

National Sample Census of Agriculture

Nepal

2011/12

Bhaktapur

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	167	1.2	1.7	3.0	195	1.2	139	28			
Holding with land	30,464	3,868.6	1,811.3	5,679.8	101,093	3.3	1,501	18,873	7,199	2,474	417
Under 0.1 ha	10,423	454.4	175.8	630.2	24,433	2.3	1,112	8,533	667	111	
0.1 ha and Under 0.2 ha	10,034	1,057.3	388.8	1,446.1	33,883	3.4	139	6,254	2,919	695	28
0.2 ha and Under 0.5 ha	8,506	1,742.4	808.4	2,550.7	34,773	4.1	222	3,725	2,974	1,362	222
0.5 ha and Under 1 ha	1,334	522.7	331.8	854.5	6,504	4.9	28	334	612	278	83
1 ha and Under 2 ha	167	91.7	106.6	198.3	1,501	9.0		28	28	28	83
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	30,631	3,869.8	1,813.0	5,682.8	101,288	3.3	1,640	18,901	7,199	2,474	417

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					
	Number	Area (ha)	Owned		Rented from others		Other tenure forms		No. of holdings	Area (ha)		
			No. of holdings	Area (ha)	No. of holdings	Area (ha)	No. of holdings	Area (ha)		Owned	Rented	Other tenure
Holding without land	167	3.0	167	3.0								
Holding with land	30,464	5,679.8	19,290	3,382.2	612	57.7			10,562	1,182.4	1,020.4	37.2
Under 0.1 ha	10,423	630.2	6,893	414.6	445	26.2			3,085	71.2	116.2	2.0
0.1 ha and under 0.2 ha	10,034	1,446.1	6,365	905.8	111	16.9			3,558	233.7	286.1	3.7
0.2 ha and under 0.5 ha	8,506	2,550.7	5,253	1,532.1	56	14.6			3,197	574.5	424.3	5.2
0.5 ha and under 1 ha	1,334	854.5	723	460.4					612	217.7	150.0	26.3
1 ha and under 2 ha	167	198.3	56	69.2					111	85.3	43.8	
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	30,631	5,682.8	19,457	3,385.1	612	57.7			10,562	1,182.4	1,020.4	37.2

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		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	167														
Holding with land	30,464	612	57.7	56	1.7	250	19.3	361	33.8					28	3.0
Under 0.1 ha	10,423	445	26.2	56	1.7	167	9.1	250	15.5						
0.1 ha and under 0.2 ha	10,034	111	16.9			56	6.0	56	7.9					28	3.0
0.2 ha and under 0.5 ha	8,506	56	14.6			28	4.2	56	10.4						
0.5 ha and under 1 ha	1,334														
1 ha and under 2 ha	167														
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	30,631	612	57.7	56	1.7	250	19.3	361	33.8					28	3.0

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	167														
Holding with land	30,464	10,006	1,020.4	2,752	307.7	2,835	236.4	4,364	450.1	167	9.7	56	2.0	278	14.5
Under 0.1 ha	10,423	2,863	116.2	639	29.3	1,001	33.5	1,056	45.9			56	2.0	167	5.5
0.1 ha and under 0.2 ha	10,034	3,419	286.1	1,251	114.0	862	62.4	1,223	96.9	139	8.6			56	4.3
0.2 ha and under 0.5 ha	8,506	3,085	424.3	639	85.8	834	118.9	1,751	213.7	28	1.2			56	4.7
0.5 ha and under 1 ha	1,334	528	150.0	195	46.7	111	15.7	278	87.6						
1 ha and under 2 ha	167	111	43.8	28	31.9	28	5.9	56	6.0						
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	30,631	10,006	1,020.4	2,752	307.7	2,835	236.4	4,364	450.1	167	9.7	56	2.0	278	14.5

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	167	3.0	56	0.5					56	0.5
Holding with land	30,464	5,679.8	30,464	5,181.0	222	16.0	750	22.7	30,464	5,219.7
Under 0.1 ha	10,423	630.2	10,423	527.4			83	1.4	10,423	528.8
0.1 ha and under 0.2 ha	10,034	1,446.1	10,034	1,311.2	56	2.8	306	8.0	10,034	1,322.0
0.2 ha and under 0.5 ha	8,506	2,550.7	8,506	2,357.7	139	10.3	278	9.9	8,506	2,377.9
0.5 ha and under 1 ha	1,334	854.5	1,334	799.0	28	2.8	56	1.9	1,334	803.8
1 ha and under 2 ha	167	198.3	167	185.8			28	1.4	167	187.2
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	30,631	5,682.8	30,520	5,181.5	222	16.0	750	22.7	30,520	5,220.2

NATIONAL SAMPLE CENSUS OF AGRICULTURE 2011/12

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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									167	2.5
Holding with land	389	25.0	83	3.4	361	27.6	56	1.8	29,936	402.4
Under 0.1 ha	28	0.4			56	0.6			10,173	100.5
0.1 ha and under 0.2 ha	83	2.0	28	0.4	83	2.4			9,868	119.4
0.2 ha and under 0.5 ha	167	9.1	28	0.4	167	17.6	56	1.8	8,450	144.0
0.5 ha and under 1 ha	83	12.8	28	2.7	28	1.4			1,279	33.8
1 ha and under 2 ha	28	0.7			28	5.7			167	4.8
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	389	25.0	83	3.4	361	27.6	56	1.8	30,103	404.8

NATIONAL SAMPLE CENSUS OF AGRICULTURE 2011/12

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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	167	3.0	28	0.2			28	0.2										
Holding with land	30,464	5,679.8	19,290	2,249.3	11,368	1,325.9	4,642	511.1	139	14.3	2,613	259.4	2,251	134.7	56	3.9		
Under 0.1 ha	10,423	630.2	5,476	242.2	2,780	117.1	1,334	59.8	28	1.8	695	35.0	973	28.3	28	0.4		
0.1 ha and under 0.2 ha	10,034	1,446.1	6,754	632.6	3,752	315.9	1,501	131.1	83	6.6	1,418	138.8	723	40.1				
0.2 ha and under 0.5 ha	8,506	2,550.7	5,948	1,009.0	3,919	611.3	1,612	255.2	28	5.9	500	85.6	500	47.5	28	3.5		
0.5 ha and under 1 ha	1,334	854.5	973	288.5	862	231.3	111	38.3					56	18.9				
1 ha and under 2 ha	167	198.3	139	76.9	56	50.4	83	26.5										
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	30,631	5,682.8	19,318	2,249.4	11,368	1,325.9	4,670	511.2	139	14.3	2,613	259.4	2,251	134.7	56	3.9		

NATIONAL SAMPLE CENSUS OF AGRICULTURE 2011/12

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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	167	3.0	28	0.2					28	0.2		
Holding with land	30,464	5,679.8	19,290	2,249.3	13,286	1,505.4	1,974	175.0	5,309	531.6	528	37.3
Under 0.1 ha	10,423	630.2	5,476	242.2	3,335	135.7	695	24.9	1,612	74.7	167	6.9
0.1 ha and under 0.2 ha	10,034	1,446.1	6,754	632.6	4,697	388.0	806	79.0	1,807	148.7	250	17.0
0.2 ha and under 0.5 ha	8,506	2,550.7	5,948	1,009.0	4,225	663.6	473	71.1	1,751	260.9	111	13.4
0.5 ha and under 1 ha	1,334	854.5	973	288.5	917	249.4			111	39.1		
1 ha and under 2 ha	167	198.3	139	76.9	111	68.7			28	8.2		
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	30,631	5,682.8	19,318	2,249.4	13,286	1,505.4	1,974	175.0	5,337	531.7	528	37.3

