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TWENTYSIXTH ROUND : JULY 1971 - SEPTEMBER 1972

जोत सम्बन्धी सारणिया
TABLES
ON
LAND HOLDINGS

राज्य : पंजाब STATE : PUNJAB

जिल्हा

भारत सरकार
योजना मंत्रालय सांख्यिकी व
राष्ट्रीय प्रतिदर्श सर्वेक्षण संगठन
द्वारा निगमित

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STATISTICAL DATA
DEPARTMENT OF STATISTICS, MINISTRY OF PLANNING
GOVERNMENT OF INDIA

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NATIONAL SAMPLE SURVEY

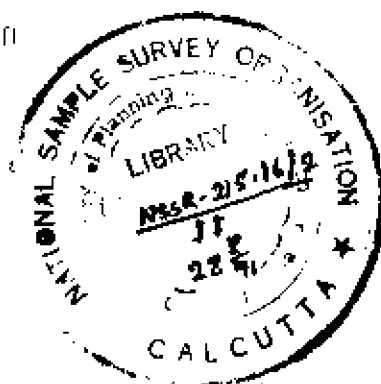
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TABLES ON LAND HOLDINGS AT REGION LEVEL

STATE : PUNJAB

VOLUME II



NATIONAL SAMPLE SURVEY ORGANISATION
DEPARTMENT OF STATISTICS, MINISTRY OF PLANNING
GOVERNMENT OF INDIA

JULY 1975

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NATIONAL SAMPLE SURVEY

TWENTY-NINTH REPORT JULY 1971 - 1972

SURVEY ON LAND HOLDINGS

Introduction

1. The Ministry of Agriculture and Irrigation, Government of India, has been conducting a series of surveys on land holdings in various States since 1955. The first survey was conducted in 1955-56 in the States of Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Madhya Bharat, Mysore, Orissa, Punjab, Rajasthan, Uttar Pradesh, West Bengal, and Jammu and Kashmir. The second survey was conducted in 1960-61 in the States of Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Madhya Bharat, Mysore, Orissa, Punjab, Rajasthan, Uttar Pradesh, West Bengal, and Jammu and Kashmir. The third survey was conducted in 1965-66 in the States of Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Madhya Bharat, Mysore, Orissa, Punjab, Rajasthan, Uttar Pradesh, West Bengal, and Jammu and Kashmir. The fourth survey was conducted in 1970-71 in the States of Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Madhya Bharat, Mysore, Orissa, Punjab, Rajasthan, Uttar Pradesh, West Bengal, and Jammu and Kashmir. The fifth survey was conducted in 1971-72 in the States of Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Madhya Bharat, Mysore, Orissa, Punjab, Rajasthan, Uttar Pradesh, West Bengal, and Jammu and Kashmir.

Period of the survey

2. In order to complete the requirements of both the Ministry of Agriculture and Irrigation, Government of India, and the Ministry of Statistics and Programme Administration, Government of India, the survey was conducted in the States of Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Madhya Bharat, Mysore, Orissa, Punjab, Rajasthan, Uttar Pradesh, West Bengal, and Jammu and Kashmir during the period 1971-72.

Method of survey

The survey was conducted in the States of Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Madhya Bharat, Mysore, Orissa, Punjab, Rajasthan, Uttar Pradesh, West Bengal, and Jammu and Kashmir during the period 1971-72. The survey was conducted in the States of Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Madhya Bharat, Mysore, Orissa, Punjab, Rajasthan, Uttar Pradesh, West Bengal, and Jammu and Kashmir during the period 1971-72.

Participating States

All the States of India, except Jammu and Kashmir, West Bengal, and Nagaland, participated in the survey. The Union Territory of Chandernagore also participated in the survey. The Union Territory of Pondicherry did not participate in the survey.

