	683	142	10,821		14	2,090			0.4	1	

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Table 8. Number, area of holdings, number of holdings reporting, use of agricultural inputs, area treated with and quantity of chemical/mineral fertilizers used by total area of holding (Continued 1)

Total area of holding	Total		Maize												
	No. of holdings	Area (ha)	No. of holdings reporting	Seeds			Pesticides	Irrigated and fertilizers used			Unirrigated and fertilizers used			Area treated with mineral/ chemical fertilizer and quantity used	
				No. of holdings using			No. of holdings using	No. of holdings using			No. of holdings using			Area (ha)	Quantity (Qtl.)
				Local seeds	Improved seeds	Hybrid seeds		Local fertilizers	Mineral/chemical	Both	Local fertilizers	Mineral/chemical	Both		
Holding without land	14	0.3													
Holding with land	17,760	7,010.6	12,015	11,859	156	355	1,678				11,446				
under 0.1 ha	1,550	108.6	739	725	14	71	28				725				
0.1 ha and under 0.2 ha	3,100	464.7	1,635	1,635		85	213				1,593				
0.2 ha and under 0.5 ha	8,674	2,887.7	5,986	5,873	114	156	995				5,617				
0.5 ha and under 1 ha	3,654	2,439.3	3,014	2,986	28	43	384				2,872				
1 ha and under 2 ha	739	985.4	626	626			57				626				
2 ha and under 3 ha	28	75.7													
3 ha and under 4 ha	14	49.2	14	14							14				
4 ha and under 5 ha															
5 ha and under 10 ha															
10 ha and over															
Total	17,774	7,010.9	12,015	11,859	156	355	1,678				11,446				

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Table 8. Number, area of holdings, number of holdings reporting, use of agricultural inputs, area treated with and quantity of chemical/mineral fertilizers used by total area of holding (Continued 2)

Total area of holding	Total		Wheat												
	No. of holdings	Area (ha)	No. of holdings reporting	Seeds			Pesticides	Irrigated and fertilizers used			Unirrigated and fertilizers used			Area Treated with mineral/ chemical fertilizer and quantity used	
				No. of holdings using				No. of holdings using	No. of holdings using						
				Local seeds	Improved seeds	Hybrid seeds	Local fertilizers		Mineral/chemical	Both	Local fertilizers	Mineral/chemical	Both	Area (ha)	Quantity (Qtl.)
Holding without land	14	0.3													
Holding with land	17,760	7,010.6	13,992	13,124	867	498	3,214				12,456				
under 0.1 ha	1,550	108.6	924	882	43	57	199				853				
0.1 ha and under 0.2 ha	3,100	464.7	2,133	1,991	142	85	526				1,834				
0.2 ha and under 0.5 ha	8,674	2,887.7	6,839	6,285	555	242	1,649				6,015				
0.5 ha and under 1 ha	3,654	2,439.3	3,313	3,242	71	85	697				3,071				
1 ha and under 2 ha	739	985.4	739	697	43	14	128				654				
2 ha and under 3 ha	28	75.7	28	14	14	14	14				14				
3 ha and under 4 ha	14	49.2	14	14							14				
4 ha and under 5 ha															
5 ha and under 10 ha															
10 ha and over															
Total	17,774	7,010.9	13,992	13,124	867	498	3,214				12,456				

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Table 8. Number, area of holdings, number of holdings reporting, use of agricultural inputs, area treated with and quantity of chemical/mineral fertilizers used by total area of holding (Continued 3)

Total area of holding	Total		Potato												
	No. of holdings	Area (ha)	No. of holdings reporting	Seeds			Pesticides	Irrigated and fertilizers used			Unirrigated and fertilizers used			Area treated with mineral/ chemical fertilizer and quantity used	
				No. of holdings using			No. of holdings using	No. of holdings using			No. of holdings using				
				Local seeds	Improved seeds	Hybrid seeds		Local fertilizers	Mineral/chemical fertilizers	Both	Local fertilizers	Mineral/chemical fertilizers	Both	Area (ha)	Quantity (Qtl.)
Holding without land	14	0.3													
Holding with land	17,760	7,010.6	13,665	12,300	1,351	14	640	2,005				12,840			
under 0.1 ha	1,550	108.6	1,024	967	57		142	171				953			
0.1 ha and under 0.2 ha	3,100	464.7	2,147	1,948	199		114	299				1,991			
0.2 ha and under 0.5 ha	8,674	2,887.7	6,655	5,858	796		213	1,081				6,200			
0.5 ha and under 1 ha	3,654	2,439.3	3,142	2,872	270		156	355				3,043			
1 ha and under 2 ha	739	985.4	654	640	14		14	85				626			
2 ha and under 3 ha	28	75.7	28		14	14		14				14			
3 ha and under 4 ha	14	49.2	14	14								14			
4 ha and under 5 ha															
5 ha and under 10 ha															
10 ha and over															
Total	17,774	7,010.9	13,665	12,300	1,351	14	640	2,005				12,840			

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Table8. Number, area of holdings, number of holdings reporting, use of agricultural inputs, area treated with and quantity of chemical/mineral fertilizers used by total area of holding (Continued 4)

Total area of holding	Total		Sugarcane												
	No. of holdings	Area (ha)	No. of holdings reporting	Seeds			Pesticides	Irrigated and fertilizers used			Unirrigated and fertilizers used			Area treated with chemical/mineral fertilizer and quantity used	
				No. of holdings using			No. of holdings using	No. of holdings using			No. of holdings using			Area (ha)	Quantity (Qtl.)
				Local seeds	Improved seeds	Hybrid seeds		Local fertilizers	Mineral/chemical fertilizers	Both	Local fertilizers	Mineral/chemical fertilizers	Both		
Holding without land	14	0.3													
Holding with land	17,760	7,010.6													
under 0.1 ha	1,550	108.6													
0.1 ha and under 0.2 ha	3,100	464.7													
0.2 ha and under 0.5 ha	8,674	2,887.7													
0.5 ha and under 1 ha	3,654	2,439.3													
1 ha and under 2 ha	739	985.4													
2 ha and under 3 ha	28	75.7													
3 ha and under 4 ha	14	49.2													
4 ha and under 5 ha															
5 ha and under 10 ha															
10 ha and over															
Total	17,774	7,010.9													

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Table 8. Number, area of holdings, number of holdings reporting, use of agricultural inputs, area treated with and quantity of chemical/mineral fertilizers used by total area of holding (Continued 5)

Total area of holding	Total		Vegetables												
	No. of holdings	Area (ha)	No. of holdings reporting	Seeds			Pesticides	Irrigated and fertilizers used			Unirrigated and fertilizers used			Area treated with chemical/ mineral fertilizer and quantity used	
				No. of holdings using			No. of holdings using	No. of holdings using			No. of holdings using			Area (ha)	Quantity (Qtl.)
				Local seeds	Improved seeds	Hybrid seeds		Local fertilizers	Mineral/chemical fertilizers	Both	Local fertilizers	Mineral/chemical fertilizers	Both		
Holding without land	14	0.3													
Holding with land	17,760	7,010.6	7,678	6,356	1,194	128	355	1,465				6,967			
under 0.1 ha	1,550	108.6	640	583	57		71	156				512			
0.1 ha and under 0.2 ha	3,100	464.7	1,180	1,081	100		71	228				1,052			
0.2 ha and under 0.5 ha	8,674	2,887.7	3,939	3,171	683	85	185	782				3,612			
0.5 ha and under 1 ha	3,654	2,439.3	1,664	1,322	327	14	28	256				1,564			
1 ha and under 2 ha	739	985.4	242	199	28	14		28				228			
2 ha and under 3 ha	28	75.7	14			14		14							
3 ha and under 4 ha	14	49.2													
4 ha and under 5 ha															
5 ha and under 10 ha															
10 ha and over															
Total	17,774	7,010.9	7,678	6,356	1,194	128	355	1,465				6,967			

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Table 8. Number, area of holdings, number of holdings reporting, use of agricultural inputs, area treated with and quantity of chemical/mineral fertilizers used by total area of holding (Continued 6)

Total area of holding	Total		Other crops												
	No. of holdings	Area (ha)	No. of holdings reporting	Seeds			Pesticides	Irrigated and fertilizers used			Unirrigated and fertilizers used			Area treated with mineral/ chemical fertilizer and quantity used	
				No. of holdings using				No. of holdings using	No. of holdings using			No. of holdings using			Area (ha)
				Local seeds	Improved seeds	Hybrid seeds	Local fertilizers		Mineral/ chemical fertilizers	Both	Local fertilizers	Mineral/ chemical fertilizers	Both		
Holding without land	14	0.3													
Holding with land	17,760	7,010.6	17,234	16,964	256	14	768	6,896				14,077			
under 0.1 ha	1,550	108.6	1,408	1,379	28		156	640				1,123			
0.1 ha and under 0.2 ha	3,100	464.7	3,014	3,014			114	1,379				2,360			
0.2 ha and under 0.5 ha	8,674	2,887.7	8,475	8,290	171	14	355	3,612				6,783			
0.5 ha and under 1 ha	3,654	2,439.3	3,597	3,541	57		128	1,081				3,171			
1 ha and under 2 ha	739	985.4	711	711			14	156				640			
2 ha and under 3 ha	28	75.7	28	28				28							
3 ha and under 4 ha	14	49.2													
4 ha and under 5 ha															
5 ha and under 10 ha															
10 ha and over															
Total	17,774	7,010.9	17,234	16,964	256	14	768	6,896				14,077			

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Table 9. Number of holdings reporting different type of livestocks by area of holding

Total area of holding	Livestock											
	Total		Cattle		Yak/Nak/Chauri		Buffalo		Goat		Sheep	
	No. of holdings	No. of heads	No. of holdings	No. of heads	No. of holdings	No. of heads	No. of holdings	No. of heads	No. of holdings	No. of heads	No. of holdings	No. of heads
Holding without land	14	27	14	27								
Holding with land	15,626	202,019	15,096	64,754	107	470	1,599	2,468	5,525	46,968	3,349	75,487
Under 0.1 ha	987	7,812	884	2,667	53	188	66	76	368	3,315	70	578
0.1 ha and under 0.2 ha	2,558	16,429	2,431	9,087			170	304	708	3,362	158	2,670
0.2 ha and under 0.5 ha	7,799	98,284	7,610	32,913	18	47	904	1,354	2,706	22,069	1,859	35,502
0.5 ha and under 1 ha	3,517	61,041	3,425	16,305	36	235	315	506	1,445	13,545	1,070	27,453
1 ha and under 2 ha	723	18,181	704	3,547			118	190	298	4,677	193	9,284
2 ha and under 3 ha	28	189	28	151			26	38				
3 ha and under 4 ha	14	82	14	82								
4 ha and under 5 ha												
5 ha and under 10 ha												
10 ha and over												
Total	15,640	202,047	15,110	64,781	107	470	1,599	2,468	5,525	46,968	3,349	75,487