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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	56	1.1	56	1.1								
Holding with land	30,464	10,224.0	30,436	9,932.9	361	23.9	4,725	266.1	28	0.1	28	1.1
Under 0.1 ha	10,423	1,062.3	10,396	1,026.2	28	0.4	1,334	35.8				
0.1 ha and under 0.2 ha	10,034	2,678.9	10,034	2,564.7	56	1.9	1,835	112.2	28	0.1		
0.2 ha and under 0.5 ha	8,506	4,637.0	8,506	4,542.6	167	8.0	1,390	85.3			28	1.1
0.5 ha and under 1 ha	1,334	1,534.8	1,334	1,489.3	83	12.8	167	32.7				
1 ha and under 2 ha	167	310.9	167	310.2	28	0.7						
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	30,520	10,225.1	30,492	9,934.0	361	23.9	4,725	266.1	28	0.1	28	1.1

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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	28	0.3									28	0.2	56	0.6		
Holding with land	29,380	7,388.3	6,032	143.5	12,508	806.2	8,645	569.3	612	3.1	15,983	284.2	21,959	998.5	334	5.9
Under 0.1 ha	9,840	732.3	1,696	22.9	2,780	72.3	1,668	37.7	167	0.5	4,920	53.8	6,727	141.3	28	1.2
0.1 ha and Under 0.2 ha	9,673	1,782.7	2,446	62.2	4,392	207.5	2,641	100.1	195	1.3	5,531	118.1	7,505	402.0	167	3.0
0.2 ha and under 0.5 ha	8,394	3,475.6	1,696	54.1	4,253	319.4	3,586	311.3	195	0.7	4,697	92.9	6,365	372.2	139	1.8
0.5 ha and under 1 ha	1,334	1,161.7	195	4.3	973	188.8	695	98.5	28	0.2	778	11.0	1,195	57.5		
1 ha and under 2 ha	139	236.0			111	18.3	56	21.7	28	0.4	56	8.4	167	25.5		
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	29,408	7,388.5	6,032	143.5	12,508	806.2	8,645	569.3	612	3.1	16,010	284.4	22,014	999.1	334	5.9

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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									28	0.3								
Holding with land	167	8.4	26,906	3,319.5	222	19.8	22,070	2,362.2	17,984	1,371.1	2,168	206.7	1,862	90.5	250	8.3	56	1.8
Under 0.1 ha	28	1.5	8,172	366.9			6,282	251.9	4,392	96.2	250	9.1	334	5.5	28	0.6	28	0.6
0.1 ha and Under 0.2 ha	56	2.0	9,256	882.7	83	1.5	7,533	608.8	5,809	238.9	639	33.5	528	13.6	56	1.5		
0.2 ha and under 0.5 ha	83	5.0	8,033	1,523.7	111	8.3	7,088	1,134.1	6,449	671.8	973	89.9	750	39.3	83	2.4	28	1.2
0.5 ha and under 1 ha			1,306	463.5	28	10.0	1,028	315.3	1,195	278.6	278	69.0	167	21.6	83	3.7		
1 ha and under 2 ha			139	82.7			139	52.0	139	85.5	28	5.3	83	10.6				
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	167	8.4	26,906	3,319.5	222	19.8	22,070	2,362.2	18,012	1,371.3	2,168	206.7	1,862	90.5	250	8.3	56	1.8

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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	3,836	67.5	222	4.0	83	0.2			389	16.3	111	1.8	2,196	43.7					584	5.4	361	4.5
Under 0.1 ha	778	6.5	28	0.1	28	0.1			111	2.6			806	11.4					306	1.6	111	0.6
0.1 ha and Under 0.2 ha	1,696	31.2	139	2.5	28	0.1			83	4.7	83	0.9	862	19.1					83	0.3	139	3.5
0.2 ha and under 0.5 ha	1,223	27.0	56	1.5	28	0.1			195	9.0			528	13.2					139	2.9	111	0.4
0.5 ha and under 1 ha	139	2.8									28	0.9							56	0.6		
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	3,836	67.5	222	4.0	83	0.2			389	16.3	111	1.8	2,196	43.7					584	5.4	361	4.5

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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	12,258	793.5	222	5.8	389	6.9		
Under 0.1 ha	2,752	71.4	56	0.3	56	0.7		
0.1 ha and Under 0.2 ha	4,336	203.4	83	3.3	111	0.8		
0.2 ha and under 0.5 ha	4,086	313.0	83	2.3	167	4.1		
0.5 ha and under 1 ha	973	187.5			56	1.3		
1 ha and under 2 ha	111	18.3						
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	12,258	793.5	222	5.8	389	6.9		

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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	8,394	563.0	56	2.3			83	0.6	28	0.1	195	3.4
Under 0.1 ha	1,557	37.0									111	0.7
0.1 ha and Under 0.2 ha	2,613	100.0							28	0.1		
0.2 ha and under 0.5 ha	3,474	305.8	56	2.3			83	0.6			83	2.7
0.5 ha and under 1 ha	695	98.5										
1 ha and under 2 ha	56	21.7										
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	8,394	563.0	56	2.3			83	0.6	28	0.1	195	3.4

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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	28	0.0			167	1.3	445	1.8
Under 0.1 ha	28	0.0			28	0.2	111	0.3
0.1 ha and Under 0.2 ha					111	0.9	83	0.4
0.2 ha and under 0.5 ha					28	0.1	195	0.6
0.5 ha and under 1 ha							28	0.2
1 ha and under 2 ha							28	0.4
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	0.0			167	1.3	445	1.8

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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			28	0.1	28	0.1					28	0.1		
Holding with land	5,087	33.9	5,809	53.7	14,092	124.1	473	8.4	528	9.4	3,419	51.1	528	3.6
Under 0.1 ha	1,529	6.3	1,362	8.4	4,336	27.6	167	0.9	111	1.5	973	8.4	222	0.8
0.1 ha and Under 0.2 ha	1,723	15.3	2,474	25.1	4,725	47.4	56	0.4	139	1.5	1,668	26.1	167	2.4
0.2 ha and under 0.5 ha	1,584	11.6	1,723	17.6	4,225	44.3	195	2.4	139	1.6	723	15.1	111	0.4
0.5 ha and under 1 ha	250	0.8	250	2.6	778	4.7	28	0.1	111	2.5	28	0.3	28	0.1
1 ha and under 2 ha					28	0.1	28	4.7	28	2.3	28	1.2		
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	5,087	33.9	5,837	53.7	14,120	124.1	473	8.4	528	9.4	3,447	51.1	528	3.6

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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	28	0.1					56	0.6
Holding with land	8,506	175.0	2,196	55.5	1,306	48.0	20,930	720.0
Under 0.1 ha	2,502	28.9	389	5.3	195	3.6	6,365	103.5
0.1 ha and Under 0.2 ha	2,919	40.4	667	9.5	473	13.4	7,171	338.7
0.2 ha and under 0.5 ha	2,446	84.7	973	32.6	500	11.5	6,087	243.4
0.5 ha and under 1 ha	556	16.2	167	8.1	111	5.4	1,167	27.9
1 ha and under 2 ha	83	4.8			28	14.1	139	6.6
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	8,533	175.1	2,196	55.5	1,306	48.0	20,986	720.6

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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	167	3.0											
Holding with land	30,464	5,679.8	10,257	25.0	639	15.8	9,617	139	9.2	528	39,776	10,674	
under 0.1 ha	10,423	630.2	2,418	0.4	28	0.4	1,390				4,864	1,279	
0.1 ha and under 0.2 ha	10,034	1,446.1	3,169	2.0	250	1.3	695	28	0.7	111	10,618	4,809	
0.2 ha and under 0.5 ha	8,506	2,550.7	3,780	9.1	167	2.7	556	56	6.4	250	17,567	3,169	
0.5 ha and under 1 ha	1,334	854.5	834	12.8	195	11.4	6,977	28	1.4	28	6,643	1,362	
1 ha and under 2 ha	167	198.3	56	0.7				28	0.7	139	83	56	
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	30,631	5,682.8	10,257	25.0	639	15.8	9,617	139	9.2	528	39,776	10,674	