Schedules prescribed

5. As the survey on land holdings and the debt and investment survey had many items of information in common, the two surveys were integrated and a common set of schedules was designed for the joint enquiry. Separate schedules were prescribed for rural and urban areas and for each of the three visits to the sample households. In all six schedules were canvassed as per details given below :

Sl.No. of visit	Period of visit	Schedules canvassed	Board contents of schedules
(1)	(2)	(3)	(4)
1.	Jul 71 to Dec 71	Schedules 18.1 (R) 18.1 (U)	Land holdings and inventory of Assets and liabilities
2.	Jan 72 to Jun 72	Schedules 18.2 (R) 18.2 (U)	Production and sale of crops, receipts from non-farm business and transactions of assets and liabilities during Jul 71 to Dec 71.
3.	Jul 72 to Sep 72	Schedules 18.3 (R) 18.3 (U)	Production and sale of crops, receipts from non-farm business and liabilities during Jan 72 to Jun 72

6. As will be seen from the above, data on land holdings were collected through schedules 18.1(R) and 18.1(U) during the first visit from Jul 1971 to Dec 1971. Schedules 18.2(R & U) and 18.3 (R & U) were meant for obtaining information relating to debt and investment situation for specified periods during the two successive visits.

Sampling Design

7. The sampling design, for the rural and urban sectors each, was self-weighting at State level. In the case of rural sector, it was self-weighting at regional and sub-stratum levels also. The sampling design for the rural area was mainly a stratified two-stage one. The first stage units were villages which were selected circular systematically with equal probability in the form of two independent interpenetrating sub-samples. The sampling design for the urban area too was a stratified two-stage one with urban blocks as the first stage units. The sample blocks were also selected systematically with probability proportional to size in the form of two independent and interpenetrating samples. The second stage units in the case of rural and urban sectors each, were households.

8. For the purpose of stratification in the rural areas, the country was first divided into 66 agricultural regions by grouping, within each State or Union Territory, districts having similar population density and crop pattern. Strata were formed in each region by grouping tehsils, which were (1) contiguous (2) having similar crop pattern and population density and (3) having good transport facilities amongst them. In all, there were 350 strata; and within each stratum two independent sub-samples of 12 villages each were selected. In each sub-sample, the villages with odd orders of selection formed the central sample and the rest State sample. The 1961 census list of villages was used as sampling frame for selection of villages.

9. The central sample consisted of 4200 villages in all. The allocation of these villages of each State and Union Territory was based on joint consideration of its rural population, area under cereal crops and available investigator strength. This was modified to ensure a minimum of 180 villages in each State with the exception of some small States and Union Territories.

10. In the case of urban sector, the 4 cities of Bombay, Calcutta, Delhi and Madras formed stratum one by themselves. Further, within each State and Union Territory towns with population of less than 50,000 formed stratum one and the remaining towns and cities formed stratum two. A total of 4640 blocks in the Central sample was allocated to the States in proportion to their 1961 census urban population with a minimum of 144 blocks in each State excepting some small States and Union Territories. The selection of blocks in each stratum was done in the form of two independent sub-samples of equal size.

11. For selection of sample households, all the households in a sample village were first divided into four sub-strata on the basis of land operated. Households with no land formed sub-stratum one. The out-of-points among the remaining three sub-strata were made roughly by equalising area operated among them. These points varied generally from one region to another even within a State. Further, in

Sub-strata one of which of holds with no , for dr
 th s were arranged mean velihood
 into three asses, namely (i , ii artisan and
 (iii) thera. On , three war edted from
 sub-stratum in each sampl vill gi ng their more weight to
 house lls operating larger areas of land. W. in sub-stratum,
 sample households were selected lin ar systematically.

12. In th an sector, th househo sample
 wer vi ed into asses basis and and
 pent status as shown w :

- i) Class I : households owning land less than one acre and self-employed.
- ii) Class II : households owning one acre and more land and self-employed.
- iii) Class III : households owning 1 to 2 acres and more but not self-employed.
- iv) Class IV : household owning less than one acre of land and not self-employed plus household with no land.

Households were then in order of id
 classed and listed systematically was r canvas ng
 schedule 18,1(U). an average, ur ouseh selected m
 each sample block.