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Table 9. Number of holdings reporting different type of livestocks by area of holding (Continued)

Total area of holding	Livestock									
	pig		Horse		Mules and Asses		Rabbit		Other	
	No. of holdings	No. of heads	No. of holdings	No. of heads	No. of holdings	No. of heads	No. of holdings	No. of heads	No. of holdings	No. of heads
Holding without land										
Holding with land	190	995	1,436	3,455	370	1,194	1,507	6,029	114	199
Under 0.1 ha	27	249	142	455	28	28	71	242	14	14
0.1 ha and under 0.2 ha	14	25	171	242			171	739		
0.2 ha and under 0.5 ha	136	696	754	1,678	228	867	839	3,014	71	142
0.5 ha and under 1 ha	14	25	327	938	114	299	370	1,692	28	43
1 ha and under 2 ha			43	142			57	341		
2 ha and under 3 ha										
3 ha and under 4 ha										
4 ha and under 5 ha										
5 ha and under 10 ha										
10 ha and over										
Total	190	995	1,436	3,455	370	1,194	1,507	6,029	114	199

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Table 9a. Number of holdings reporting livestock according to age, sex and breed by total area of holding

Total area of holding	Cattle												
	All ages				Under one year								
	No. of holdings	Number of heads			Number of heads			Number of heads			Number of heads		
		Total	Local	Improved	Total	Local	Improved	Total	Local	Improved	Total	Local	Improved
Holding without land	14	27	27		14	14		14	14				
Holding with land	15,096	64,754	64,547	206	9,720	9,679	41	4,633	4,606	27	5,087	5,073	14
under 0.1 ha	884	2,667	2,667		481	481		261	261		220	220	
0.1 ha and under 0.2 ha	2,431	9,087	9,087		1,389	1,389		632	632		756	756	
0.2 ha and under 0.5 ha	7,610	32,913	32,803	110	4,853	4,812	41	2,117	2,090	27	2,736	2,722	14
0.5 ha and under 1 ha	3,425	16,305	16,223	82	2,406	2,406		1,265	1,265		1,141	1,141	
1 ha and under 2 ha	704	3,547	3,547		550	550		344	344		206	206	
2 ha and under 3 ha	28	151	137	14	27	27		14	14		14	14	
3 ha and under 4 ha	14	82	82		14	14					14	14	
4 ha and under 5 ha													
5 ha and under 10 ha													
10 ha and over													
Total	15,110	64,781	64,575	206	9,734	9,692	41	4,647	4,619	27	5,087	5,073	14

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Table 9a. Number of holdings reporting livestock according to age, sex and breed by total area of holding (Continued)

Total area of holding	Cattle								
	One to three years								
	Total			Male			Female		
	Number of heads			Number of heads			Number of heads		
	Total	Local	Improved	Total	Local	Improved	Total	Local	Improved
Holding without land									
Holding with land	10,888	10,861	27	5,788	5,774	14	5,101	5,087	14
under 0.1 ha	412	412		247	247		165	165	
0.1 ha and under 0.2 ha	1,581	1,581		784	784		797	797	
0.2 ha and under 0.5 ha	5,595	5,595		3,066	3,066		2,530	2,530	
0.5 ha and under 1 ha	2,681	2,667	14	1,375	1,375		1,306	1,292	14
1 ha and under 2 ha	605	605		302	302		302	302	
2 ha and under 3 ha	14		14	14		14			
3 ha and under 4 ha									
4 ha and under 5 ha									
5 ha and under 10 ha									
10 ha and over									
Total	10,888	10,861	27	5,788	5,774	14	5,101	5,087	14

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Table 9a. Number of holdings reporting livestock according to age, sex and breed by total area of holding (Continued)

Total area of holding	Cattle											
	Three years and over											
	Total			Male			Female					
	Number of heads			Number of heads			Cows			Cows in milk		
	Total	Local	Improved	Total	Local	Improved	Number of heads			Number of heads		
Total	Local	Improved	Total	Local	Improved	Total	Local	Improved	Total	Local	Improved	
Holding without land	14	14				14	14					
Holding with land	44,145	44,008	137	19,962	19,935	27	10,297	10,215	82	13,886	13,858	27
Under 0.1 ha	1,774	1,774		701	701		440	440		632	632	
0.1 ha and Under 0.2 ha	6,118	6,118		2,488	2,488		1,471	1,471		2,158	2,158	
0.2 ha and Under 0.5 ha	22,464	22,396	69	10,174	10,174		5,321	5,252	69	6,970	6,970	
0.5 ha and Under 1 ha	11,218	11,150	69	5,430	5,403	27	2,461	2,447	14	3,327	3,300	27
1 ha and Under 2 ha	2,392	2,392		1,127	1,127		564	564		701	701	
2 ha and Under 3 ha	110	110		41	41		41	41		27	27	
3 ha and Under 4 ha	69	69								69	69	
4 ha and Under 5 ha												
5 ha and Under 10 ha												
10 ha and over												
Total	44,159	44,021	137	19,962	19,935	27	10,311	10,229	82	13,886	13,858	27

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Table 9b. Number of holdings reporting livestock according to age, sex and breed by total area of holding

Total area of holding	Yak/Nak/Chauri											
	All ages		Under one year			One to three year			Three years and over			
	No. of holdings	No. of heads	Total	Male	Female	Total	Male	Female	Total	Male	Female	
			No. of heads	No. of heads	No. of heads	No. of heads	No. of heads	No. of heads	No. of heads	No. of heads	No. of heads	No. of heads
Holding without land												
Holding with land	107	470	94		94	94		94	282		188	94
under 0.1 ha	53	188				94		94	94		47	47
0.1 ha and under 0.2 ha												
0.2 ha and under 0.5 ha	18	47							47			47
0.5 ha and under 1 ha	36	235	94		94				141		141	
1 ha and under 2 ha												
2 ha and under 3 ha												
3 ha and under 4 ha												
4 ha and under 5 ha												
5 ha and under 10 ha												
10 ha and over												
Total	107	470	94		94	94		94	282		188	94

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Table 9c. Number of holdings reporting livestock according to age, sex and breed by total area of holding

Total area of holding	Buffalo												
	All ages			Under one year									
	No. of holdings	Number of heads			Number of heads			Male			Female		
		Total	Local	Improved	Total	Local	Improved	Total	Local	Improved	Total	Local	Improved
Holding without land													
Holding with land	1,599	2,468	2,468	443	443		177	177		266	266		
under 0.1 ha	66	76	76	13	13					13	13		
0.1 ha and under 0.2 ha	170	304	304	51	51		13	13		38	38		
0.2 ha and under 0.5 ha	904	1,354	1,354	228	228		114	114		114	114		
0.5 ha and under 1 ha	315	506	506	101	101		25	25		76	76		
1 ha and under 2 ha	118	190	190	38	38		13	13		25	25		
2 ha and under 3 ha	26	38	38	13	13		13	13					
3 ha and under 4 ha													
4 ha and under 5 ha													
5 ha and under 10 ha													
10 ha and over													
Total	1,599	2,468	2,468	443	443		177	177		266	266		

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Table 9c. Number of holdings reporting livestock according to age, sex and breed by total area of holding (Continued)

Total area of holding	Buffalo								
	One to three years								
	Total			Male			Female		
	Number of heads			Number of heads			Number of heads		
	Total	Local	Improved	Total	Local	Improved	Total	Local	Improved
Holding without land									
Holding with land	430	430		177	177		253	253	
under 0.1 ha									
0.1 ha and under 0.2 ha	76	76		13	13		63	63	
0.2 ha and under 0.5 ha	266	266		139	139		127	127	
0.5 ha and under 1 ha	51	51		25	25		25	25	
1 ha and under 2 ha	38	38					38	38	
2 ha and under 3 ha									
3 ha and under 4 ha									
4 ha and under 5 ha									
5 ha and under 10 ha									
10 ha and over									
Total	430	430		177	177		253	253	

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Table 9c. Number of holdings reporting livestock according to age, sex and breed by total area of holding (Continued)

Total area of holding	Buffalo											
	Three years and over											
	Total			Male			Female					
	Number of heads			Number of heads			Buffalo			Buffalo in milk		
	Total	Local	Improved	Total	Local	Improved	Number of head			Number of head		
							Total	Local	Improved	Total	Local	Improved
Holding without land												
Holding with land	1,595	1,595		25	25		899	899		671	671	
Under 0.1 ha	63	63					25	25		38	38	
0.1 ha and Under 0.2 ha	177	177					114	114		63	63	
0.2 ha and Under 0.5 ha	861	861		13	13		506	506		342	342	
0.5 ha and Under 1 ha	354	354		13	13		190	190		152	152	
1 ha and Under 2 ha	114	114					51	51		63	63	
2 ha and Under 3 ha	25	25					13	13		13	13	
3 ha and Under 4 ha												
4 ha and Under 5 ha												
5 ha and Under 10 ha												
10 ha and over												
Total	1,595	1,595		25	25		899	899		671	671	

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Table 9d. Number of holdings reporting livestock according to age, sex and breed by total area of holding

Total area of holding	Goat												
	All ages			Under six months									
	No. of holdings	No. of heads			No. of heads			No. of heads			No. of heads		
		Total	Local	Improved	Total	Local	Improved	Total	Local	Improved	Total	Local	Improved
Holding without land													
Holding with land	5,525	46,968	46,968	12,254	12,254		5,884	5,884		6,370	6,370		
Under 0.1 ha	368	3,315	3,315	628	628		320	320		308	308		
0.1 ha and Under 0.2 ha	708	3,362	3,362	923	923		462	462		462	462		
0.2 ha and Under 0.5 ha	2,706	22,069	22,069	5,446	5,446		2,628	2,628		2,818	2,818		
0.5 ha and Under 1 ha	1,445	13,545	13,545	4,014	4,014		1,894	1,894		2,119	2,119		
1 ha and Under 2 ha	298	4,677	4,677	1,243	1,243		580	580		663	663		
2 ha and Under 3 ha													
3 ha and Under 4 ha													
4 ha and Under 5 ha													
5 ha and Under 10 ha													
10 ha and over													
Total	5,525	46,968	46,968	12,254	12,254		5,884	5,884		6,370	6,370		