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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	3,613	1.8	111	1.8	1,529				10,507	2,418
under 0.1 ha	556	0.4	28	0.4	1,390				723	361
0.1 ha and under 0.2 ha	1,084	0.3	28	0.3	83				1,918	917
0.2 ha and under 0.5 ha	1,557	1.1	56	1.1	56				4,948	667
0.5 ha and under 1 ha	417								2,919	473
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	3,613	1.8	111	1.8	1,529				10,507	2,418

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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	83								83	
under 0.1 ha										
0.1 ha and under 0.2 ha	28								28	
0.2 ha and under 0.5 ha	56								56	
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	83								83	

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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	528	3.1	83	3.1	1,557			417	278	
under 0.1 ha	83							28	56	
0.1 ha and under 0.2 ha	167	0.1	28	0.1	56			167	139	
0.2 ha and under 0.5 ha	222							222	83	
0.5 ha and under 1 ha	56	3.0	56	3.0	1,501					
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	528	3.1	83	3.1	1,557			417	278	

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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	195							195	83	
under 0.1 ha										
0.1 ha and under 0.2 ha	83							56	56	
0.2 ha and under 0.5 ha	111							139	28	
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	195							195	83	

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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	167							195	28	
under 0.1 ha	28							28		
0.1 ha and under 0.2 ha	56							28	28	
0.2 ha and under 0.5 ha	56							56		
0.5 ha and under 1 ha	28							83		
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	167							195	28	

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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	3,363	7.5	111	7.5	3,947			5,337	1,223	
under 0.1 ha	723							1,001	83	
0.1 ha and under 0.2 ha	973	0.3	56	0.3	195			1,056	473	
0.2 ha and under 0.5 ha	1,390							2,835	584	
0.5 ha and under 1 ha	250	7.2	56	7.2	3,752			417	83	
1 ha and under 2 ha	28							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	3,363	7.5	111	7.5	3,947			5,337	1,223	

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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	612	0.2	28	0.2	111			556	500	
under 0.1 ha	83							139	28	
0.1 ha and under 0.2 ha	250							111	334	
0.2 ha and under 0.5 ha	195	0.2	28	0.2	111			278	83	
0.5 ha and under 1 ha	56							28	28	
1 ha and under 2 ha	28								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	612	0.2	28	0.2	111			556	500	

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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	389							1,501	334	
under 0.1 ha	83							111		
0.1 ha and under 0.2 ha	139							750	56	
0.2 ha and under 0.5 ha	83							167		
0.5 ha and under 1 ha	83							473	278	
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	389							1,501	334	

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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	4,920	0.2	56	0.2	139			8,144	1,195	
under 0.1 ha	1,167							1,418	250	
0.1 ha and under 0.2 ha	1,557	0.2	56	0.2	139			2,752	306	
0.2 ha and under 0.5 ha	1,835							3,197	445	
0.5 ha and under 1 ha	334							750	195	
1 ha and under 2 ha	28							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	4,920	0.2	56	0.2	139			8,144	1,195	

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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	28							28		
under 0.1 ha										
0.1 ha and under 0.2 ha										
0.2 ha and under 0.5 ha	28							28		
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	28							28		

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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	83							56	28	
under 0.1 ha										
0.1 ha and under 0.2 ha	28							28		
0.2 ha and under 0.5 ha	28							28		
0.5 ha and under 1 ha										
1 ha and under 2 ha	28									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	83							56	28	

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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										
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 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	1,557	1.9	83	1.9	1,723				2,140	1,946
under 0.1 ha	306								445	83
0.1 ha and under 0.2 ha	584	0.4	28	0.4	139				500	1,557
0.2 ha and under 0.5 ha	584	1.1	28	1.1	278				889	250
0.5 ha and under 1 ha	56	0.5	28	0.5	1,306				278	56
1 ha and under 2 ha	28								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	1,557	1.9	83	1.9	1,723				2,140	1,946

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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	1,668	0.2	28	0.2	56				2,168	473
under 0.1 ha	306								306	83
0.1 ha and under 0.2 ha	584								695	167
0.2 ha and under 0.5 ha	584								917	195
0.5 ha and under 1 ha	195	0.2	28	0.2	56				250	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	1,668	0.2	28	0.2	56				2,168	473

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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	222							195	111	
under 0.1 ha	111							56	111	
0.1 ha and under 0.2 ha	111							139		
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	222							195	111	

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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	834	0.1	56	0.1	83			834	83	
under 0.1 ha	222							195	28	
0.1 ha and under 0.2 ha	417	0.1	56	0.1	83			417	56	
0.2 ha and under 0.5 ha	167							195		
0.5 ha and under 1 ha	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	834	0.1	56	0.1	83			834	83	

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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	111							111		
under 0.1 ha										
0.1 ha and under 0.2 ha	28							28		
0.2 ha and under 0.5 ha	83							83		
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	111							111		

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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	2,363	0.8	83	0.8	473			5,114	1,084	
under 0.1 ha	306							417	56	
0.1 ha and under 0.2 ha	750							1,473	500	
0.2 ha and under 0.5 ha	1,028	0.4	56	0.4	111			1,862	473	
0.5 ha and under 1 ha	278	0.4	28	0.4	361			1,362	56	
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	2,363	0.8	83	0.8	473			5,114	1,084	

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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	111							139		
under 0.1 ha										
0.1 ha and under 0.2 ha	83							83		
0.2 ha and under 0.5 ha										
0.5 ha and under 1 ha	28							56		
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	111							139		

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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					139	9.2
Under 0.1 ha						
0.1 ha and under 0.2 ha					28	0.7
0.2 ha and under 0.5 ha					56	6.4
0.5 ha and under 1 ha					28	1.4
1 ha and under 2 ha					28	0.7
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					139	9.2

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	111			2,057		
Under 0.1 ha						
0.1 ha and under 0.2 ha	83			389		
0.2 ha and under 0.5 ha	28			1,668		
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	111			2,057		

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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)	Quantity (Qtl.)
				Local seeds	Improved seeds	Hybrid seeds		Local fertilizers	Mineral/chemical	Both	Local fertilizers	Mineral/chemical	Both		
Holding without land	167	3.0													
Holding with land	30,464	5,679.8	26,962	17,011	9,590	361	4,753	695	3,447	12,703	1,334	3,447	10,118	3,788.7	135,721
under 0.1 ha	10,423	630.2	8,200	5,698	2,418	83	1,223	139	1,418	2,974	528	1,195	2,641	411.0	39,955
0.1 ha and under 0.2 ha	10,034	1,446.1	9,256	6,310	2,919	28	1,835	278	1,056	4,531	556	1,251	3,363	981.8	46,382
0.2 ha and under 0.5 ha	8,506	2,550.7	8,061	4,281	3,586	195	1,334	250	806	4,392	250	889	3,447	1,762.9	41,830
0.5 ha and under 1 ha	1,334	854.5	1,306	639	612	56	334	28	167	695		111	556	535.6	6,832
1 ha and under 2 ha	167	198.3	139	83	56		28			111			111	97.5	723
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	30,631	5,682.8	26,962	17,011	9,590	361	4,753	695	3,447	12,703	1,334	3,447	10,118	3,788.7	135,721