Item coverage

13. Th in coll ed
 18,1 and 18,1() o :

- i) demographic and activity particulars of the members of the household
- ii) land owned and leased and land under cultivation
- iii) inventories of livestock in their village
- iv) inventories of agricultural machinery and other equipments used in agriculture
- v) inventories of transport equipments in use
- vi) value of other assets in the village
- vii) detail of crop holdings, and
- viii) use of chemical fertilizers, manures and pesticides on land

Concepts and definitions

The concepts and definitions of the survey of land holdings are as follows:

- (i) **Household:** A group of persons normally living together and having food from a common kitchen constitutes a household.
- (ii) **Ownership of land:** The ownership right over a piece of land is defined as the right of permanent heritable possession with or without the right to transfer the title. Joint or tenancy like possession under a long term lease or assignment is also considered as land owned by the household. The total of land owned by all the members of the household is taken as land owned by the household.
- (iii) **Land leased in:** Land taken on lease from others without any permanent right of possession for the lessee is considered as land leased in. The aggregate of land leased in by all the members of the household gives the total of the land leased in by the household as a whole.
- (iv) **Land leased out:** Land given out on lease to others by owners of the land is defined as land leased out. The aggregate of the land leased out by all the members of the household constitutes the total of land leased out by the household as a whole.
- (v) **Land possessed:** Land owned by the household together with land leased in by it minus land leased out by it constitutes the land possessed by the household.
- (vi) **Agri. labourer:** A person is considered to be an agri. labourer if he follows one or more of the following principal occupations in the capacity of a labourer on hire or on exchange: (a) farming, (b) dairy farming, (c) production of any horticulture commodity, (d) rearing of livestock, bees or poultry, and (e) any work performed on a farm in connection with the farm operations.
- (vii) **Parcel:** A parcel is all land surrounded by land of other holdings or by land not forming part of any holding. It might consist of one or more celestial units, plots or fields.
- (viii) **Land holding:** Household operational holding is a land holding managed by a single household.

Operational holding is a land holding operated under a single management. In a majority of cases, a household operational holding will also be an operational holding operated under a single management of the household. But this may not always be the case. For instance, a household operational holding may consist of two operational holdings separately managed by two brothers or by a father and a son who are members of a single household. In such cases, there may have been a separation

of land holding but not in the household. On the other hand, a household may have a share in an operational holding jointly managed by two or more households, such as the separate households of two brothers or a father and his son who may have separate households but a joint operational holding. In such cases, the household operational holding will consist of only the share of the household in the joint operational holding plus any land holding which the household may have under its own direct management.

The definition as prescribed in the instructions to field staff is reproduced below:

A holding is all land which is used wholly or partly for agricultural production and is operated (directed/managed) by one person alone, or with the assistance of others, without regard to title, size or location. The holding may consist of one or more parcels of land provided they are located within India and form as a whole a part of the same technical unit. By technical unit will be understood, in the context of agricultural operations, a unit with more or less independent technical resources, etc. covering items like land, implements, livestock, etc. Thus, an operational holding will be considered (among other things) as one (a) operated by a 'person' and (b) constituting one technical unit. A 'person' in the definition, for the purpose of this survey, will be either a single household or more than one household operating jointly. Since the investigator has to get hold of the operational holdings through the sample households, it is important to identify the 'person' who operates and the 'technical unit' under such 'person'. The distinctiveness of the technical unit and existence of distinct management will be probed into for arriving at the number of operational holdings. Thus, more than one 'person' (signifying distinct management/direction/operation) who operate will not be considered to have the same technical unit, even if most of the technical resources used by them are the same. On the other hand under the same 'person' there could be more than one operational holding provided there are distinct technical units.

The following holdings will be excluded from the scope of the survey:

- (a) Land put to non-agricultural uses only such as house sites etc., and
- (b) Co-operative farms.

ix) ~~Individual and joint~~ ~~holdings~~ ~~operational~~ holding managed by ~~one~~ considered to be an individual holding, and that those managed by members belonging to different households is taken to be as joint operational holding.

Attached farm workers: Attached farm workers are those workers who are more or less in continuous employment of the management of the operational holding and are not under some sort of contract duration employment.

Reference period

15. Details of ownership holding, land leased out and land leased in, inventory of livestock, agricultural transport and other equipment and other assets and liabilities of the households were collected as on 30 June 1971. For particulars of operational holdings of the households, the reference period was the agricultural year 1970-71.

Results presented

16. In order to expedite the release of the principal results of every survey, the Governing Council for the National Sample Survey Organisation decided that such results may be obtained through manual tabulation. Accordingly, for the purpose of survey on land holdings, a programme for manual tabulation of data on the first seven items listed in paragraph 13 was drawn up both for the Central and State samples.