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Table 9d. Number of holdings reporting livestock according to age, sex and breed by total area of holding (Continued)

Total area of holding	Goat								
	Six months and over								
	Total			Male			Female		
	No. of heads			No. of heads			No. of heads		
	Total	Local	Improved	Total	Local	Improved	Total	Local	Improved
Holding without land									
Holding with land	34,714	34,714		8,927	8,927		25,787	25,787	
Under 0.1 ha	2,688	2,688		852	852		1,835	1,835	
0.1 ha and Under 0.2 ha	2,439	2,439		462	462		1,977	1,977	
0.2 ha and Under 0.5 ha	16,623	16,623		4,014	4,014		12,609	12,609	
0.5 ha and Under 1 ha	9,531	9,531		2,972	2,972		6,559	6,559	
1 ha and Under 2 ha	3,434	3,434		628	628		2,806	2,806	
2 ha and Under 3 ha									
3 ha and Under 4 ha									
4 ha and Under 5 ha									
5 ha and Under 10 ha									
10 ha and over									
Total	34,714	34,714		8,927	8,927		25,787	25,787	

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Table 9e. Number of holdings reporting livestock according to age, sex and breed by total area of holding

Total area of holding	Sheep												
	All ages			Under six months									
	No. of holdings	No. of heads			No. of heads			No. of heads			No. of heads		
		Total	Local	Improved	Total	Local	Improved	Total	Local	Improved	Total	Local	Improved
Holding without land													
Holding with land	3,349	75,487	75,487		20,421	20,421		9,882	9,882		10,539	10,539	
Under 0.1 ha	70	578	578		159	159		120	120		40	40	
0.1 ha and Under 0.2 ha	158	2,670	2,670		618	618		339	339		279	279	
0.2 ha and Under 0.5 ha	1,859	35,502	35,502		9,643	9,643		4,522	4,522		5,120	5,120	
0.5 ha and Under 1 ha	1,070	27,453	27,453		7,511	7,511		3,626	3,626		3,885	3,885	
1 ha and Under 2 ha	193	9,284	9,284		2,490	2,490		1,275	1,275		1,215	1,215	
2 ha and Under 3 ha													
3 ha and Under 4 ha													
4 ha and Under 5 ha													
5 ha and Under 10 ha													
10 ha and over													
Total	3,349	75,487	75,487		20,421	20,421		9,882	9,882		10,539	10,539	

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Table 9e. Number of holdings reporting livestock according to age, sex and breed by total area of holding (Continued)

Total area of holding	Sheep								
	Six months and over								
	Total			Male			Female		
	No. of heads			No. of heads			No. of heads		
	Total	Local	Improved	Total	Local	Improved	Total	Local	Improved
Holding without land									
Holding with land	55,066	55,066		16,556	16,556		38,511	38,511	
Under 0.1 ha	418	418		159	159		259	259	
0.1 ha and Under 0.2 ha	2,052	2,052		797	797		1,255	1,255	
0.2 ha and Under 0.5 ha	25,860	25,860		8,587	8,587		17,273	17,273	
0.5 ha and Under 1 ha	19,943	19,943		5,240	5,240		14,703	14,703	
1 ha and Under 2 ha	6,794	6,794		1,773	1,773		5,021	5,021	
2 ha and Under 3 ha									
3 ha and Under 4 ha									
4 ha and Under 5 ha									
5 ha and Under 10 ha									
10 ha and over									
Total	55,066	55,066		16,556	16,556		38,511	38,511	

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Table 9f. Number of holdings reporting livestock according to age, sex and breed by total area of holding

Total area of holding	Pig									
	No. of holdings	Total			Under six months			Six months and over		
		Number of heads			Number of heads			Number of heads		
		Total	Local	Improved	Total	Local	Improved	Total	Local	Improved
Holding without land										
Holding with land	190	995	995	522	522		473	473		
Under 0.1 ha	27	249	249	199	199		50	50		
0.1 ha and Under 0.2 ha	14	25	25	25	25					
0.2 ha and Under 0.5 ha	136	696	696	299	299		398	398		
0.5 ha and Under 1 ha	14	25	25				25	25		
1 ha and Under 2 ha										
2 ha and Under 3 ha										
3 ha and Under 4 ha										
4 ha and Under 5 ha										
5 ha and Under 10 ha										
10 ha and over										
Total	190	995	995	522	522		473	473		

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Table 10. Number of holdings reporting different type of birds by area of holding

Total area of holding	Poultry (Chicken)												
	Total		Local						Improved				
	No. of holdings	Number of birds	No. of holdings	Number of birds					No. of holdings	Number of birds			
				Total	Chicks	Cocks	Hens			Total	Broiler	Layers	Giriraj
Laying eggs	Not laying eggs												
Holding without land	14	128	14	128	114			14					
Holding with land	5,745	27,244	5,560	26,306	13,352	3,398	4,180	5,375	427	938	469	469	
Under 0.1 ha	398	1,777	398	1,635	683	284	256	412	71	142	142		
0.1 ha and Under 0.2 ha	938	3,555	910	3,427	1,635	370	668	754	71	128	114	14	
0.2 ha and Under 0.5 ha	2,687	12,271	2,574	11,731	6,086	1,237	2,033	2,375	228	540	213	327	
0.5 ha and Under 1 ha	1,337	7,636	1,322	7,579	3,797	1,266	938	1,578	28	57		57	
1 ha and Under 2 ha	355	1,806	327	1,735	1,010	242	256	228	28	71		71	
2 ha and Under 3 ha	14	14	14	14			14						
3 ha and Under 4 ha	14	185	14	185	142		14	28					
4 ha and Under 5 ha													
5 ha and Under 10 ha													
10 ha and over													
Total	5,759	27,372	5,574	26,433	13,466	3,398	4,180	5,389	427	938	469	469	

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Table 11. Number of holdings reporting different type of birds by area of holding

Total area of holding	Other birds					
	Duck		Pigeon		Others	
	No. of holdings	No. of birds	No. of holdings	No. of birds	No. of holdings	No. of birds
Holding without land						
Holding with land	14	71	43	370	100	199
Under 0.1 ha						
0.1 ha and Under 0.2 ha					28	28
0.2 ha and Under 0.5 ha			28	85	43	57
0.5 ha and Under 1 ha	14	71			28	114
1 ha and Under 2 ha			14	284		
2 ha and Under 3 ha						
3 ha and Under 4 ha						
4 ha and Under 5 ha						
5 ha and Under 10 ha						
10 ha and over						
Total	14	71	43	370	100	199

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Table 12. Number, area of holdings, number of holdings reporting use of implements and other facilities by total area of holding

Total area of holding	Total		No. of holdings reporting the use of										
	No. of holdings	Area (ha)	Iron ploughs	Power tillers	Shallow tube well	Deep tube well	Rower pump/Dhiki	Tractor	Thresher	Pumping set/ Motor	Animal drawn cart	Sprayer	Other equipments
Holding without land	14	0.3											
Holding with land	17,760	7,010.6										370	
Under 0.1 ha	1,550	108.6											
0.1 ha and Under 0.2 ha	3,100	464.7										28	
0.2 ha and Under 0.5 ha	8,674	2,887.7										171	
0.5 ha and Under 1 ha	3,654	2,439.3										128	
1 ha and Under 2 ha	739	985.4										28	
2 ha and Under 3 ha	28	75.7										14	
3 ha and Under 4 ha	14	49.2											
4 ha and Under 5 ha													
5 ha and Under 10 ha													
10 ha and over													
Total	17,774	7,010.9										370	

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Table 13. Number, area of holdings, number of agricultural implements and other facilities according to source by total area of holding

Total area of holding	Total		Number by source (On the day of enumeration)											
	No. of holdings	Area (ha)	Iron ploughs					No. of holdings	Power tillers					
			No. of holdings	Total	Owned solely	Owned Jointly	Land owner's		Rented/Others	Total	Owned solely	Owned Jointly	Land owner's	Rented/Others
Holding without land	14	0.3												
Holding with land	17,760	7,010.6												
Under 0.1 ha	1,550	108.6												
0.1 ha and Under 0.2 ha	3,100	464.7												
0.2 ha and Under 0.5 ha	8,674	2,887.7												
0.5 ha and Under 1 ha	3,654	2,439.3												
1 ha and Under 2 ha	739	985.4												
2 ha and Under 3 ha	28	75.7												
3 ha and Under 4 ha	14	49.2												
4 ha and Under 5 ha														
5 ha and Under 10 ha														
10 ha and over														
Total	17,774	7,010.9												

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Table 13. Number, area of holdings, number of agricultural implements and other facilities according to source by total area of holding (Continued)

Total area of holding	Number by source (On the day of enumeration)											
	Shallow tube well						Deep tube well					
	No. of holdings	Total	Owned solely	Owned Jointly	Land owner's	Rented/ Others	No. of holdings	Total	Owned solely	Owned Jointly	Land owner's	Rented/ Others
Holding without land												
Holding with land												
Under 0.1 ha												
0.1 ha and Under 0.2 ha												
0.2 ha and Under 0.5 ha												
0.5 ha and Under 1 ha												
1 ha and Under 2 ha												
2 ha and Under 3 ha												
3 ha and Under 4 ha												
4 ha and Under 5 ha												
5 ha and Under 10 ha												
10 ha and over												
Total												

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Table 13. Number, area of holdings, number of agricultural implements and other facilities according to source by total area of holding (Continued)

Total area of holding	Number by source (On the day of enumeration)											
	Rower pump/Dhiki pump						Tractor					
	No. of holdings	Total	Owned solely	Owned Jointly	Land owner's	Rented/ Others	No. of holdings	Total	Owned solely	Owned Jointly	Land owner's	Rented/ Others
Holding without land												
Holding with land												
Under 0.1 ha												
0.1 ha and Under 0.2 ha												
0.2 ha and Under 0.5 ha												
0.5 ha and Under 1 ha												
1 ha and Under 2 ha												
2 ha and Under 3 ha												
3 ha and Under 4 ha												
4 ha and Under 5 ha												
5 ha and Under 10 ha												
10 ha and over												
Total												