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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	167	3.0	28	28										28	0.3	139
Holding with land	30,464	5,679.8	17,984	7,783	6,643	3,558	3,363	834	667	3,224	917	1,140	13,481	1,591.8	88,562	
under 0.1 ha	10,423	630.2	4,392	2,307	1,501	584	500	167	167	778	222	278	3,141	111.8	20,938	
0.1 ha and under 0.2 ha	10,034	1,446.1	5,809	2,752	2,168	889	1,112	306	167	1,084	361	528	3,919	280.8	27,746	
0.2 ha and under 0.5 ha	8,506	2,550.7	6,449	2,224	2,502	1,723	1,501	278	278	1,056	334	278	5,281	784.8	32,774	
0.5 ha and under 1 ha	1,334	854.5	1,195	389	445	361	250	83	56	250		28	1,028	335.7	6,345	
1 ha and under 2 ha	167	198.3	139	111	28					56		28	111	78.7	759	
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	30,631	5,682.8	18,012	7,811	6,643	3,558	3,363	834	667	3,224	917	1,140	13,509	1,592.1	88,701	

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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			No. of holdings using			
				Local seeds	Improved seeds	Hybrid seeds	No. of holdings using		Local fertilizers	Mineral/chemical	Both	Local fertilizers	Mineral/chemical	Both	Area (ha)
Holding without land	167	3.0													
Holding with land	30,464	5,679.8	22,070	14,509	7,560	2,891	639	1,946	9,590	1,418	2,668	9,284	2,721.1	108,616	
under 0.1 ha	10,423	630.2	6,282	4,503	1,779	862	167	750	2,085	612	917	2,112	272.8	28,977	
0.1 ha and under 0.2 ha	10,034	1,446.1	7,533	5,392	2,140	1,195	167	639	3,335	445	973	3,252	676.3	37,659	
0.2 ha and under 0.5 ha	8,506	2,550.7	7,088	3,919	3,169	639	250	473	3,613	334	667	3,252	1,312.3	35,939	
0.5 ha and under 1 ha	1,334	854.5	1,028	584	445	195	56	83	445	28	111	556	371.1	5,318	
1 ha and under 2 ha	167	198.3	139	111	28				111			111	88.7	723	
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	30,631	5,682.8	22,070	14,509	7,560	2,891	639	1,946	9,590	1,418	2,668	9,284	2,721.1	108,616	

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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		No. of holdings using	Local fertilizers	Mineral/chemical fertilizers	Both	Local fertilizers	Mineral/chemical fertilizers	Both	Area (ha)
Holding without land	167	3.0													
Holding with land	30,464	5,679.8	12,258	6,115	5,670	473	6,921	750	973	6,838	723	639	3,947	867.0	58,744
under 0.1 ha	10,423	630.2	2,752	1,418	1,195	139	1,251	139	389	1,223	250	139	778	83.8	12,784
0.1 ha and under 0.2 ha	10,034	1,446.1	4,336	2,307	1,890	139	2,363	278	250	2,502	222	195	1,501	213.7	20,588
0.2 ha and under 0.5 ha	8,506	2,550.7	4,086	1,862	2,029	195	2,529	278	195	2,418	195	278	1,362	351.5	19,714
0.5 ha and under 1 ha	1,334	854.5	973	417	556		750	56	83	639	56	28	222	200.6	5,057
1 ha and under 2 ha	167	198.3	111	111			28		56	56			83	17.4	602
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	30,631	5,682.8	12,258	6,115	5,670	473	6,921	750	973	6,838	723	639	3,947	867.0	58,744

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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	Both	Local fertilizers	Mineral/chemical	Both		
Holding without land	167	3.0													
Holding with land	30,464	5,679.8	28	28									28	0.4	140
under 0.1 ha	10,423	630.2	28	28									28	0.4	140
0.1 ha and under 0.2 ha	10,034	1,446.1													
0.2 ha and under 0.5 ha	8,506	2,550.7													
0.5 ha and under 1 ha	1,334	854.5													
1 ha and under 2 ha	167	198.3													
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	30,631	5,682.8	28	28									28	0.4	140

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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						
				Local seeds	Improved seeds	Hybrid seeds	No. of holdings using		Local fertilizers	Mineral/chemical fertilizers	Both	Local fertilizers	Mineral/chemical fertilizers	Both	Area (ha)
Holding without land	167	3.0	56	56			28			28			28	0.8	287
Holding with land	30,464	5,679.8	21,959	12,703	7,977	1,279	6,727	3,141	1,501	5,615	6,087	1,056	8,228	1,077.7	76,760
under 0.1 ha	10,423	630.2	6,727	3,919	2,418	389	2,085	639	528	1,696	1,529	334	2,641	166.5	25,201
0.1 ha and under 0.2 ha	10,034	1,446.1	7,505	4,392	2,780	334	2,335	1,112	528	2,168	1,946	334	2,752	443.8	26,684
0.2 ha and under 0.5 ha	8,506	2,550.7	6,365	3,419	2,446	500	2,001	1,084	361	1,473	2,001	334	2,502	373.3	21,424
0.5 ha and under 1 ha	1,334	854.5	1,195	834	334	28	222	250	56	222	556	56	278	55.5	3,029
1 ha and under 2 ha	167	198.3	167	139		28	83	56	28	56	56		56	38.5	421
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	30,631	5,682.8	22,014	12,758	7,977	1,279	6,754	3,141	1,501	5,643	6,087	1,056	8,255	1,078.5	77,046

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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	167	3.0	28	28			28								
Holding with land	30,464	5,679.8	22,598	21,236	1,362	889	9,895	250	1,334	11,619	250	4,642	535.5	31,012	
under 0.1 ha	10,423	630.2	6,727	6,560	167	306	2,807	56	139	3,558	56	1,084	43.2	6,785	
0.1 ha and under 0.2 ha	10,034	1,446.1	7,699	7,366	334	195	3,864	111	445	3,864	83	1,334	114.1	9,422	
0.2 ha and under 0.5 ha	8,506	2,550.7	6,866	6,143	723	334	2,696	83	612	3,586	83	1,862	290.1	12,484	
0.5 ha and under 1 ha	1,334	854.5	1,167	1,028	139	28	417		139	528	28	361	88.2	2,320	
1 ha and under 2 ha	167	198.3	139	139		28	111			83					
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	30,631	5,682.8	22,626	21,264	1,362	889	9,923	250	1,334	11,619	250	4,642	535.5	31,012	

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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	95	2,131	65	1,747					49	169		
Holding with land	12,526	44,689	7,302	10,164			1,928	2,756	7,959	29,275	282	988
Under 0.1 ha	2,576	8,983	1,142	1,447			283	327	1,709	6,436	141	387
0.1 ha and under 0.2 ha	4,042	13,665	2,240	2,806			488	653	2,515	9,218	141	601
0.2 ha and under 0.5 ha	4,798	17,138	3,145	4,570			951	1,409	3,003	10,428		
0.5 ha and under 1 ha	1,016	4,629	711	1,271			180	286	684	3,073		
1 ha and under 2 ha	95	273	65	71			26	82	49	121		
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	12,621	46,820	7,367	11,911			1,928	2,756	8,008	29,444	282	988

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Table 9. Number of holdings reporting different type of livestock 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	30	215								
Holding with land	211	1,506								
Under 0.1 ha	90	387								
0.1 ha and under 0.2 ha	90	387								
0.2 ha and under 0.5 ha	30	731								
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	241	1,721								

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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	65	1,747		1,747	194		194	106		106	88		88
Holding with land	7,302	10,164	7,270	2,894	2,012	1,465	547	653	529	124	1,359	935	424
under 0.1 ha	1,142	1,447	865	582	212	124	88	88	53	35	124	71	53
0.1 ha and under 0.2 ha	2,240	2,806	2,100	706	600	476	124	247	194	53	353	282	71
0.2 ha and under 0.5 ha	3,145	4,570	3,264	1,306	971	688	282	265	229	35	706	459	247
0.5 ha and under 1 ha	711	1,271	971	300	229	176	53	53	53		176	124	53
1 ha and under 2 ha	65	71	71										
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	7,367	11,911	7,270	4,641	2,206	1,465	741	759	529	229	1,447	935	512