17. In all, 21 tables were prescribed. These covered items like size of holdings, household ownership of holdings (also landless households), household operational holdings, particulars of area leased in and area leased out, inventory of livestock, farm machinery, other equipment used in non-farm business, transport equipment, number of attached farm workers in the operational holdings during the major agricultural seasons of the holdings.

18. The tables presented here are based on the Central Sample and are for all the sub-samples combined. A set of 21 tables is prescribed for each of the following:-

- i) Urban and rural sectors combined,
- ii) urban sector only,
- iii) rural sector only,
- iv) rural sector separately for each region.

The results are provisional in nature and are subject to revision.

19. The brochure for each State has been brought out in two volumes. Volume-I gives a brief account of the sample design of the survey, concepts and definitions together with the code list and the 21 prescribed tables giving estimates at State level. In volume-II are given similar tables but with estimates at regional level.

20. The results presented here are in respect of Punjab. The state consists of two regions, viz., (1) Northern and (2) Southern. The names of the districts within each regional are as below:-

Sl. No.	Name of the region	Composition of the region (districts)
(1)	(2)	(3)
1.	Northern	Amritsar, Gurdaspur, Hoshiarpur, Jullundur, Kapurthala, Ludhiana and Ropar.
2.	Southern	Bhatinda, Ferozpur, Patiala and Sangrur.

Note on Estimates of Aggregates

The principal results of the 26th Round Survey on Land Holdings for the State are presented in this brochure in the form of ratio estimates (percentages, averages, etc.). The main focus of these tables is not on the aggregate estimates. Nevertheless, this section presents, in the enclosed table, estimates of three variables, viz. number of households area owned and area operated by household sector at the all-India level as well as the State level, and compares them with estimates available from other official sources.

2. Table I gives for each State/Union Territory the estimates of number of households, area owned and area operated as per NSS survey in columns 2, 5 and 6 respectively. Column 3 gives the number of households based on the 1971 census and column 4 the percentage of the NSS figure over that of the Census. Similarly, the estimate of area operated as obtained from the NSS has been compared in column 8 with the figure of 'net area sown' for 1970-71, supplied by State Agricultural Statistics Authorities (SASA). The all-India estimates given in the last row relate only to the 23 States/Union Territories listed in column 1; Nagaland and Chandigarh are excluded because the survey covered only the urban sector.

3. Column 4 of Table I clearly shows that at the all-India level the difference between the NSS estimates of the number of households and that of the 1971 Census is negligible (only 0.42%), the respective figures being 100.61 and 100.19 million. At the State level, however, the NSS estimates are higher than the 1971 Census figure in 10 out of the 23 States/Union Territories listed in the table and lower in the case of 13. The States showing plus differences are Maharashtra, Uttar Pradesh, Orissa, Karnataka, Delhi, Punjab, Tamil Nadu, Gujarat, Meghalaya and Andhra Pradesh. The maximum percentage difference on the plus side was 11.63 in respect of Maharashtra, minimum of 1.59 in respect of Andhra Pradesh and in five of them (viz. Gujarat, Meghalaya, Punjab, Tamil Nadu and Delhi) the percentage difference ranged between 2 to 5. Out of the 13 States/Union Territories where the NSS estimates were lower than the comparable figures from the Census, (excluding the Union Territories of Goa and Pondicherry, where the sample size was small), the maximum difference of 28.28% was observed in respect of Himachal Pradesh and the minimum difference of 3.78% in respect of Haryana. For Himachal Pradesh, the sample size (3% villages and 24 blocks) for the 26th Round may not, perhaps, have been adequate.

4. In understanding these differences, it is pertinent to note that the reference periods to which these two sets of figures relate are not exactly identical. The 1971 Census relates to 1st April 1971 while the NSS estimates relate to the 1st April 1971 while the NSS estimates relate to the moving reference period of a day during July 1971 to December 1971. Considering the fact that the reference period of the NSS was later than that of the Census, the NSS estimates of number of

households are expected to be slightly higher than the Census figure and this indeed found to be true at the all-India level. But larger plus differences and the minus differences must be mainly due to the sampling errors to which the NSS estimates are subject.