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Table 13. Number, area of holdings, number of agricultural implements and other facilities according to source by total area of holding (Continued)

Total area of holding	Number by source (On the day of enumeration)											
	Thresher						Pumping set/ Motor					
	No. of holdings	Total	Owned solely	Owned Jointly	Land owner's	Rented/ Others	No. of holdings	Total	Owned solely	Owned Jointly	Land owner's	Rented/ Others
Holding without land												
Holding with land												
Under 0.1 ha												
0.1 ha and Under 0.2 ha												
0.2 ha and Under 0.5 ha												
0.5 ha and Under 1 ha												
1 ha and Under 2 ha												
2 ha and Under 3 ha												
3 ha and Under 4 ha												
4 ha and Under 5 ha												
5 ha and Under 10 ha												
10 ha and over												
Total												

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Table 13. Number, area of holdings, number of agricultural implements and other facilities according to source by total area of holding (Continued)

Total area of holding	Number by source (On the day of enumeration)											
	Animal drawn cart						Sprayer					
	No. of holdings	Total	Owned solely	Owned Jointly	Land owner's	Rented/ Others	No. of holdings	Total	Owned solely	Owned Jointly	Land owner's	Rented/ Others
Holding without land												
Holding with land							341	355	299	57		
Under 0.1 ha												
0.1 ha and Under 0.2 ha							28	28	28			
0.2 ha and Under 0.5 ha							156	171	156	14		
0.5 ha and Under 1 ha							114	114	85	28		
1 ha and Under 2 ha							28	28	28			
2 ha and Under 3 ha							14	14		14		
3 ha and Under 4 ha												
4 ha and Under 5 ha												
5 ha and Under 10 ha												
10 ha and over												
Total							341	355	299	57		

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Table 13. Number, area of holdings, number of agricultural implements and other facilities according to source by total area of holding (Continued)

Total area of holding	Number by source (On the day of enumeration)					
	Other equipment					
	No. of holdings	Total	Owned solely	Owned Jointly	Land owner's	Rented/ Others
Holding without land						
Holding with land						
Under 0.1 ha						
0.1 ha and Under 0.2 ha						
0.2 ha and Under 0.5 ha						
0.5 ha and Under 1 ha						
1 ha and Under 2 ha						
2 ha and Under 3 ha						
3 ha and Under 4 ha						
4 ha and Under 5 ha						
5 ha and Under 10 ha						
10 ha and over						
Total						

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Table 14. Number of holdings, use of non-residential buildings according to source by total area of holding

Total area of holding	For keeping livestock					For keeping poultry				
	No. of holdings reporting the use	Number by source				No. of holdings reporting the use	Number by source			
		Total	Owned	Rented	Others		Total	Owned	Rented	Others
Holding without land										
Holding with land	3,256	3,413	3,356	14	43					
Under 0.1 ha	43	43	43							
0.1 ha and Under 0.2 ha	270	270	270							
0.2 ha and Under 0.5 ha	1,692	1,806	1,763	14	28					
0.5 ha and Under 1 ha	1,066	1,095	1,095							
1 ha and Under 2 ha	185	199	185		14					
2 ha and Under 3 ha										
3 ha and Under 4 ha										
4 ha and Under 5 ha										
5 ha and Under 10 ha										
10 ha and over										
Total	3,256	3,413	3,356	14	43					

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Table 14. Number of holdings, use of non-residential buildings according to source by total area of holding (Continued)

Total area of holding	For storing agricultural products					For miscellaneous purposes				
	No. of holdings reporting the use	Number by source				No. of holdings reporting the use	Number by source			
		Total	Owned	Rented	Others		Total	Owned	Rented	Others
Holding without land										
Holding with land	71	71	71			14	14	14		
Under 0.1 ha										
0.1 ha and Under 0.2 ha										
0.2 ha and Under 0.5 ha	28	28	28			14	14	14		
0.5 ha and Under 1 ha	28	28	28							
1 ha and Under 2 ha	14	14	14							
2 ha and Under 3 ha										
3 ha and Under 4 ha										
4 ha and Under 5 ha										
5 ha and Under 10 ha										
10 ha and over										
Total	71	71	71			14	14	14		

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Table 15. Number, area of holdings and number of holdings reporting forest trees by total area of holding

Total area of holding	Total		Forest Trees				
	No. of holdings	Area (ha)	No. of holdings reporting	Compact Plantation			Number of scattered trees
				No. of holdings	Area (ha)	No. of trees	
Holding without land	14	0.3					
Holding with land	17,760	7,010.6	754	128	13.0	14,404	10,863
Under 0.1 ha	1,550	108.6	28				71
0.1 ha and Under 0.2 ha	3,100	464.7	100	14	0.1	171	654
0.2 ha and Under 0.5 ha	8,674	2,887.7	284	43	4.7	3,882	2,915
0.5 ha and Under 1 ha	3,654	2,439.3	284	57	3.4	3,242	5,190
1 ha and Under 2 ha	739	985.4	43				2,033
2 ha and Under 3 ha	28	75.7	14	14	4.7	7,110	
3 ha and Under 4 ha	14	49.2					
4 ha and Under 5 ha							
5 ha and Under 10 ha							
10 ha and over							
Total	17,774	7,010.9	754	128	13.0	14,404	10,863

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Table 15. Number, area of holdings and number of holding reporting use of forest trees by total area of holding (continued)

Total area of holding	Total		No. of holding reporting use of forest trees				
	No. of holdings	Area (ha)	Total holding	For wood production	For herbal plants production	For soil and water conservation	Other
Holding without land	14	0.3					
Holding with land	17,760	7,010.6	754	640		14	100
Under 0.1 ha	1,550	108.6	28	28			
0.1 ha and Under 0.2 ha	3,100	464.7	100	71		14	14
0.2 ha and Under 0.5 ha	8,674	2,887.7	284	256			28
0.5 ha and Under 1 ha	3,654	2,439.3	284	242			43
1 ha and Under 2 ha	739	985.4	43	28			14
2 ha and Under 3 ha	28	75.7	14	14			
3 ha and Under 4 ha	14	49.2					
4 ha and Under 5 ha							
5 ha and Under 10 ha							
10 ha and over							
Total	17,774	7,010.9	754	640		14	100

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Table 16. Number, area of holdings and number of holdings reporting ancillary agriculture activity on holding by total area of holding

Total area of holding	Total		Number of holding reporting ancillary agriculture activity on holding			
	Number of Holdings	Area (ha)	Mushroom farming	Sericulture	Bee-keeping	Fishery
Holding without land	14	0.3				
Holding with land	17,760	7,010.6	14		825	
Under 0.1 ha	1,550	108.6			14	
0.1 ha and Under 0.2 ha	3,100	464.7			43	
0.2 ha and Under 0.5 ha	8,674	2,887.7	14		441	
0.5 ha and Under 1 ha	3,654	2,439.3			242	
1 ha and Under 2 ha	739	985.4			85	
2 ha and Under 3 ha	28	75.7				
3 ha and Under 4 ha	14	49.2				
4 ha and Under 5 ha						
5 ha and Under 10 ha						
10 ha and over						
Total	17,774	7,010.9	14		825	

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Table 16a. Number, area of holdings, number of holdings reporting fishery and number and area of fish pond by total area of holding

Total area of holding	Total		Fishery					
	Number of Holdings	Area (ha)	Number of holding reporting	Pond			Rice field	Other
				No of holdings	No. of pond	Area (ha)	No of holdings	No of holdings
Holding without land	14	0.3						
Holding with land	17,760	7,010.6						
Under 0.1 ha	1,550	108.6						
0.1 ha and Under 0.2 ha	3,100	464.7						
0.2 ha and Under 0.5 ha	8,674	2,887.7						
0.5 ha and Under 1 ha	3,654	2,439.3						
1 ha and Under 2 ha	739	985.4						
2 ha and Under 3 ha	28	75.7						
3 ha and Under 4 ha	14	49.2						
4 ha and Under 5 ha								
5 ha and Under 10 ha								
10 ha and over								
Total	17,774	7,010.9						

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Table 17. Number, area of holdings and number of holdings reporting agricultural credit by total area of holding

Total area of holding	Total		No. of holdings without agricultural credit	Number of holdings with credit by main source							
	No. of holdings	Area (ha)		Total	Cooperatives	ADB/N	Commercial Bank/financial institution	Farmer's group	Women's group	Relatives	Other
Holding without land	14	0.3		14	14						
Holding with land	17,760	7,010.6	11,617	6,143	1,834	128	1,010	71	256	583	2,261
Under 0.1 ha	1,550	108.6	1,038	512	43	14	199		43	43	171
0.1 ha and Under 0.2 ha	3,100	464.7	1,991	1,109	256	43	270	14	14	85	427
0.2 ha and Under 0.5 ha	8,674	2,887.7	6,128	2,545	768	28	370	43	128	228	981
0.5 ha and Under 1 ha	3,654	2,439.3	2,090	1,564	583		142	14	43	171	611
1 ha and Under 2 ha	739	985.4	341	398	185	28	28		28	57	71
2 ha and Under 3 ha	28	75.7	14	14		14					
3 ha and Under 4 ha	14	49.2	14								
4 ha and Under 5 ha											
5 ha and Under 10 ha											
10 ha and over											
Total	17,774	7,010.9	11,617	6,157	1,848	128	1,010	71	256	583	2,261

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Table 18. Number, area of holdings, number of holdings reporting need for agricultural loan and purpose of loan by total area of holding

Total Area of Holding	Total		No of holdings reporting need for agricultural loan	Main purpose of agricultural loan					
	Number of holdings	Area (ha)		Agricultural Inputs	Irrigation	Agricultural implements	Livestock/poultry farming	Fishery	Other
Holding without land	14	0.3	14				14		
Holding with land	17,760	7,010.6	10,792	711	1,749	441	6,655	43	1,194
Under 0.1 ha	1,550	108.6	867	28	28	43	640		128
0.1 ha and Under 0.2 ha	3,100	464.7	1,777	43	171	57	1,180	28	299
0.2 ha and Under 0.5 ha	8,674	2,887.7	5,176	327	768	213	3,299	14	555
0.5 ha and Under 1 ha	3,654	2,439.3	2,446	256	555	114	1,322		199
1 ha and Under 2 ha	739	985.4	483	57	199	14	199		14
2 ha and Under 3 ha	28	75.7	28		28				
3 ha and Under 4 ha	14	49.2	14				14		
4 ha and Under 5 ha									
5 ha and Under 10 ha									
10 ha and over									
Total	17,774	7,010.9	10,807	711	1,749	441	6,669	43	1,194