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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	441		441	159		159	282		282
Holding with land	1,341	1,006	335	265	159	106	1,076	847	229
under 0.1 ha	265	159	106	53	18	35	212	141	71
0.1 ha and under 0.2 ha	300	265	35	35	18	18	265	247	18
0.2 ha and under 0.5 ha	618	459	159	124	88	35	494	371	124
0.5 ha and under 1 ha	159	124	35	53	35	18	106	88	18
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	1,782	1,006	776	424	159	265	1,359	847	512

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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	1,112		1,112			847		847	265		265	
Holding with land	6,811	4,800	2,012	265	229	35	4,747	3,194	1,553	1,800	1,376	424
Under 0.1 ha	971	582	388	71	71		706	353	353	194	159	35
0.1 ha and Under 0.2 ha	1,906	1,359	547	18	18		1,288	882	406	600	459	141
0.2 ha and Under 0.5 ha	2,982	2,118	865	124	88	35	2,082	1,447	635	776	582	194
0.5 ha and Under 1 ha	882	671	212	53	53		600	441	159	229	176	53
1 ha and Under 2 ha	71	71					71	71				
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	7,923	4,800	3,123	265	229	35	5,594	3,194	2,400	2,065	1,376	688

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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				
			Total	Male	Female	Total	Male	Female	Total	Male	Female		
	No. of holdings	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	Nak/Chauri	Nak/Chauri
No. of heads												No. of heads	
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 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	1,928	2,756	2,429	327	633	572	61	327	286	41	306	286	20
under 0.1 ha	283	327	225	102	61	41	20	20	20		41	20	20
0.1 ha and under 0.2 ha	488	653	633	20	225	225		102	102		122	122	
0.2 ha and under 0.5 ha	951	1,409	1,204	204	286	245	41	204	163	41	82	82	
0.5 ha and under 1 ha	180	286	286		61	61					61	61	
1 ha and under 2 ha	26	82	82										
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	1,928	2,756	2,429	327	633	572	61	327	286	41	306	286	20

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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	531	429	102	61	41	20	470	388	82
under 0.1 ha	61	41	20				61	41	20
0.1 ha and under 0.2 ha	61	61					61	61	
0.2 ha and under 0.5 ha	327	245	82	61	41	20	265	204	61
0.5 ha and under 1 ha	61	61					61	61	
1 ha and under 2 ha	20	20					20	20	
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	531	429	102	61	41	20	470	388	82

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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	1,592	1,429	163	61	61	898	796	102	633	572	61	
Under 0.1 ha	204	143	61			143	82	61	61	61		
0.1 ha and Under 0.2 ha	367	347	20	20	20	204	184	20	143	143		
0.2 ha and Under 0.5 ha	796	715	82	20	20	408	388	20	367	306	61	
0.5 ha and Under 1 ha	163	163				102	102		61	61		
1 ha and Under 2 ha	61	61		20	20	41	41					
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	1,592	1,429	163	61	61	898	796	102	633	572	61	

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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			Male			Female		
		Total	Local	Improved	Total	Local	Improved	Total	Local	Improved	Total	Local	Improved
Holding without land	49	169	97	73	121	73	48	48	24	24	73	48	24
Holding with land	7,959	29,275	26,517	2,758	10,210	9,049	1,161	4,234	3,726	508	5,976	5,323	653
Under 0.1 ha	1,709	6,436	5,153	1,282	2,298	1,694	605	1,161	823	339	1,137	871	266
0.1 ha and Under 0.2 ha	2,515	9,218	8,516	702	3,097	2,806	290	1,113	1,016	97	1,984	1,790	194
0.2 ha and Under 0.5 ha	3,003	10,428	9,653	774	3,726	3,460	266	1,621	1,548	73	2,105	1,911	194
0.5 ha and Under 1 ha	684	3,073	3,073		1,089	1,089		339	339		750	750	
1 ha and Under 2 ha	49	121	121										
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	8,008	29,444	26,613	2,831	10,331	9,121	1,210	4,282	3,750	532	6,048	5,371	677

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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	48	24	24				48	24	24
Holding with land	19,065	17,468	1,597	4,597	4,307	290	14,468	13,161	1,306
Under 0.1 ha	4,137	3,460	677	919	823	97	3,218	2,637	581
0.1 ha and Under 0.2 ha	6,121	5,710	411	1,669	1,524	145	4,452	4,186	266
0.2 ha and Under 0.5 ha	6,702	6,194	508	1,427	1,379	48	5,274	4,815	460
0.5 ha and Under 1 ha	1,984	1,984		484	484		1,500	1,500	
1 ha and Under 2 ha	121	121		97	97		24	24	
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	19,113	17,492	1,621	4,597	4,307	290	14,516	13,186	1,331

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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	282	988	988	215	215		172	172		43	43		
Under 0.1 ha	141	387	387	129	129		86	86		43	43		
0.1 ha and Under 0.2 ha	141	601	601	86	86		86	86					
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	282	988	988	215	215		172	172		43	43		

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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	773	773		301	301		473	473	
Under 0.1 ha	258	258		43	43		215	215	
0.1 ha and Under 0.2 ha	515	515		258	258		258	258	
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	773	773		301	301		473	473	

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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	30	215		215		215				
Holding with land	211	1,506	301	1,205	1,033	1,033	473	301	172	
Under 0.1 ha	90	387		387	258	258	129		129	
0.1 ha and Under 0.2 ha	90	387	301	86	43	43	344	301	43	
0.2 ha and Under 0.5 ha	30	731		731	731	731				
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	241	1,721	301	1,420	1,248	1,248	473	301	172	

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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	28	612	28	612	111	167	56	278					
Holding with land	7,032	284,212	6,476	34,522	9,367	5,198	12,230	7,727	750	249,690	235,736	3,419	10,535
Under 0.1 ha	2,557	54,952	2,390	14,148	4,447	1,974	5,226	2,502	278	40,804	39,109	195	1,501
0.1 ha and Under 0.2 ha	2,112	30,464	1,946	8,811	1,835	1,362	3,447	2,168	222	21,653	12,869	445	8,339
0.2 ha and Under 0.5 ha	1,974	138,117	1,835	9,256	2,251	1,668	2,835	2,502	167	128,861	125,387	2,780	695
0.5 ha and Under 1 ha	334	60,039	250	1,668	500	139	473	556	83	58,371	58,371		
1 ha and Under 2 ha	56	639	56	639	334	56	250						
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	7,060	284,824	6,504	35,134	9,478	5,365	12,286	8,005	750	249,690	235,736	3,419	10,535

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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	28	222				
Holding with land	306	1,112	111	639	28	695
Under 0.1 ha	111	195	56	111		
0.1 ha and Under 0.2 ha	56	195				
0.2 ha and Under 0.5 ha	83	556	28	417	28	695
0.5 ha and Under 1 ha	56	167	28	111		
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	334	1,334	111	639	28	695

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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	167	3.0		28						28		28	56
Holding with land	30,464	5,679.8	334	12,675	584	1,390	473		13,648	4,475		5,476	445
Under 0.1 ha	10,423	630.2	83	3,613	28	389			3,586	973		1,167	139
0.1 ha and Under 0.2 ha	10,034	1,446.1	83	4,753	445	778	222		4,420	1,640		2,085	167
0.2 ha and Under 0.5 ha	8,506	2,550.7	83	3,641	111	222	250		4,614	1,418		1,723	139
0.5 ha and Under 1 ha	1,334	854.5	83	612					889	389		500	
1 ha and Under 2 ha	167	198.3		56					139	56			
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	30,631	5,682.8	334	12,703	584	1,390	473		13,648	4,503		5,504	500