5. Column 7 of Table I gives the figures on 'net area sown' for 1970-71 as per nine-fold land-use classification. Column 8 shows that at the all-India level, the NSS estimates of area operated are lower than the 'net area sown' by about 7.2%. At the State level also, the NSS estimates are lower except in the case of Meghalaya, Jharkhand Pradesh and Maharashtra where the NSS estimates are higher. In Uttar Pradesh and Karnataka they are more or less the same. Of the remaining States/Union Territories differences of the order of 10 percent or more are noticed in the case of Assam, Haryana, Kerala, Meghalaya, Orissa, Punjab, Tamil Nadu, Tripura, West Bengal, Delhi, Goa and Pondicherry. The conspicuous cases are Kerala (-43%), Haryana (-33%), Punjab (-31%), Meghalaya (+26%), Orissa (-24%), West Bengal (-22%) and Tamil Nadu (-20%), if we leave out the small States/Union Territories. On the other hand, the NSS estimates in respect of Bihar and Madhya Pradesh, tally well with the figures of 'net area sown', the difference being only about 3 percent.

6. While analyzing the variations between the figures of 'area operated' of the NSS and 'net area sown' supplied by the States, one should bear in mind the following differences in the concepts and definitions adopted as well as in the agencies (and the procedures utilized) in arriving at the two sets of figures:

- (i) 'area sown' by the non-household sector like co-operative farms, government agricultural farms, land under temples, etc., is included in the figures of 'net area sown' but this is not covered in the NSS Round on operational holdings. This gives a small down-ward pull to the NSS estimates.
- (ii) Area under each of the land use classification (viz., forest, land put to non-agricultural uses, barren and unculturable land, permanent pastures and other grazing land, land under miscellaneous tree crops, culturable waste, fallow land other than current fallow and current fallow) is included in the NSS estimates of area operated whenever such area formed part of an operational holding which is used partly for agricultural production, whereas these are wholly excluded from the 'net area sown' figures. This gives considerable upward pull to the NSS estimates.

(iii) There is also difference in the agency adopted. In the case of all States except Kerala, Orissa and West Bengal, land estimation is done through the land revenue department. On the other hand, the NSS data on land holdings were collected through oral enquiries in the States of Andhra Pradesh, Karnataka and Madhya Pradesh but without any direct contact with the land revenue officials.

The 'net area sown' figures are based on a complete enumeration through land records but the 'operated area' is based on a sample survey of the 'net area sown' and the 'operated area' are subject to sampling errors.

7. Thus among the States included in the NSS survey, three States, Kerala, Orissa and West Bengal, are the States where the 'net area sown' figures are also sample estimates. The difference between the 'net area sown' figures of Punjab, Haryana and Madhya Pradesh is not very large. The 'operated area' figures in the NSS round (except Haryana where it is marginal) are against the 1971 Census. The differences between the 'operated area' estimates of the NSS round and the 'operated area' estimates of the 1971 Census are not in all States in the same direction. If the 'operated area' estimates of the NSS round are multiplied by the 1971 Census number of households given in column 4 of Table I, the 'operated area' estimates are not so far from the 'operated area' estimates. With the view of presenting overall picture in this regard and showing the trend in the increase of 'operated area' per household from 'net area sown' based on Census number of households as compared to the 'operated area' based on NSS Round, a separate Table II has been prepared to the following categories:-

- | | | | |
|-------|---------------|--|---|
| (i) | States having | increase in per cent | of 'net area sown' over 'operated area' in 1971 |
| (ii) | States having | decrease in per cent | of 'net area sown' over 'operated area' in 1971 |
| (iii) | States having | increase in per cent | of 'operated area' over 'net area sown' in 1971 |
| (iv) | States having | overestimation of number of households and | 'operated area' in 1971 |

It would be seen from columns 7 to 9 of Table II that the divergence from the 'net area sown' figures increases in the case of 3 States/Union Territories where the NSS estimates of number of households is on the high side. Of these Karnataka, Orissa, Uttar Pradesh, Gujarat and Delhi have shown more divergence than the other States. Of the States where the NSS estimates of number of households were less than the Census number of households, Himachal Pradesh shown maximum increase in divergence. At all-India level, the divergence has not reduced substantially as can be seen from columns 8 and 11 of Table I.

8. It is, however, true that in the case of about 11 States/Union Territories variation between the two estimates is reduced if we consider the estimates as given in column 10, Table I. Leaving aside small States/Union Territories, significant improvement is shown only in Maharashtra, Rajasthan, Jammu & Kashmir, Assam, West Bengal, Haryana and Kerala. Except for Maharashtra, these are also the States where the number of households the NSS was under estimated (Table II).