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Table 19. Number, area of holdings, number of holdings reporting main source of income and sufficiency of income by total area of holding

Total area of holding	Total		Farm population	Average household size	Main source of income in the household		Sufficiency of agriculture produce	
	Number of holdings	Area (ha)			Agriculture	Non-agriculture	Sufficient for household consumption	Insufficient for household consumption
Holding without land	14	0.3	43	3.0		14		14
Holding with land	17,760	7,010.6	103,018	5.8	16,807	953	3,071	14,688
Under 0.1 ha	1,550	108.6	6,996	4.5	1,351	199	28	1,521
0.1 ha and Under 0.2 ha	3,100	464.7	15,741	5.1	2,929	171	199	2,901
0.2 ha and Under 0.5 ha	8,674	2,887.7	49,796	5.7	8,204	469	1,209	7,465
0.5 ha and Under 1 ha	3,654	2,439.3	24,400	6.7	3,555	100	1,180	2,474
1 ha and Under 2 ha	739	985.4	5,659	7.7	739		441	299
2 ha and Under 3 ha	28	75.7	270	9.5	14	14	14	14
3 ha and Under 4 ha	14	49.2	156	11.0	14			14
4 ha and Under 5 ha								
5 ha and Under 10 ha								
10 ha and over								
Total	17,774	7,010.9	103,061	5.8	16,807	967	3,071	14,703

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Table 19a. Number of holdings reporting whether agricultural / livestock produce is sufficient, period of insufficiency and income sources for insufficiency by total area of holding

Total area of holding	Total number of holdings	Total number of holdings reporting insufficiency of own produce for household consumption	Period of insufficiency				Income sources for insufficiency						
			1 to 3 Months	4 to 6 Months	7 to 9 Months	10 to 12 Months	Own non-agricultural business	Wage earnings (within the district)	Wage earnings (outside the district)	Wage earnings (outside the country)	Pension	Borrowing	Other
Holding without land	14	14				14		14					
Holding with land	17,760	14,688	2,943	8,005	3,171	569	540	12,157	626	441	156	626	142
Under 0.1 ha	1,550	1,521	142	398	711	270	43	1,266	142	28	14	14	14
0.1 ha and Under 0.2 ha	3,100	2,901	213	1,322	1,237	128	100	2,431	171	57	71	43	28
0.2 ha and Under 0.5 ha	8,674	7,465	1,351	4,863	1,095	156	270	6,200	228	313	57	327	71
0.5 ha and Under 1 ha	3,654	2,474	1,024	1,351	85	14	114	2,019	85	43		185	28
1 ha and Under 2 ha	739	299	213	57	28		14	228				57	
2 ha and Under 3 ha	28	14			14						14		
3 ha and Under 4 ha	14	14		14				14					
4 ha and Under 5 ha													
5 ha and Under 10 ha													
10 ha and over													
Total	17,774	14,703	2,943	8,005	3,171	583	540	12,172	626	441	156	626	142

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Table 20. Number of holdings reporting one way travel time to the nearest agriculture market

Total area of holding	Total		No. of holdings reporting access to nearest agriculture market					
	Number of Holdings	Area (ha)	Nearby household	10 -30 minutes	30 minutes to 1 hour	1 - 2 hours	2 - 3 hours	3 hours and more
Holding without land	14	0.3					14	
Holding with land	17,760	7,010.6	825	2,062	2,090	5,688	2,005	5,090
Under 0.1 ha	1,550	108.6	43	156	256	555	355	185
0.1 ha and Under 0.2 ha	3,100	464.7	185	270	398	1,379	341	526
0.2 ha and Under 0.5 ha	8,674	2,887.7	427	1,180	1,095	2,801	839	2,332
0.5 ha and Under 1 ha	3,654	2,439.3	156	412	284	853	384	1,564
1 ha and Under 2 ha	739	985.4	14	28	43	100	85	469
2 ha and Under 3 ha	28	75.7		14	14			
3 ha and Under 4 ha	14	49.2						14
4 ha and Under 5 ha								
5 ha and Under 10 ha								
10 ha and over								
Total	17,774	7,010.9	825	2,062	2,090	5,688	2,019	5,090

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Table 20a. Number, area of holdings and number of holdings reporting mode of transport to reach the nearest agricultural market by total area of holding

Total area of holding	Total		No. of holdings reporting mode of transport					
	Number of Holdings	Area (ha)	On foot (without load)	Bicycle / rickshaw	Motorcycle / tempo	Car/bus	Mixed (foot+vehicle)	Nearby household
Holding without land	14	0.3	14					
Holding with land	17,760	7,010.6	16,295			299	341	825
Under 0.1 ha	1,550	108.6	1,479			28		43
0.1 ha and Under 0.2 ha	3,100	464.7	2,759			85	71	185
0.2 ha and Under 0.5 ha	8,674	2,887.7	7,906			142	199	427
0.5 ha and Under 1 ha	3,654	2,439.3	3,413			43	43	156
1 ha and Under 2 ha	739	985.4	711				14	14
2 ha and Under 3 ha	28	75.7	28					
3 ha and Under 4 ha	14	49.2					14	
4 ha and Under 5 ha								
5 ha and Under 10 ha								
10 ha and over								
Total	17,774	7,010.9	16,309			299	341	825

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Table 21. Number, area of holdings, number of holdings reporting holder as head of the household and classification of household by total area of holding

Total area of holding	Total		Household head		Classification of household		
	Number of holdings	Area (ha)	Holdings with holder as household head	Holdings with other person as household head	Single-holding household	Multi-holding household	Partnership household
Holding without land	14	0.3	14		14		
Holding with land	17,760	7,010.6	15,584	2,176	17,731	28	
Under 0.1 ha	1,550	108.6	1,422	128	1,550		
0.1 ha and Under 0.2 ha	3,100	464.7	2,872	228	3,100		
0.2 ha and Under 0.5 ha	8,674	2,887.7	7,508	1,166	8,659	14	
0.5 ha and Under 1 ha	3,654	2,439.3	3,157	498	3,654		
1 ha and Under 2 ha	739	985.4	583	156	739		
2 ha and Under 3 ha	28	75.7	28		28		
3 ha and Under 4 ha	14	49.2	14			14	
4 ha and Under 5 ha							
5 ha and Under 10 ha							
10 ha and over							
Total	17,774	7,010.9	15,598	2,176	17,746	28	

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Table 22. Number, area of holdings, number of holdings reporting, main purpose of production and main production of the holding by total area of holding

Total area of holding	Total		Main purpose of production		Main production of holdings							
	Number of holdings	Area (ha)	For household Consumption	For sale	Cereals	Vegetables	Horticulture	Other crops	Livestock	Poultry	Fishery	Other
Holding without land	14	0.3	14						14			
Holding with land	17,760	7,010.6	17,660	100	17,461	43	28	14	213			
Under 0.1 ha	1,550	108.6	1,550		1,507	28		14				
0.1 ha and Under 0.2 ha	3,100	464.7	3,100		3,057		14		28			
0.2 ha and Under 0.5 ha	8,674	2,887.7	8,645	28	8,574	14	14		71			
0.5 ha and Under 1 ha	3,654	2,439.3	3,626	28	3,583				71			
1 ha and Under 2 ha	739	985.4	697	43	697				43			
2 ha and Under 3 ha	28	75.7	28		28							
3 ha and Under 4 ha	14	49.2	14		14							
4 ha and Under 5 ha												
5 ha and Under 10 ha												
10 ha and over												
Total	17,774	7,010.9	17,674	100	17,461	43	28	14	228			

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Table 23. Number, area of holdings, number of holdings reporting other economic production activity by total area of holding

Total area of holding	Total		Other main economic production activity of holding											
	Number of holdings	Area (ha)	Mining and quarrying	Manufacturing	Electricity, gas and water	Construction	Wholesale and retail trade	Hotel and restaurants	Transport, communication and storage	Financial intermediation	Real state/professional services	Education	Health	Community social and personal services
Holding without land	14	0.3												
Holding with land	17,760	7,010.6	14	85		14	953	71				28	14	57
Under 0.1 ha	1,550	108.6		14			57							
0.1 ha and Under 0.2 ha	3,100	464.7		14			156	43						28
0.2 ha and Under 0.5 ha	8,674	2,887.7	14	43			540				14	14		28
0.5 ha and Under 1 ha	3,654	2,439.3		14			199	28			14			
1 ha and Under 2 ha	739	985.4				14								
2 ha and Under 3 ha	28	75.7												
3 ha and Under 4 ha	14	49.2												
4 ha and Under 5 ha														
5 ha and Under 10 ha														
10 ha and over														
Total	17,774	7,010.9	14	85		14	953	71			28	14	57	

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Table 24. Number, area of holdings, number of holdings reporting and area of land made uncultivable due to soil degradation by total area of holding

Total area of holding	Total		Types of soil degradation					
	Number of holdings	Area (ha)	Soil erosion		Chemical degradation		Physical degradation	
			No. of holdings reporting	Area (ha)	No. of holdings reporting	Area (ha)	No. of holdings reporting	Area (ha)
Holding without land	14	0.3						
Holding with land	17,760	7,010.6	2,076	108.1	14	0.2	256	14.4
Under 0.1 ha	1,550	108.6	128	1.8				
0.1 ha and Under 0.2 ha	3,100	464.7	270	6.0			28	0.2
0.2 ha and Under 0.5 ha	8,674	2,887.7	924	37.6	14	0.2	128	5.3
0.5 ha and Under 1 ha	3,654	2,439.3	640	53.7			85	8.6
1 ha and Under 2 ha	739	985.4	100	4.7			14	0.2
2 ha and Under 3 ha	28	75.7	14	4.3				
3 ha and Under 4 ha	14	49.2						
4 ha and Under 5 ha								
5 ha and Under 10 ha								
10 ha and over								
Total	17,774	7,010.9	2,076	108.1	14	0.2	256	14.4

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Table 25. Number of holdings by type of employment of agricultural workers and number of permanent agricultural workers by sex and by total area of holding