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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	167	3.0												
Holding with land	30,464	5,679.8	139	250	250			1,723	1,751	1,306	445			
Under 0.1 ha	10,423	630.2	56	56	56			306	306	195	111			
0.1 ha and Under 0.2 ha	10,034	1,446.1	28	28	28			889	917	612	306			
0.2 ha and Under 0.5 ha	8,506	2,550.7	56	167	167			417	417	389	28			
0.5 ha and Under 1 ha	1,334	854.5						83	83	83				
1 ha and Under 2 ha	167	198.3						28	28	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	30,631	5,682.8	139	250	250			1,723	1,751	1,306	445			

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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	528	528	417	111			1,001	1,167	973	195		
Under 0.1 ha							278	334	250	83		
0.1 ha and Under 0.2 ha	417	417	306	111			528	584	473	111		
0.2 ha and Under 0.5 ha	111	111	111				195	250	250			
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	528	528	417	111			1,001	1,167	973	195		

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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	250	250	195	56								
Under 0.1 ha												
0.1 ha and Under 0.2 ha	111	111	56	56								
0.2 ha and Under 0.5 ha	139	139	139									
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	250	250	195	56								

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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	3,391	3,447	2,696	584	167		1,473	1,473	1,112	222	139	
Under 0.1 ha	612	612	361	222	28		195	195	83	83	28	
0.1 ha and Under 0.2 ha	1,167	1,223	862	250	111		723	723	556	83	83	
0.2 ha and Under 0.5 ha	1,279	1,279	1,140	111	28		445	445	361	56	28	
0.5 ha and Under 1 ha	306	306	306				111	111	111			
1 ha and Under 2 ha	28	28	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	3,391	3,447	2,696	584	167		1,473	1,473	1,112	222	139	

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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							28	28	28			
Holding with land							3,752	4,336	3,558	306		473
Under 0.1 ha							695	750	612	56		83
0.1 ha and Under 0.2 ha							1,640	1,835	1,529	222		83
0.2 ha and Under 0.5 ha							1,056	1,306	1,001	28		278
0.5 ha and Under 1 ha							361	445	417			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							3,780	4,364	3,586	306		473

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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	28	28	28			
Holding with land	139	139	139			
Under 0.1 ha	56	56	56			
0.1 ha and Under 0.2 ha	28	28	28			
0.2 ha and Under 0.5 ha	56	56	56			
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	167	167	167			

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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	28	111		111						
Holding with land	1,501	1,529	1,501		28	139	167	139	28	
Under 0.1 ha	111	111	111							
0.1 ha and Under 0.2 ha	417	417	389		28	28	28		28	
0.2 ha and Under 0.5 ha	778	806	806			83	111	111		
0.5 ha and Under 1 ha	195	195	195			28	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	1,529	1,640	1,501	111	28	139	167	139	28	

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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	556	584	528	56		750	750	750		
Under 0.1 ha	83	83	83			167	167	167		
0.1 ha and Under 0.2 ha	167	167	167			111	111	111		
0.2 ha and Under 0.5 ha	167	167	139	28		417	417	417		
0.5 ha and Under 1 ha	139	167	139	28		28	28	28		
1 ha and Under 2 ha						28	28	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	556	584	528	56		750	750	750		

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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	167	3.0	28				28
Holding with land	30,464	5,679.8	8,783	361	27.6	49,365	148,791
Under 0.1 ha	10,423	630.2	1,835	56	0.6	3,252	10,785
0.1 ha and Under 0.2 ha	10,034	1,446.1	2,891	83	2.4	4,281	26,350
0.2 ha and Under 0.5 ha	8,506	2,550.7	3,280	167	17.6	26,295	77,467
0.5 ha and Under 1 ha	1,334	854.5	695	28	1.4	1,640	33,133
1 ha and Under 2 ha	167	198.3	83	28	5.7	13,898	1,056
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	30,631	5,682.8	8,811	361	27.6	49,365	148,819

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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	167	3.0	28	28			
Holding with land	30,464	5,679.8	8,783	7,310		584	889
Under 0.1 ha	10,423	630.2	1,835	1,501		167	167
0.1 ha and Under 0.2 ha	10,034	1,446.1	2,891	2,474		83	334
0.2 ha and Under 0.5 ha	8,506	2,550.7	3,280	2,780		222	278
0.5 ha and Under 1 ha	1,334	854.5	695	473		111	111
1 ha and Under 2 ha	167	198.3	83	83			
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	30,631	5,682.8	8,811	7,338		584	889

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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	167	3.0				
Holding with land	30,464	5,679.8	56		28	
Under 0.1 ha	10,423	630.2	28			
0.1 ha and Under 0.2 ha	10,034	1,446.1				
0.2 ha and Under 0.5 ha	8,506	2,550.7	28			
0.5 ha and Under 1 ha	1,334	854.5			28	
1 ha and Under 2 ha	167	198.3				
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	30,631	5,682.8	56		28	

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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	167	3.0						
Holding with land	30,464	5,679.8						
Under 0.1 ha	10,423	630.2						
0.1 ha and Under 0.2 ha	10,034	1,446.1						
0.2 ha and Under 0.5 ha	8,506	2,550.7						
0.5 ha and Under 1 ha	1,334	854.5						
1 ha and Under 2 ha	167	198.3						
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	30,631	5,682.8						

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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	167	3.0	139	28			28				
Holding with land	30,464	5,679.8	27,768	2,696	1,140	195	83	139	806	306	28
Under 0.1 ha	10,423	630.2	9,895	528	139	28		56	195	111	
0.1 ha and Under 0.2 ha	10,034	1,446.1	8,922	1,112	528	83		56	306	139	
0.2 ha and Under 0.5 ha	8,506	2,550.7	7,672	834	417	28	56	28	278		28
0.5 ha and Under 1 ha	1,334	854.5	1,140	195	28	56	28		28	56	
1 ha and Under 2 ha	167	198.3	139	28	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	30,631	5,682.8	27,907	2,724	1,140	195	111	139	806	306	28

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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	167	3.0							
Holding with land	30,464	5,679.8	5,337	1,946	695	139	1,974		584
Under 0.1 ha	10,423	630.2	1,306	389	195	111	473		139
0.1 ha and Under 0.2 ha	10,034	1,446.1	1,668	834	250		417		167
0.2 ha and Under 0.5 ha	8,506	2,550.7	1,862	612	222	28	834		167
0.5 ha and Under 1 ha	1,334	854.5	473	111	28		250		83
1 ha and Under 2 ha	167	198.3	28						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	30,631	5,682.8	5,337	1,946	695	139	1,974		584

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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	167	3.0	834	5.0	83	83	56	111
Holding with land	30,464	5,679.8	156,213	5.1	22,793	7,672	9,673	20,791
Under 0.1 ha	10,423	630.2	48,976	4.7	5,226	5,198	862	9,562
0.1 ha and Under 0.2 ha	10,034	1,446.1	50,005	5.0	8,116	1,918	2,863	7,171
0.2 ha and Under 0.5 ha	8,506	2,550.7	46,975	5.5	8,033	473	4,670	3,836
0.5 ha and Under 1 ha	1,334	854.5	8,895	6.7	1,251	83	1,112	222
1 ha and Under 2 ha	167	198.3	1,362	8.2	167		167	
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	30,631	5,682.8	157,046	5.1	22,876	7,755	9,729	20,902

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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	167	111		28		83	28	56			28		
Holding with land	30,464	20,791	2,224	9,061	7,255	2,251	3,363	14,092	1,751	445	445	389	306
Under 0.1 ha	10,423	9,562	417	2,641	4,336	2,168	1,862	6,643	584	139	83	111	139
0.1 ha and Under 0.2 ha	10,034	7,171	862	4,169	2,057	83	1,056	4,781	639	222	195	167	111
0.2 ha and Under 0.5 ha	8,506	3,836	889	2,112	834		445	2,502	528	83	167	83	28
0.5 ha and Under 1 ha	1,334	222	56	139	28			167				28	28
1 ha and Under 2 ha	167												
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	30,631	20,902	2,224	9,089	7,255	2,335	3,391	14,148	1,751	445	473	389	306