9. Thus, so far as the estimates of aggregate operated area in 1970-71 different States are concerned, the reader will have to choose between the following three: (a) NSS estimates as given in column 6 of Table I; (b) NSS estimates based on 1971 Census number of households, as given in column 10 of Table I; and (c) 'net area sown' given by State Agricultural Statistics Authorities and shown in column 7 of Table I. The National Sample Survey Organisation is trying to investigate into possible reasons for the large differences between these estimates in some States. In the meanwhile, the choice between the estimates must be left to the discretion of the reader.

10. In spite of such differences in the estimates of the aggregate operated area, it is hoped that the reader will find the NSS results presented in these volumes in the form of averages and percentages useful. Many of the results presented here are not available from any other source. Some of the results, such as the distribution of the Operational holdings by their size, will also become available from the Agricultural Census 1970-71. The results of the Agricultural Census are derived by a re-tabulation of the basic data from the land records. Before comparing them with the data from the NSS, the reader should first check them with the aggregate estimates of the 'net area sown'. Apart from the fact that the NSS estimates of aggregate operated area do not agree well with the estimates of 'net area sown' in some States, there is an important difference in the way the NSS results and the results of the Agricultural Census are built up. As mentioned above, the results of the Agricultural Census are derived by a re-tabulation of the basic data from the land records and cover both household and non-household sectors. The results of the NSS are derived by direct enquiries from a sample of households and hence cover only the household sector. The choice between the two sets of data must again be left to the reader.

TABLE I : STATE ESTIMATES OF NUMBER OF HOUSEHOLDS, AREA OWNED
 ESTIMATED BASED ON 26TH ROUND SIMILAR
 CIAL

State/ Union Territory	No. of households (00)		Percentage of N. S. estimate over base figure	Area (00 hectares)		
	State estimate as per N. S. S.	as per 1967-68		N. S. S. estimate of owned area	operated area	Nat area sown (from SASA)
1	2	3	4	5	6	7
Andhra Pradesh	90128	88714	101.59	110758	106798	117348
Assam	22977	25046	91.74	18992	20071	22352
Bihar	92077	979	9.	762	8273	8454
Gujarat	48111	46845	102.	83	88104	939 ⁰
Haryana	15364	15968	96.22	20734	23907	35650
Himachal Pradesh	4692	6542	7.72	5530	5852	5463
Jammu Kashmir	6954		9.	62	91	
Karnataka	55351	52	10.	96302	12	1024
Kerala	32937	331	92.	11754	12368	21717
Madhya Pradesh	72935	77403	94.23	174506	180752	184533
Maharashtra	1051	98	1.	188018	89265	176680
Madhya Pradesh	26		7	1107	1298	1400 ⁸
Meghalaya	2111	2063	102.	188.	1808	1430 ⁰
Orissa	45121	41876	107.75	41455	42672	561
Punjab	24407	23702	10.	25332	28056	40528
Rajasthan	39012		86	1381	139243	15
Tamil Nadu	88442	85	102.	492	49214	6
Tripura	2027	28	74.30	1587	1455	2400
Uttar Pradesh	171771	158969	108.05	163070	174406	173049
West Bengal	75120	807	93.27	4	43410	55420 ²
Delhi	8352	7	10.	8	532	805
Goa	95	1	5.	1	266	1336 [*]
Pondicherry	548	909	60.20	131	193	315
ALL INDIA	1006123	1001941	100.42	1259220	1300944	11180

Figures are provided on the basis of the 26th round of the Survey

Figure relates to the year 1967-68. * Figure relates to the year 1968.

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TABLE II : STATES SHOWING OVERESTIMATION OF NUMBER OF HOUSEHOLDS
 (FIGURE IN BRACKETED) AND INCREASE IN PERCENTAGE DEVIATION FROM NET AREA SOWN
 (I.S. ESTIMATE) : HOUSEHOLDS

(a) STATES SHOWING OVERESTIMATION OF NUMBER OF HOUSEHOLDS AND INCREASE IN PERCENTAGE DEVIATION FROM NET AREA SOWN

State	Extent of over-estimation of households (%)	Percentage deviation from net area sown of		Absolute increase in the percentage deviation from col. 1.
		N.S.S. operated	Operated	
1	2	3	4	5
Uttar Pradesh	5	+4.3	+11.30	5.52
Andhra Pradesh	1.59	+8.99	+11.79	1.80
Gujarat	2.70	+9.51	+11.95	2.44
Karnataka	5.56	+8.07	+5.34	5.27
Orissa	7.75	+8.02	+9.73	5.91
Punjab	2.7	+30.77	+ . 5	1.9
Tamil Nadu		+20.03	+2 .	1.
Delhi	4.70	+33.91	+40 .	6.