Total area of holding	Total no. of holdings	Permanent basis				Occasional basis				Exchange of labour basis			
		No. of holdings reporting	No. of agriculture workers			No. of holdings reporting	No. of agriculture workers (man days)			No. of holdings reporting	No. of agriculture workers (man days)		
			Total	Male	Female		Total	Male	Female		Total	Male	Female
Holding without land	14												
Holding with land	17,760	57	71	57	14	2,019	35,065	16,181	18,883	12,584	252,633	71,068	181,565
Under 0.1 ha	1,550					71	626	313	313	896	9,299	2,417	6,882
0.1 ha and Under 0.2 ha	3,100	14	14	14		299	2,645	1,280	1,365	2,190	29,547	8,162	21,386
0.2 ha and Under 0.5 ha	8,674	14	14	14		1,152	15,954	7,963	7,991	6,214	123,579	33,884	89,695
0.5 ha and Under 1 ha	3,654					370	6,001	3,128	2,872	2,702	72,376	22,082	50,293
1 ha and Under 2 ha	739	28	43	28	14	100	7,095	2,645	4,451	555	16,978	4,522	12,456
2 ha and Under 3 ha	28					28	2,744	853	1,891	28	853		853
3 ha and Under 4 ha	14												
4 ha and Under 5 ha													
5 ha and Under 10 ha													
10 ha and over													
Total	17,774	57	71	57	14	2,019	35,065	16,181	18,883	12,584	252,633	71,068	181,565

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Table 26. Number of holdings reporting by holder's age, sex and total area of holding

Total area of holding	Total no. of holdings	Number of holdings by holder's age and sex							
		All ages		Under 15 years		15 - 24 years		25 - 34 years	
		Male	Female	Male	Female	Male	Female	Male	Female
Holding without land	14		14				14		
Holding with land	17,760	14,617	3,142			825	199	3,228	697
Under 0.1 ha	1,550	1,237	313			85	28	327	57
0.1 ha and Under 0.2 ha	3,100	2,631	469			100	43	867	71
0.2 ha and Under 0.5 ha	8,674	7,024	1,649			498	100	1,550	384
0.5 ha and Under 1 ha	3,654	3,057	597			142	28	427	142
1 ha and Under 2 ha	739	626	114					57	43
2 ha and Under 3 ha	28	28							
3 ha and Under 4 ha	14	14							
4 ha and Under 5 ha									
5 ha and Under 10 ha									
10 ha and over									
Total	17,774	14,617	3,157			825	213	3,228	697

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Table 26. Number of holdings reporting by holder's age, sex and total area of holding (Continued)

Total area of holding	Number of holdings by holder's age and sex								
	35 - 44 years		45 - 54 years		55 - 64 years		65 years and over		
	Male	Female	Male	Female	Male	Female	Male	Female	
Holding without land									
Holding with land	3,981	1,095	3,285	626	2,545	412	754	114	
Under 0.1 ha	384	85	142	57	213	71	85	14	
0.1 ha and Under 0.2 ha	782	185	469	114	313	57	100		
0.2 ha and Under 0.5 ha	1,777	512	1,564	341	1,280	228	355	85	
0.5 ha and Under 1 ha	910	242	853	114	583	57	142	14	
1 ha and Under 2 ha	114	71	256		142		57		
2 ha and Under 3 ha					14		14		
3 ha and Under 4 ha	14								
4 ha and Under 5 ha									
5 ha and Under 10 ha									
10 ha and over									
Total	3,981	1,095	3,285	626	2,545	412	754	114	

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Table 27. Area of holdings reporting by holder's age, sex and total area of holding

Total area of holding	Total area of holdings (ha)	Area (ha) of holdings by holder's age and sex							
		All ages		Under 15 Years		15 - 24 Years		25 - 34 Years	
		Male	Female	Male	Female	Male	Female	Male	Female
Holding without land	0.3		0.3				0.3		
Holding with land	7,010.6	5,848.5	1,162.1			282.9	54.5	989.1	277.2
Under 0.1 ha	108.6	87.2	21.4			6.4	2.0	23.1	3.9
0.1 ha and Under 0.2 ha	464.7	394.2	70.6			14.6	6.3	125.8	9.4
0.2 ha and Under 0.5 ha	2,887.7	2,364.9	522.8			159.3	30.0	489.6	118.7
0.5 ha and Under 1 ha	2,439.3	2,049.7	389.6			102.6	16.2	282.1	87.0
1 ha and Under 2 ha	985.4	827.6	157.7					68.5	58.2
2 ha and Under 3 ha	75.7	75.7							
3 ha and Under 4 ha	49.2	49.2							
4 ha and Under 5 ha									
5 ha and Under 10 ha									
10 ha and over									
Total	7,010.9	5,848.5	1,162.4			282.9	54.7	989.1	277.2

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Table 27. Area of holdings reporting by holder's age, sex and total area of holding (Continued)

Total area of holding	Area (ha) of holdings by holder's age and sex								
	35 - 44 Years		45 - 54 Years		55 - 64 Years		65 Years and over		
	Male	Female	Male	Female	Male	Female	Male	Female	
Holding without land									
Holding with land	1,524.8	461.7	1,526.3	205.9	1,165.0	127.5	360.4	35.3	
Under 0.1 ha	27.2	5.7	10.8	4.5	13.6	4.3	6.0	1.1	
0.1 ha and Under 0.2 ha	119.7	31.0	68.1	15.4	50.7	8.5	15.2		
0.2 ha and Under 0.5 ha	590.5	160.6	530.2	112.4	462.5	76.4	132.7	24.8	
0.5 ha and Under 1 ha	587.7	164.9	571.4	73.6	408.2	38.4	97.7	9.4	
1 ha and Under 2 ha	150.4	99.5	345.8		191.9		71.0		
2 ha and Under 3 ha					38.0		37.7		
3 ha and Under 4 ha	49.2								
4 ha and Under 5 ha									
5 ha and Under 10 ha									
10 ha and over									
Total	1,524.8	461.7	1,526.3	205.9	1,165.0	127.5	360.4	35.3	

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Table 28. Farm population by age, sex and total area of holding

Total area of holding	Total number of holdings	Farm population							
		All Ages		Under 15 Years		15 - 24 Years		25 - 34 Years	
		Male	Female	Male	Female	Male	Female	Male	Female
Holding without land	14	14	28		14		14	14	
Holding with land	17,760	52,241	50,777	20,902	19,608	10,494	11,276	6,854	6,598
Under 0.1 ha	1,550	3,427	3,569	1,237	1,351	640	810	526	555
0.1 ha and Under 0.2 ha	3,100	7,693	8,048	3,270	3,356	1,237	1,763	1,266	1,081
0.2 ha and Under 0.5 ha	8,674	25,623	24,173	10,280	8,944	5,261	5,389	3,484	3,228
0.5 ha and Under 1 ha	3,654	12,243	12,157	4,820	4,977	2,702	2,673	1,237	1,379
1 ha and Under 2 ha	739	3,071	2,588	1,223	910	640	583	313	313
2 ha and Under 3 ha	28	114	156	28	28	14	57	14	28
3 ha and Under 4 ha	14	71	85	43	43			14	14
4 ha and Under 5 ha									
5 ha and Under 10 ha									
10 ha and over									
Total	17,774	52,256	50,805	20,902	19,622	10,494	11,290	6,868	6,598

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Table 28. Farm population by age, sex and total area of holding (Continued)

Total area of holding	Farm population								
	35 - 44 Years		45 - 54 Years		55 - 64 Years		65 Years and over		
	Male	Female	Male	Female	Male	Female	Male	Female	
Holding without land									
Holding with land	5,517	5,503	3,924	3,725	3,285	3,000	1,266	1,066	
Under 0.1 ha	469	327	156	270	270	228	128	28	
0.1 ha and Under 0.2 ha	853	882	540	526	398	355	128	85	
0.2 ha and Under 0.5 ha	2,574	2,474	1,877	1,962	1,621	1,564	526	611	
0.5 ha and Under 1 ha	1,322	1,479	1,038	697	768	711	355	242	
1 ha and Under 2 ha	256	313	313	256	213	142	114	71	
2 ha and Under 3 ha	28	14		14	14		14	14	
3 ha and Under 4 ha	14	14						14	
4 ha and Under 5 ha									
5 ha and Under 10 ha									
10 ha and over									
Total	5,517	5,503	3,924	3,725	3,285	3,000	1,266	1,066	

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Table 29. Educational level of holders

Total area of holding	Total		Level of education								
			Upto 5 class		6 - 10 class		SLC		Intermediate level / 10+2		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Holding without land		14									
Holding with land	14,617	3,142	2,062	156	2,631	85	995	57	341		
Under 0.1 ha	1,237	313	171	14	156		85		28		
0.1 ha and Under 0.2 ha	2,631	469	427	14	441	14	156		14		
0.2 ha and Under 0.5 ha	7,024	1,649	1,038	114	1,308	71	526	28	242		
0.5 ha and Under 1 ha	3,057	597	341	14	626		199	28	57		
1 ha and Under 2 ha	626	114	85		85		14				
2 ha and Under 3 ha	28				14		14				
3 ha and Under 4 ha	14										
4 ha and Under 5 ha											
5 ha and Under 10 ha											
10 ha and over											
Total	14,617	3,157	2,062	156	2,631	85	995	57	341		

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Table 29. Educational level of holder (Continued)

Total area of holding	Level of education									
	Bachelor's level		Master's level		Professional Degree		Literate (non-formal education)		Illiterate	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Holding without land								14		
Holding with land	185	14	43		14		2,531	697	5,816	2,133
Under 0.1 ha			14				71	57	711	242
0.1 ha and Under 0.2 ha			14		14		284	142	1,280	299
0.2 ha and Under 0.5 ha	100						1,308	341	2,503	1,095
0.5 ha and Under 1 ha	71	14	14				668	100	1,081	441
1 ha and Under 2 ha							199	57	242	57
2 ha and Under 3 ha										
3 ha and Under 4 ha	14									
4 ha and Under 5 ha										
5 ha and Under 10 ha										
10 ha and over										
Total	185	14	43		14		2,531	711	5,816	2,133

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Table 30. Educational level of farm population other than holder