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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	167	3.0	56	83	28			
Holding with land	30,464	5,679.8	8,700	6,921	9,923	4,253	417	250
Under 0.1 ha	10,423	630.2	3,558	2,696	2,891	1,140	56	83
0.1 ha and Under 0.2 ha	10,034	1,446.1	2,668	2,696	3,391	1,140	83	56
0.2 ha and Under 0.5 ha	8,506	2,550.7	2,140	1,473	3,030	1,557	222	83
0.5 ha and Under 1 ha	1,334	854.5	250	56	556	389	56	28
1 ha and Under 2 ha	167	198.3	83		56	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	30,631	5,682.8	8,756	7,005	9,951	4,253	417	250

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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	167	3.0	56	28		28		56
Holding with land	30,464	5,679.8	7,783	222	1,251	7,338	5,170	8,700
Under 0.1 ha	10,423	630.2	3,224	83	389	1,835	1,334	3,558
0.1 ha and Under 0.2 ha	10,034	1,446.1	2,863	83	584	2,446	1,390	2,668
0.2 ha and Under 0.5 ha	8,506	2,550.7	1,557	56	222	2,585	1,946	2,140
0.5 ha and Under 1 ha	1,334	854.5	139		28	417	500	250
1 ha and Under 2 ha	167	198.3			28	56		83
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	30,631	5,682.8	7,838	250	1,251	7,366	5,170	8,756

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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	167	3.0	167		167		
Holding with land	30,464	5,679.8	26,906	3,558	29,908	417	139
Under 0.1 ha	10,423	630.2	9,423	1,001	10,368	28	28
0.1 ha and Under 0.2 ha	10,034	1,446.1	8,756	1,279	9,784	222	28
0.2 ha and Under 0.5 ha	8,506	2,550.7	7,449	1,056	8,283	139	83
0.5 ha and Under 1 ha	1,334	854.5	1,167	167	1,334		
1 ha and Under 2 ha	167	198.3	111	56	139	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	30,631	5,682.8	27,073	3,558	30,075	417	139

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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 Consumptio	For sale	Cereals	Vegetables	Horticulture	Other crops	Livestock	Poultry	Fishery	Other
Holding without land	167	3.0	83	83	28	28			83	28		
Holding with land	30,464	5,679.8	27,018	3,447	26,323	3,919		83	83	56		
Under 0.1 ha	10,423	630.2	9,506	917	8,895	1,390		56	56	28		
0.1 ha and Under 0.2 ha	10,034	1,446.1	8,506	1,529	8,422	1,584			28			
0.2 ha and Under 0.5 ha	8,506	2,550.7	7,644	862	7,672	778		28		28		
0.5 ha and Under 1 ha	1,334	854.5	1,223	111	1,195	139						
1 ha and Under 2 ha	167	198.3	139	28	139	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	30,631	5,682.8	27,101	3,530	26,350	3,947		83	167	83		

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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	167	3.0					28					28		
Holding with land	30,464	5,679.8	28	862		1,251	2,974	417	334	56	111	111		445
Under 0.1 ha	10,423	630.2	28	250		667	1,279	222	167		56	56		167
0.1 ha and Under 0.2 ha	10,034	1,446.1		250		417	889	139	111	28		28		195
0.2 ha and Under 0.5 ha	8,506	2,550.7		334		167	723	28	56	28	28	28		28
0.5 ha and Under 1 ha	1,334	854.5		28			56	28			28			56
1 ha and Under 2 ha	167	198.3					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	30,631	5,682.8	28	862		1,251	3,002	417	334	56	111	139		445

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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	167	3.0	28	2.8				
Holding with land	30,464	5,679.8	1,668	98.9	28	0.7	1,723	293.2
Under 0.1 ha	10,423	630.2	334	10.6	28	0.7	250	11.2
0.1 ha and Under 0.2 ha	10,034	1,446.1	806	41.7			389	53.6
0.2 ha and Under 0.5 ha	8,506	2,550.7	473	32.4			889	52.3
0.5 ha and Under 1 ha	1,334	854.5	28	7.1			167	169.0
1 ha and Under 2 ha	167	198.3	28	7.1			28	7.1
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	30,631	5,682.8	1,696	101.7	28	0.7	1,723	293.2

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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	167				56	2,224	917	1,306					
Holding with land	30,464	222	445	250	195	17,873	641,639	224,757	416,882	14,009	301,585	99,092	202,493
Under 0.1 ha	10,423	28	28	28		4,392	76,661	27,963	48,698	3,836	52,951	17,984	34,967
0.1 ha and Under 0.2 ha	10,034	56	111	56	56	6,004	220,365	68,878	151,487	4,725	91,559	30,297	61,262
0.2 ha and Under 0.5 ha	8,506	111	222	111	111	6,337	275,373	98,536	176,837	4,642	120,773	41,638	79,135
0.5 ha and Under 1 ha	1,334					1,001	60,345	24,516	35,829	778	36,023	9,173	26,851
1 ha and Under 2 ha	167	28	83	56	28	139	8,895	4,864	4,030	28	278		278
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	30,631	222	445	250	195	17,928	643,863	225,674	418,188	14,009	301,585	99,092	202,493

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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	167	139	28						
Holding with land	30,464	23,043	7,421			334	195	2,390	1,362
Under 0.1 ha	10,423	7,616	2,807			28	28	1,056	528
0.1 ha and Under 0.2 ha	10,034	7,533	2,502			139	56	806	584
0.2 ha and Under 0.5 ha	8,506	6,643	1,862			139	83	417	222
0.5 ha and Under 1 ha	1,334	1,084	250			28	28	111	28
1 ha and Under 2 ha	167	167							
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	30,631	23,182	7,449			334	195	2,390	1,362

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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	28	28	28		28			56	
Holding with land	6,171	1,862	6,504	1,974	4,225	1,473	3,419	556	
Under 0.1 ha	2,363	695	2,335	806	945	445	889	306	
0.1 ha and Under 0.2 ha	2,335	500	2,029	723	1,167	500	1,056	139	
0.2 ha and Under 0.5 ha	1,251	584	1,890	361	1,779	500	1,167	111	
0.5 ha and Under 1 ha	167	83	222	83	306	28	250		
1 ha and Under 2 ha	56		28		28		56		
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	6,198	1,890	6,532	1,974	4,253	1,473	3,474	556	

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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	3.0	2.4	0.6						
Holding with land	5,679.8	4,445.7	1,234.2			70.1	41.3	361.8	191.8
Under 0.1 ha	630.2	470.7	159.5			1.6	0.7	63.0	28.7
0.1 ha and Under 0.2 ha	1,446.1	1,087.3	358.8			18.8	7.8	116.0	80.8
0.2 ha and Under 0.5 ha	2,550.7	1,999.9	550.8			33.3	17.2	113.7	67.6
0.5 ha and Under 1 ha	854.5	689.4	165.1			16.3	15.6	69.1	14.8
1 ha and Under 2 ha	198.3	198.3							
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	5,682.8	4,448.0	1,234.8			70.1	41.3	361.8	191.8

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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	0.7	0.6	0.4		0.4		0.9	
Holding with land	1,000.5	349.5	1,179.0	335.3	1,037.5	244.2	796.7	72.2
Under 0.1 ha	136.0	41.4	149.6	45.5	62.9	25.5	57.5	17.7
0.1 ha and Under 0.2 ha	339.2	73.7	295.2	108.0	168.5	68.6	149.5	19.9
0.2 ha and Under 0.5 ha	368.4	181.3	558.0	115.7	569.0	134.5	357.5	34.5
0.5 ha and Under 1 ha	92.7	53.0	145.1	66.1	199.0	15.6	167.3	
1 ha and Under 2 ha	64.2		31.1		38.1		64.8	
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	1,001.2	350.0	1,179.4	335.3	1,038.0	244.2	797.6	72.2