(b) STATES SHOWING OVERESTIMATION OF NUMBER OF HOUSEHOLDS AND DECREASE IN PERCENTAGE DEVIATION FROM NET AREA SOWN

State	Extent of over-estimation of households (%)	Percentage deviation from net area sown of		Absolute decrease in the percentage deviation in col. 8 from col. 8
		N.S.S. operated	Operated	
6	7	8	9	10
Naghalaya	2.	+26.43	2 .	2.37
Maharashtra	.63	+7.12	1 .	3.

Note : Figures in columns 5 & 10 represent the absolute increase/decrease worked out as the difference between the figures in the preceding two columns without considering their sign.

TABLE II (CONTD.) : STATES SHOWING INCREASE/DECREASE IN THE DIFFERENCE
 (1) BETWEEN PERCENTAGE OF OPERATED AREA
 (WITH NET AREA SOWN) AND THE PERCENTAGE ESTIMATE
 OF AREA OPERATED BASED ON CENSUS HOUSEHOLD

(c) : STATES SHOWING UNDERESTIMATION OF NUMBER OF HOUSEHOLDS
 AND INCREASE IN PERCENTAGE DEVIATION FROM NET AREA SOWN

States	Extent of under-estimation of census households (%)	Percentage deviation from net area sown of		Absolute increase in the percentage deviation in col. from col. 13
		N.S. operated area	Operated area based on census households	
11	12	13	14	15
Uttar Pradesh	2.2	+7.12	+4.1	42.56
Bihar	6.41	-2.57	+3.56	0.99
Madhya Pradesh	5.77	-2.05	+4.02	1.97
Madhya Pradesh	21.	-7.29	+ .	11.35

(d) : STATES SHOWING UNDERESTIMATION OF NUMBER OF HOUSEHOLDS
 AND INCREASE IN PERCENTAGE DEVIATION FROM NET AREA SOWN

State	Extent of under-estimation of census households (%)	Percentage deviation from net area sown of		Absolute decrease in the percentage deviation in col. 19 from col. 18
		N.S. operated area	Operated area based on census households	
16	17	18	19	20
Assam	8.26	-10.20	-2.1	7.69
Haryana	3.78	-32.	-30.13	2.81
Jammu & Kashmir	8.	-5.60	+3.26	2.34
Kerala	7.04	-43.06	-38.05	5.01
Rajasthan	13.3	-8.	+5.93	2.34
Tripura	2.1	-39.3	-18.17	21.21
West Bengal	6.73	-21.67	-15.72	5.95
Goa	42.16	- .	-63.27	14.92
Pondicherry	39.1	-38.7	+0.95	37.78

Note: Figures in column 15 are percentages of increase/decrease worked out as follows: (15 - 13) / 13 x 100. Figures in column 19 are percentages of decrease worked out as follows: (18 - 19) / 18 x 100.

LIST OF TABLES

	Description of table	<u>State tables</u>			<u>Region tables (Rural)</u>	
		Urban	Urban	Rural	<u>Region No.</u>	
		& Rural			1	2
						Page Number
TABLE (1) :	Estimated number of households, area owned and household size by size class of household ownership holding.	15	39	65	91	117
TABLE (2)	Percentage and cumulative percentage distribution of households and of area owned by size class of household ownership holding.	16	40	66	92	118
TABLE (3)	Percentage of households leasing out land under different terms to all households owning land and percentage of area leased out to area owned by size class of household ownership holding.	17	41	67	93	119
TABLE (4)	Percentage of households leasing in land under different terms to all households owning land and percentage of area leased in to area owned by size class of household ownership holding.	18	42	68	94	120

LIST OF TABLES (CONTD.)