Total area of hoding	Total		Level of education								
			Upto 5 class		6 - 10 class		SLC		Intermediate level / 10+2		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Holding without land	14							14			
Holding with land	31,041	41,662	12,698	12,598	9,043	6,370	2,517	1,337	1,806	725	
Under 0.1 ha	1,891	2,702	924	739	441	498	100	57	85	28	
0.1 ha and Under 0.2 ha	4,052	6,441	2,076	1,976	1,038	1,010	256	156	142	100	
0.2 ha and Under 0.5 ha	15,087	19,822	6,015	5,887	4,422	2,958	1,308	626	938	412	
0.5 ha and Under 1 ha	7,764	10,224	2,986	3,285	2,346	1,450	597	355	555	128	
1 ha and Under 2 ha	2,119	2,261	640	668	796	412	199	114	71	28	
2 ha and Under 3 ha	71	156	14	28		28	43	14	14	28	
3 ha and Under 4 ha	57	57	43	14		14	14	14			
4 ha and Under 5 ha											
5 ha and Under 10 ha											
10 ha and over											
Total	31,055	41,662	12,698	12,598	9,043	6,370	2,531	1,337	1,806	725	

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Table 30. Educational level of farm population other than holder (Continued)

Total area of holding	Level of education									
	Bachelor's level		Master's level		Professional Degree		Literate (non-formal education)		Illiterate	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Holding without land										
Holding with land	555	71	228	57	14		981	3,441	3,199	17,063
Under 0.1 ha	28		28					71	284	1,308
0.1 ha and Under 0.2 ha	43		28	14			114	455	355	2,730
0.2 ha and Under 0.5 ha	242	28	142	14	14		569	1,721	1,436	8,176
0.5 ha and Under 1 ha	171	28	14	28			242	938	853	4,010
1 ha and Under 2 ha	71		14				57	242	270	796
2 ha and Under 3 ha		14						14		28
3 ha and Under 4 ha										14
4 ha and Under 5 ha										
5 ha and Under 10 ha										
10 ha and over										
Total	555	71	228	57	14		981	3,441	3,199	17,063

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Table 31. Occupational distribution of holder

Total area of hoding	Total		Main occupation											
			Armed forces		Managers		Professionals		Technicians and associate		Clerical support workers		Service and sales workers	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Holding without land		14												
Holding with land	14,617	3,142	28		71	43	100	14	370	14	100	14	256	71
Under 0.1 ha	1,237	313	14			14					14			
0.1 ha and Under 0.2 ha	2,631	469			28				71				57	14
0.2 ha and Under 0.5 ha	7,024	1,649	14		43	28	14		242	14	43	14	156	28
0.5 ha and Under 1 ha	3,057	597					71	14	57		28		43	28
1 ha and Under 2 ha	626	114									14			
2 ha and Under 3 ha	28													
3 ha and Under 4 ha	14													
4 ha and Under 5 ha														
5 ha and Under 10 ha														
10 ha and over														
Total	14,617	3,157	28		71	43	100	14	370	14	100	14	256	71

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Table 31. Occupational distribution of holder (Continued)

Total area of holding	Main occupation													
	Skilled agriculture, forestry and fishery worker		Craft and related trade workers		Plants and machine operators and assemblers		Unskilled worker at elementary occupation		Household chores		Student		Not working	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Holding without land		14												
Holding with land	11,631	2,645	299				28		1,493	341	242			
Under 0.1 ha	810	228	14						355	71	14			
0.1 ha and Under 0.2 ha	1,948	412	57						441	43	28			
0.2 ha and Under 0.5 ha	5,645	1,365	156				28		540	199	142			
0.5 ha and Under 1 ha	2,602	526	71						128	28	57			
1 ha and Under 2 ha	583	114							28					
2 ha and Under 3 ha	28													
3 ha and Under 4 ha	14													
4 ha and Under 5 ha														
5 ha and Under 10 ha														
10 ha and over														
Total	11,631	2,659	299				28		1,493	341	242			

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Table 32. Occupational distribution of farm population other than holder

Total area of hoding	Total		Main occupation											
			Armed forces		Managers		Professionals		Technicians and associate		Clerical support workers		Service and sales workers	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Holding without land	14													
Holding with land	23,803	34,908	199	43	142	242	171	57	654	299	185	100	171	71
Under 0.1 ha	1,337	2,360				43	28	14	14	14	14			
0.1 ha and Under 0.2 ha	2,858	5,375	14		28	71	14		28	28	14	14	28	14
0.2 ha and Under 0.5 ha	11,546	16,480	100	28	28	85	85		341	142	142	71	100	43
0.5 ha and Under 1 ha	6,271	8,546	71	14	57	43	28	28	199	71	14	14	28	14
1 ha and Under 2 ha	1,721	1,976			28		14	14	43	14			14	
2 ha and Under 3 ha	57	128	14						28	28				
3 ha and Under 4 ha	14	43												
4 ha and Under 5 ha														
5 ha and Under 10 ha														
10 ha and over														
Total	23,817	34,908	199	43	142	242	171	57	654	299	185	100	171	71

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Table 32. Occupational distribution of farm population other than holder (Continued)

Total area of holding	Main occupation													
	Skilled agriculture, forestry and fishery worker		Craft and related trade workers		Plants and machine operators and assemblers		Unskilled worker at elementary occupation		Household chores		Student		Not working	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Holding without land												14		
Holding with land	5,418	14,162	370	71	14		43	14	1,223	7,849	14,959	11,660	256	341
Under 0.1 ha	341	896	43						156	697	711	683	28	14
0.1 ha and Under 0.2 ha	725	1,834		14	14		14		185	1,507	1,792	1,891		
0.2 ha and Under 0.5 ha	2,588	6,982	185	28			28	14	483	3,754	7,323	5,147	142	185
0.5 ha and Under 1 ha	1,479	3,555	71	14					270	1,578	3,996	3,086	57	128
1 ha and Under 2 ha	284	867	71	14					128	270	1,109	782	28	14
2 ha and Under 3 ha		28								14	14	57		
3 ha and Under 4 ha										28	14	14		
4 ha and Under 5 ha														
5 ha and Under 10 ha														
10 ha and over														
Total	5,418	14,162	370	71	14		43	14	1,223	7,849	14,973	11,660	256	341

TECHNICAL NOTES

1. METHODOLOGY

Scope and coverage

The Agricultural Census covers the whole of Nepal, including all the urban areas. Only agricultural holdings operated by households are included. Agricultural activities undertaken by government organizations, businesses, etc. are excluded.

The main statistical unit in the Agricultural Census is the agricultural holding (see definition below).

Sampling frames

There are two types of sampling frames used in the sampling design:

1. The frame for selection of enumeration areas (EAs), and,
2. The frame for selection of holdings.

The sampling frame was prepared from the list of enumeration areas (EAs) from the 2011 Population Census. The frame contained a listing of wards and blocks, along with the number of houses, households and agricultural households (holdings).

In order to prepare a frame for the agricultural holdings, a stratified list of agricultural households was carried out in each selected EA from the agriculture census listing.

Sample design and selection

The basic sampling methodology used was a two-stage area sampling, as follows:

- The first stage: selection of a stratified sample of enumeration areas (EAs) with probability proportional to the expected number of holdings (stratified PPS sampling);
- The second stage: within selected EAs, the selection of a sample agricultural holding using stratified systematic random sampling.

Enumeration areas were defined as wards or, in cases where wards contained less than 25 holdings, combinations of wards. In cases of very large wards, smaller segments were prepared for making sizable EAs. For such wards, the block maps prepared during the 2011 population census were used.

The number of EAs allocated for each district was determined on the basis of the total area under the nine major crops in the district (X_d). The average area of the nine major crops (for the last three years) published by the Ministry of Agriculture Development (MoAD) was the measure of size for the allocation. The number of EAs (n_d) selected from a district was based on the following “compromise power” allocation:

$$n_d \propto (X_d)^{0.4}$$

However, the districts having less than 50 EAs were assigned to 50 EAs for better estimation. Thus, districts varied from 50 to 107 EAs according to their agricultural importance.

Between 20 and 30 holdings were selected in each selected EA. To select the sample, holdings were divided into four strata (based on the size of the holding) and systematic random sampling was applied in each stratum. Holdings were identified on the basis of the place of residence of the person operating the holding.

The sample selection was done in such a way that all holdings in a given district had the same chance of selection in the sample. Manang District was completely enumerated because it had only a small number of holdings.

Altogether, 5,200 EAs were selected. The final sample of the holdings for the country was 1,24,144.

Census content

Census concepts, questionnaires and procedures were developed in accordance with FAO guidelines as set out in the document FAO Statistical Development Series 11 – A system of integrated agricultural censuses and surveys; Volume 1, World Programme for the Census of Agriculture 2010. The guidelines provide detailed recommendations to countries on topics to be covered, statistical concepts and definitions, classifications and output.

The primary reference period for the data collected in the census was the calendar year 2011. Land area and livestock were collected in respect of the day of enumeration.

2. DEFINITIONS OF TERMS USED

Holding: An agricultural holding is an economic unit of agricultural production under single management comprising all livestock and poultry kept, and all land used wholly or partly for agricultural production purposes.

Small agricultural operations were excluded from the census. A holding was considered to be an agricultural unit satisfying any one of the following conditions:

- having area under crops greater than or equal to a quarter of a ropani (or four anna) in the hill or mountain district (0.01272 hectares), or greater than or equal to eight dhur (0.01355 hectares) in the Terai; or
- keeping one or more head of cattle or buffaloes; or
- keeping five or more head of sheep or goats; or
- keeping 20 or more poultry.

A household with livestock but no land was not considered a holding if the household did not use the livestock for agricultural purposes (e.g. a livestock trader).

The holding includes all land operated, whether or not it is owned by the holding. The holding's land may consist of one or more parcels located in one or more separate areas within a district. The holding is generally the same as a household (see definition of household).

Public grazing land is excluded. Land owned jointly by more than one person for grazing or for other purposes is included.

Holdings are defined in terms of their land and livestock holdings on the day of the census enumeration.

The Nepali word for the term holding used in the census was "**chalan (which means being used)**" or "**chalan gareko jagga**".

Parcel: Land operated by a holding consists of one or more parcels. A parcel is a piece of land entirely surrounded by land operated by someone else or not operated at all. A parcel may consist of one or more adjacent fields. The Agricultural Census parcel may be different from the parcel used in cadastral work.

Holdings without land are holdings keeping livestock but having an area under crops of less than 0.01272 hectares in the hill or mountain districts, or 0.01355 hectares in the Terai (see definition of holding). Holdings without land are shown in the tables as having a small area of land.

Holder: The holder is the person in the holding who exercises the management control over the operations of the holding. There is only one holder in each holding. The holder may or may not be the same person as the household head.

Household: A household is a group of persons who live in the same dwelling and make common arrangements for the provision of food and other essentials of daily living. A household may comprise one or more persons and may include unrelated persons. More than one household may live in a single house.