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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	167	500	334	111		167	111	28	28
Holding with land	30,464	79,663	76,550	16,010	14,092	17,345	17,789	14,732	14,704
Under 0.1 ha	10,423	24,933	24,043	5,114	4,475	5,893	5,504	4,003	4,503
0.1 ha and Under 0.2 ha	10,034	25,378	24,627	5,059	4,586	5,198	5,643	4,864	4,948
0.2 ha and Under 0.5 ha	8,506	23,988	22,987	4,670	3,947	5,114	5,615	4,892	4,253
0.5 ha and Under 1 ha	1,334	4,642	4,253	1,056	889	945	917	862	889
1 ha and Under 2 ha	167	723	639	111	195	195	111	111	111
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	30,631	80,163	76,883	16,122	14,092	17,511	17,901	14,760	14,732

NATIONAL SAMPLE CENSUS OF AGRICULTURE 2011/12

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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	83	111	28	28	28	56	56	
Holding with land	11,813	10,145	8,811	9,478	5,754	5,587	5,198	4,753
Under 0.1 ha	4,114	3,669	2,974	3,030	1,473	1,418	1,362	1,445
0.1 ha and Under 0.2 ha	4,086	3,252	2,863	3,169	1,668	1,501	1,640	1,529
0.2 ha and Under 0.5 ha	2,919	2,668	2,474	2,752	2,224	2,279	1,696	1,473
0.5 ha and Under 1 ha	584	445	417	473	361	361	417	278
1 ha and Under 2 ha	111	111	83	56	28	28	83	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	11,897	10,257	8,839	9,506	5,782	5,643	5,253	4,753

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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	139	28			28	28					
Holding with land	23,043	7,421	2,001	639	7,283	806	3,113	222	1,140	56	
Under 0.1 ha	7,616	2,807	778	306	2,835	306	806	83	306		
0.1 ha and Under 0.2 ha	7,533	2,502	584	222	2,335	334	1,251	28	334	28	
0.2 ha and Under 0.5 ha	6,643	1,862	556	111	1,835	167	750	83	417	28	
0.5 ha and Under 1 ha	1,084	250	83		222		278	28	83		
1 ha and Under 2 ha	167				56		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	23,182	7,449	2,001	639	7,310	834	3,113	222	1,140	56	

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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			28				28		56	
Holding with land	445	28	139	28		28	5,337	2,446	3,586	3,169
Under 0.1 ha	83						1,723	778	1,084	1,334
0.1 ha and Under 0.2 ha	195		28	28			1,723	862	1,084	1,001
0.2 ha and Under 0.5 ha	83		111			28	1,723	695	1,167	750
0.5 ha and Under 1 ha	56	28					167	111	195	83
1 ha and Under 2 ha	28								56	
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	445	28	167	28		28	5,365	2,446	3,641	3,169

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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	361	306	83		111	56	28		28	28
Holding with land	53,034	66,738	10,840	10,868	17,400	16,900	7,283	6,059	7,588	5,809
Under 0.1 ha	16,372	20,291	3,613	3,391	5,865	5,448	2,307	2,112	1,862	1,557
0.1 ha and Under 0.2 ha	16,705	21,486	3,530	3,335	5,198	5,809	2,057	1,807	2,529	1,890
0.2 ha and Under 0.5 ha	16,205	20,430	3,141	3,363	5,059	4,475	2,474	1,668	2,585	2,085
0.5 ha and Under 1 ha	3,252	3,891	473	639	1,167	1,028	334	445	584	250
1 ha and Under 2 ha	500	639	83	139	111	139	111	28	28	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	53,396	67,044	10,924	10,868	17,511	16,955	7,310	6,059	7,616	5,837

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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	111			56				83		83
Holding with land	3,752	2,418	1,167	778	83	111	2,946	8,978	1,974	14,815
Under 0.1 ha	695	612	278	195			1,001	2,418	750	4,559
0.1 ha and Under 0.2 ha	1,418	723	445	306	28	83	973	3,113	528	4,420
0.2 ha and Under 0.5 ha	1,223	889	306	195	56	28	723	2,641	639	5,087
0.5 ha and Under 1 ha	334	167	111	28			195	667	56	667
1 ha and Under 2 ha	83	28	28	56			56	139		83
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	3,864	2,418	1,167	834	83	111	2,946	9,061	1,974	14,899

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Table 31. Occupational distribution of holder

Total area of holding	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	139	28					56							
Holding with land	23,043	7,421	250	56	56	56	167		528		528	56	500	56
Under 0.1 ha	7,616	2,807	195	28	56	28	28		139		195	28	334	28
0.1 ha and Under 0.2 ha	7,533	2,502	56			28	111		222		167		139	28
0.2 ha and Under 0.5 ha	6,643	1,862		28			28		111		139	28	28	
0.5 ha and Under 1 ha	1,084	250							56					
1 ha and Under 2 ha	167										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	23,182	7,449	250	56	56	56	222		528		528	56	500	56

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Table 31. Occupational distribution of holder (Continued)

Total area of holding	Main occupation													
	Skilled agriculture, forestry and fishery		Craft and related trade workers		Plants and machine operators and		Unskilled worker at elementary		Household chores		Student		Not working	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Holding without land	83	28												
Holding with land	17,734	5,698	1,140	28	723		278	83	473	1,362			667	28
Under 0.1 ha	5,170	2,279	612		361		111	28	195	361			222	28
0.1 ha and Under 0.2 ha	5,837	1,779	334	28	250		56		167	639			195	
0.2 ha and Under 0.5 ha	5,643	1,390	195		111		83	56	83	361			222	
0.5 ha and Under 1 ha	973	250							28				28	
1 ha and Under 2 ha	111						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	17,817	5,726	1,140	28	723		278	83	473	1,362			667	28

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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	306	306					56	28					28	28
Holding with land	48,059	62,096	1,696	195	167	195	806	778	1,251	473	1,251	695	1,223	417
Under 0.1 ha	14,621	18,901	250	28	56	83	111	139	306	139	250	167	445	167
0.1 ha and Under 0.2 ha	15,204	19,818	584	28	56	56	334	278	361	139	556	250	334	111
0.2 ha and Under 0.5 ha	14,704	19,179	639	111	56		334	361	445	139	278	250	389	83
0.5 ha and Under 1 ha	3,058	3,697	139	28		56	28		83	28	111	28	56	56
1 ha and Under 2 ha	473	500	83						56	28	56			
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	48,365	62,402	1,696	195	167	195	862	806	1,251	473	1,251	695	1,251	445

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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	28	83	28							56	167	111		
Holding with land	8,617	19,985	5,476	1,890	2,001	556	889	222	723	15,121	20,930	18,790	3,030	2,780
Under 0.1 ha	1,862	4,781	1,974	778	917	111	389	83	250	5,253	6,893	6,282	917	889
0.1 ha and Under 0.2 ha	2,919	6,977	1,501	389	445	222	250	28	195	4,225	6,838	6,310	834	806
0.2 ha and Under 0.5 ha	2,946	6,754	1,612	639	500	111	250	111	222	4,809	5,948	4,809	1,084	1,001
0.5 ha and Under 1 ha	862	1,390	278	83	139	111			56	612	1,112	1,223	195	83
1 ha and Under 2 ha	28	83	111							222	139	167		
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	8,645	20,069	5,504	1,890	2,001	556	889	222	723	15,177	21,097	18,901	3,030	2,780

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.

