

NSS REPORT NO. 587: SITUATION ASSESSMENT OF AGRICULTURAL HOUSEHOLDS AND LAND AND LIVESTOCK HOLDINGS OF HOUSEHOLDS IN RURAL INDIA, 2019 (JANUARY – DECEMBER 2019)

Relevant for: Economy | Topic: Issues relating to Planning & Economic Reforms

1. Background

1.1 National Statistical Office (NSO) in its 77th round of survey, conducted during the period 1st January 2019 to 31st December 2019, carried out a survey on “*Land and Livestock Holdings of Households and Situation Assessment of Agricultural Households*” in the rural areas of India with an integrated schedule of enquiry. Prior to 77th round, *Land and Livestock Holding Surveys (LHS)* and *Situation Assessment Survey (SAS) of Agricultural Households* used to be conducted as separate surveys in separate sets of households.

2. Objective of the Survey

2.1 The integrated survey on *Land and Livestock holdings of Households and Situation Assessment of Agricultural Households*, conducted in the rural areas of the country, had an objective of generating different indicators like:

3 Collection of information

3.1 The information was collected in two visits from the same set of sample households in rural areas with a view to collect relevant information separately for the two halves of the agricultural year *July 2018 – June 2019*. The first visit was made during January -August 2019 and the second was during September- December 2019.

4 Agricultural household

4.1 An agricultural household for NSS 77th Round survey was defined as a household receiving more than Rs. 4000/- as value of produce from agricultural activities (e.g., cultivation of field crops, horticultural crops, fodder crops, plantation, animal husbandry, poultry, fishery, piggery, bee-keeping, vermiculture, sericulture, etc.) and having at least one member self-employed in agriculture either in the principal status or in subsidiary status during last 365 days. Like in previous rounds, households which were entirely agricultural labour households and households receiving income entirely from coastal fishing, activity of rural artisans and agricultural services were not considered as agricultural households and they were kept outside the scope of the survey.

5 Sample size

FSU/Households/persons

Visit 1

Visit 2

FSU allotted

5950

FSU surveyed

5,940

5,894

households surveyed

58,035

56,894

Agricultural households surveyed

45,714

44,770

6 Important results

It may be noted that all the estimates relate to the rural areas of India.

6.1 Percentage distribution of agricultural households and non-agricultural households

Table 1: Percentage distribution of agricultural households and non-agricultural households by social group in rural areas of India for the agricultural year July 2018- June 2019

social group

agricultural households

non-agricultural households

rural households

ST

14.2

10.0

12.3

SC

15.9

28.4

21.6

OBC

45.8

42.8

44.4

others

24.1

18.8

21.7

All

100.0

100.0

100.0

6.2 Percentage distribution of agricultural households and non-agricultural households by size class of land possessed

Table 2: Percentage distribution of agricultural and non-agricultural households by size class of land possessed (ha.) for the agricultural year July 2018 – June 2019

size class of land possessed (ha.)

agricultural households

non-agricultural households

rural households

< 0.01

0.6

26.8

12.7

0.01 - 0.40

34.2

69.0

50.2

0.40 - 1.00

35.6

3.1

20.6

1.01 - 2.00

17.7

0.7

9.9

2.01 - 4.00

8.6

0.4

4.8

4.01 - 10.00

2.8

0.0

1.5

10.00 +

0.4

0.0

0.2

all sizes

100.0

100.0

100.0

6.3 Household Ownership Holdings of Land

Land, with permanent heritable possession, with or without right to transfer the title, was considered as owned land. The land held in owner-like possession under a long-term lease or assignment (e.g., village land possessed by a tribal household as per traditional tribal rights or community land customarily operated by a tenant for a long period) was also treated as land owned.

6.3.1 Size of ownership holdings

Table 3: Average size of household ownership holdings and percentage of landless households during 2019

average area (ha.) owned per household

0.512

percentage of landless households

8.2

average area (ha.) owned per household excluding landless households

0.558

Households with no land or with ownership holdings of area less than or equal to 0.002 ha. are considered as 'landless'

6.4 Household Operational Holdings

6.4.1 Household operational holding has been defined as land that was used wholly or partly for agricultural production and was operated (directed/managed) by one household member alone or with assistance of others, without regard to title, size or location. Within a household, multiple operational holdings were not distinguished. The land might be operated by members belonging to a single household or by members belonging to more than one household operating jointly. However, holdings operated as cooperative farms were not considered as household operational holding in this survey. A household growing vegetable in the kitchen garden or flowers in the courtyard or raising livestock & poultry or carrying out pisciculture was considered to operate a holding, even if no crop production was undertaken by it during the reference period.

Area of operational holding: Operational holding encompasses all land - owned, leased in or otherwise possessed with the condition that some agricultural activity was carried out on any part of the land under its possession during the reference period.