Head of the household: The head of the household is the person in the household acknowledged as head by the other members. The head has primary authority and responsibility for household affairs. The head of the household may or may not be the same person as the holder.

Wet land refers to low land where water remains on the surface or on the upper soil layer, making the land suitable for main paddy cultivation.

Dry land refers to any land other than the wet land, i.e., land which is not suitable for main paddy.

Land tenure refers to arrangements or rights under which the holder operates the land of a holding. A holding may be operated under one or more tenure forms. For the purposes of the Agricultural Census, there are three forms of land tenure – land owned by the holding, land rented from others and other tenure forms.

Land owned is the land area operated by the holding for which the holder possesses title of ownership. Land owned also includes land which the holder can reasonably expect to eventually possess title of ownership (e.g. inherited land) and land which has been operated for many years by the same holder without any other claims being made on the land.

For the purposes of measuring land operated by holdings, land owned does not include land owned but rented to others.

Land rented from others is the land rented or leased by the holder from other persons. Land rented is divided into a number of categories according to the basis on which the land was rented:

- rented for a fixed amount of money;
- rented for a fixed quantity of the produce;
- rented for a fixed share of the produce;
- rented in exchange for services provided (e.g. labor);
- rented as part of a mortgage arrangement; and
- other rental arrangements (e.g. rented for no payment).

Other tenure forms refer to land operated under tenure conditions other than ownership or renting from others. This includes squatter land and land under dispute.

Land rented out refers to land owned by the holder but rented to other persons, usually for a limited time period.

Land use refers to the major classes of land use on the holding. For the purposes of the Agricultural Census, land operated by the holding is classified according to the land use categories given below:

- (a) Agricultural land
 - Crop land
 - Arable land
 - Land under permanent crops
 - Land under permanent pastures
 - Forest and other wooded land
- (b) Ponds
- (c) All other land

Arable land is further subdivided into land under temporary crops, land under temporary meadows and land under temporary fallow. Detailed descriptions of the various land use categories are given below.

Arable land refers to all land generally under cultivation and is divided into four categories:

- land under temporary crops,
- land under temporary meadows, and
- land left temporarily fallow.

A description of each of these categories is given below. Arable land excludes land under permanent crops.

Land under temporary crops refers to land used during the reference year for crops with an under-one-year growing cycle; i.e., crops, which must be newly sown or planted for further production after the harvest. Land under temporary crops shown in Table 3 refers to the use of the land, not to the area of temporary crops shown; land used for double cropping will be counted only once. By contrast, Tables 5 and 6 show the area of all crops sown – a double-cropped piece of land will be counted twice in these tables.

Land under temporary meadows refers to land, which has been cultivated with forage crops for mowing or pasture for less than five years.

Fallow land refers to land which the holder chose not to cultivate during the reference year, with the intention of cultivating it at a later date. Land which had been left idle for five years or more was included under another land use category (such as permanent meadows and pastures).

Land under permanent crops refers to land cultivated with long-term crops which do not have to be replanted for several years after each harvest.

Permanent meadows and pastures refer to land which have been used for five years or more for growing forage crops.

Woodland or forest refers to wood lots or timber tracts, natural or planted, constituting part of the holding which have or will have value as wood, timber, other forest products or for protection.

Ponds refer to land under permanent standing water. The ponds may be natural or man-made and may be used for fishing, watering livestock, irrigation or any other purpose.

Other lands refers to land which is not being cultivated and which would require some development before it could be brought into crop production and land occupied by buildings, roads, ornamental gardens and other open spaces on the holding.

Irrigation refers to purposively providing land with water, other than rain, for improving pastures or crop production. Natural flooding of land by rainfall or overflow of rivers is not considered as irrigation. Rainwater or uncontrolled flooding, which is collected and later used on the holding, is considered irrigation.

Land under irrigation is shown in the tables according to the source of irrigation water. The sources given are river/lake/pond (by gravity), river/lake/pond (by pumping), dam/reservoir, tube well/boring, other and mixed. "Others" includes taking the irrigation water from wells and springs. Mixed sources refer to a combination of the above sources (combination of two or more source).

Area under temporary crops refers to the area of temporary crops sown for harvest during the reference year 2011 (see under "Land under temporary crops" for definition of a temporary crop). Crops sown in 2010 for harvest during 2011 are included. Crops sown in 2011 for harvest in 2012 are excluded. Crops sown but not harvested (e.g. because of damage or weather conditions) are included.

The crop area data shown in Tables 5 and 6 refer to the area of all crops sown. This is greater than the land under temporary crops (as shown under land use in Table 3), because land may be used for cultivating crops in more than one season (double cropping).

Crops under pure stand: This refers to a single crop cultivated alone in a field (as opposed to a "mixed crop"). A pure stand crop may be either temporary or permanent. Crops cultivated on the same piece of land in two seasons (double cropping) are pure stand crops.

Mixed crops are two or more different temporary or permanent crops grown simultaneously in the same field or plot (as opposed to "pure stand" crops). Temporary and permanent crops cultivated together are called "associated crops".

Mixed crops include inter-planted crops and crops planted unsystematically as a mixture in a field. The area of mixed crops was estimated using whatever convenient method was appropriate. In some cases, the mixed cropland was divided according to estimates of the area under each crop. In other cases, this was not possible and an estimate based on seeding rates was made. In all cases, the total of the crop areas for the mixed cropland was the same as the area of the land itself.

Associated crops are temporary and permanent crops cultivated simultaneously in the same field. The area of each individual crop in associated crop land was determined using similar methods to that for mixed crops, and was done in such a way that the total of the individual associated crop areas was equal to the area of the associated crop land itself.

Compact plantation: A compact plantation of permanent crops refers to plants, trees and shrubs planted in a regular and systematic manner. Plants, trees or shrubs planted in sufficient density to permit measurement of the area planted, are also considered compact plantations. Permanent crops not forming a compact plantation are considered "scattered trees".

Permanent crops of non-productive age are permanent crops which are not bearing fruit or which are below the fruit bearing age.

Permanent crops of productive age are permanent crops which are already bearing fruit or are otherwise productive.

Scattered trees refer to plants or trees planted in a scattered or isolated manner throughout the holding. For scattered trees, it was only possible to collect data on the number of trees (not area of trees as for compact plantations).

Fertilizers refer to anything added to the soil to increase the amount of plant nutrients to promote crop growth. For census purposes, there are two types of fertilizers – local/organic and minerals/chemical.

Local/organic fertilizers are organic substances such as farmyard manures, compost, etc.

Minerals/chemical fertilizers are those fertilizers that are manufactured usually through an industrial process.

Pesticides/insecticides refer mainly to insecticides but also include fungicides, fumigants, herbicides, rodenticides and other materials.

Local/improved/hybrid seeds: This refers to whether or not the holding used high yield variety seeds on the holding during the reference year.

Livestock: Livestock data refer to numbers of animals kept by the holding on the day of enumeration. This includes livestock owned by the holding and livestock being leased in by the holding. The livestock counts include livestock present on the holding on the day of enumeration as well as livestock which are temporarily absent from the holding (e.g. being grazed off the holding). Livestock includes poultry.

Livestock data are shown in the tables for cattle, chaunri (including yaks), buffaloes, goats, sheep, pigs, horses, mules/asses, rabbits, other animals, chickens, ducks, pigeons, and other poultry.

Agricultural implements: Use of specified items of agricultural equipment refers to the use of the equipment for agricultural purpose on the holding during the reference year, regardless of whether the equipment was owned by the holding. Equipment not used for agricultural purposes is excluded. The number of items of the equipment used, as given in Table 12 and 13, refers to the number on the holding on the day of enumeration. Items used are shown according to ownership – either owned solely by the holding or owned by the landowner. The latter category includes any equipment not owned by the holding.

Non-residential buildings: This refers to the use of non-residential buildings on the holding for agricultural purposes during the reference year. Buildings are shown by different tenure and use. A building used for both residential and non-residential purposes is considered residential and therefore excluded.

Forest trees on holding refer to any trees present on the holding on the day of enumeration apart from fruit trees and any other trees categorized as permanent crops.

Agricultural credit refers to whether, on the day of enumeration, the holding owed money on any loan which had been received for agricultural purposes, regardless of when the loan had been taken out. The figures shown in the tables do not refer to the number of loans received during the reference year.

Permanent agricultural workers are workers employed permanently by the holding during the reference year. By permanent is meant that the person worked on the holding for six months or more during the reference year. In mountain areas, a permanent worker was anyone considered permanent by the holder.

Permanent workers exclude any members of the holder's household (even if the person is unrelated and being paid for work on the holding). The number of permanent workers was counted on the day of enumeration.

Occasional agricultural workers are workers employed by the holding who are not considered to be permanent. Occasional workers include only those who work for payment in cash or in goods on a daily basis. Work done in exchange for labor is not included.

An occasional worker who works around 8 hours a day is considered to be a man-day. The number of man-days workers was counted during the reference period.

Exchange of labour (Parma) workers includes only those who work without taking any kind of payments (cash or goods). In addition, holders exchange their family member as an agriculture worker within their community.

3. QUALITY CONTROL

The Agriculture Census 2011/12 was very much concerned about the quality control of data by initiating various mechanism to reduce the non-sampling error as far as possible. Sampling error was minimized through the modification of designs of the previous agriculture sample census. Training, supervision, completeness check, verification of data entry and consistency check were the quality control mechanisms for the data.

4. INTERPRETATION OF DATA

Census estimates given in the tables are subject to sampling errors, i.e., errors arising because the data are based on a sample of holdings and not all holdings. The size of the sampling errors can be estimated from the sample estimates. Sampling errors for some census estimates have been calculated and will be presented in a technical report on the census, which will be prepared later.

Estimates are shown in the tables to the last digit. No statistical collection (sample survey or otherwise) can give fully accurate data to that level of precision. Therefore, in interpreting the tables, the figures should be suitably rounded off.

5. DISSEMINATION OF CENSUS DATA

A number of other census publications will be issued. In addition to the report presenting tables at the national level and the report showing comparisons between districts, reports will also be issued for each district (75 reports), each ecological belt (3 reports) and each development region (5 reports). Other census data may be made available on request to the CBS.

A technical report on the census will also be issued. The report will contain a technical description of the census methodology, a presentation of the sampling errors and an assessment of the data quality.

The CBS plans to issue a number of analytical reports as well.