Area operated: Only the area used for agricultural activities in the operational holding in a reference period is termed as area operated.

6.4.2 Area of operational holdings

Table 4: Estimated number of operational holdings, averaged area of operational holding and

average area operated per operational holding

Indicator

Jul 18 – Dec 18

Jan 19 – Jun 19

Jul 18 – Jun 19

number of operational holdings (million)

103.454

85.913

101.982

average area per operational holding (ha.)

0.902

0.880

0.913

average area operated per holding (ha.)

0.815

0.682

0.833

6.5Crop Production

6.5.1 Twenty-Five selected crops were identified to present crop-wise estimates in the report. These are: Paddy, Jowar, Bajra, Maize, Ragi, Wheat, Barley, Gram, Arhar (Tur), Urad, Moong, Masur (Lentil), Sugarcane, Potato, Onion, Groundnut, Sesamum, Rapseed/Mustard, Coconut, Sunflower seed, Safflower, Soyabean, Nigerseed, Cotton, Jute. However, crop-wise estimates is presented in respect of those selected crops which were reported by at least 1 percent of the surveyed agricultural households at all India level separately for the two halves of the agricultural year.

6.5.2 Percentage of households producing crop

Table 5: Average gross cropped area, harvested quantity produced and value for agricultural households reporting production of selected crops

Crop

percentage of agricultural households reporting production of crops

percentage of crop producing agricultural households reporting sale of the crop

average per agricultural household reporting production of crops

gross cropped area (0.000 ha.)

harvested quantity produced (kg./no.)[#]

value of (Rs.)total production*

July 2018- December 2018

Paddy

53.2

52.6

0.617

2,035

36,139

Jowar

3.5

48.1

0.713

677

15,420

Bajra

8.3

48.6

0.769

672

12,692

Maize

11.3

47.1

0.467

815

13,671

Ragi

1.6

36.3

0.398

336

9,154

arhar(tur)

2.9

60.4

0.684

388

18,953

Urad

4.1

50.5

0.568

264

9,860

Moong

2.7

44.8

0.667

216

10,973

Sugarcane

3.5

95.9

0.608

37,474

1,01,625

Potato

1.4

48.5

0.111

1143

9,240

Groundnut

2.1

77.6

0.810

737

31,859

Coconut

2.0

61.2

0.185

1,227

15,109

Soyabean

6.0

94.4

1.175

1,202

37,584

Cotton

7.2

94.6

1.108

1,209

62,291

all crops

92.7

xxx

0.889

xxx

46,277

January 2019- June 2019

paddy

9.3

76.6

0.606

2,755

45,866

jowar

1.8

60.1

0.861

1,233

32,064

maize

3.5

82.0

0.458

2,014

34,419

wheat

41.2

50.8

0.630

1,948

37,657

gram

6.7

63.2

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584

23,891

arhar(tur)

1.7

51.9

0.418

311

15,203

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34,774

1,05,189

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5.3

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3,873

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rapeseed/mustard

7.5

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0.402

601

22,584

coconut

1.9

56.4

0.175

880

10,468

cotton

1.3

90.7

1.137

963

48,298

all crops

72.5

xxx

0.775

xxx

50,807

** Total value of production includes value of harvested crop, pre-harvest sale and value of by-*

products.

#for all crops except coconut, harvested quantity is reported in kg and for coconut harvested quantity is reported in numbers.

6.6 Average Monthly Income per Agricultural Household

6.6.1 The survey collected information on the receipts and expenditure relating to crop production, farming of animals and non-farm business, separately for the two halves of the agricultural year July 2018 - June 2019. Income from wage/salary employment and income from leasing out of land were also recorded for the same period. Based on this information, average monthly income per agricultural household has been worked out for the agricultural year July 2018 - June 2019 by adding up income from wages/salary, income from leasing out of land, net receipt from crop production, farming of animals and non-farm business. Net receipt is worked out by deducting total expenses from total receipts for each source of income.

Table 6: Average monthly income (Rs) from different sources per agricultural household during July 2018 - June 2019

approach

components of income

income from wages

income from leasing out of land

net receipt from crop production

net receipt from farming of animals

net receipt from non-farm business

Total

income

paid out expenses approach

4,063

134

3,798

1,582

641

10,218

both the paid out expenses and imputed expenses

4,063

134

3,058

441

641

8,337

6.7 Indebtedness of Agricultural Households

Information on the amount of outstanding loan as on date of survey (i.e., the day on which data was collected from the household) was collected from each of the surveyed agricultural households during the first visit.

Table 7: Percentage of indebted agricultural households and average amount (Rs.) of outstanding loans per agricultural household

indicator

value

percentage of indebted agricultural households

50.2%

average amount (Rs.) of outstanding loan per agricultural household

Rs. 74,121

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