Description of table	State tables			Regions (Rural)	
	Urban & Rural	Urban	Rural	R	
				1	2
					Page Number
TABLE (5) : Estimated number of household , area operated and by size class of operational holding.	19	43	69	95	121
TABLE (6) : Percentage and cumulative percentage of households and of area operated by size class of household operational holding.	20	44	70	96	122
TABLE (7) : Estimated number of own title and owned taluqs per 100 households by size class of operational holding.	21	45	71	97	123
TABLE (8) : Estimated number of owned cattle and owned buffaloes per 100 hectares of operated area by size class of household operational holding.	23	47	73	99	125
TABLE (9) : Percentage of households not having working title by size class of household operational holding.	25	49	75	101	127

LIST OF TABLES (CONTD.)

	Description of table	State tables			Region tables (Rural)	
		Urban	Urban	Rural	H.C. No.	
		& Rural			1	2
						Page Number
TABLE (10)	: Estimated number of livestock (other than cattle and buffaloes) and poultry owned per 100 households by size class of household operational holding.	26	50	76	102	128
TABLE (11)	: Estimated number of agricultural machinery owned per 100 households by size class of household operational holding.	27	51	77	105	129
TABLE (12)	: Estimated number of agricultural machinery per 100 hectares of operated area and area operated per tractor by size class of household operational holding.	29	53	79	105	131
TABLE (13)	: Percentage of households reporting pumps and ploughs by size class of household operational holding.	30	54	80	106	132
TABLE (14)	: Estimated number of non-farm business equipments owned per 100 households by size class of household operational holding.	x	55	81	107	133
x	: This table is dropped as the data collected for urban and rural sectors are different and not amenable for pooling.					

LIST OF TABLES (CONTD.)

Description of table	State tables			Region tables (Rural)	
	Urban & Rural	Urban	Rural	Region No.	
				1	2
				Page Number	
TABLE (15) : Estimated number of transport equipments owned per 100 households by size class of household operational holding.	31	56	83	109	135
TABLE (16) : Percentage of shares of value of (i) cattle (ii) buffaloes (iii) other livestock (iv) agricultural machinery (v) non-farm business equipments (vi) transport equipments in the total value of all the six asset groups by size class of household operational holding.	32	57	84	110	136
TABLE (17) : Estimated number of operational holding and area operated by size class of operational holding.	33	58	85	111	137
TABLE (18) : Percentage and cumulative percentage distribution of operational holdings and area operated by size class of operational holding.	34	59	86	112	138

LIST OF TABLES (CONTD.)

Description of table	State tables			Region tables (Rural)	
	Urban & Rural	Urban	Rural	Region No.	
				1	2
				Page Number	
TABLE (19) : Percentage of holdings reporting owned areas and those reporting leased in areas and percentage of operated area owned and leased in under different terms of leasing in by size class of operational holding.	35	60	87	117	139
TABLE (20) : Percentage of individual and joint operational holdings and their percentage shares of area operated by size class of operational holding.	37	62	89	115	141
TABLE (21) : Average number of attached farm workers per operational holding (reporting) for different major agricultural seasons by size class of operational holding.	38	63	90	116	142

SIZE CLASS OF HOLDING

<u>ACRES</u>		<u>HECTARES</u>		<u>CODE</u>
		© Landless/operating no land		0
0.01	- 0.49	0.002	- 0.20	1
0.50	- 0.99	0.21	- 0.40	2
1.00	- 1.24	0.41	- 0.50	3
1.25	- 2.49	0.51	- 1.00	4
2.50	- 4.99	1.01	- 2.02	5
5.00	- 7.49	2.03	- 3.03	6
7.50	- 9.99	3.04	- 4.04	7
10.00	- 12.49	4.05	- 5.05	8
12.50	- 14.99	5.06	- 6.07	9
15.00	- 19.99	6.08	- 8.09	10
20.00	- 24.99	8.10	- 10.12	11
25.00	- 29.99	10.13	- 12.14	12
30.00	- 49.99	12.15	- 20.24	13
50.00	& above	20.25	& above	14

© Households owning/operating land less than 0.002 hectares are included in size class 0.

Households owning land but not operating code 0.1

Households neither owning nor operating land code 0.2

SIZE CLASS OF HOUSEHOLD OWNERSHIP HOLDING

State : Punjab

Region : Northern

Rural

number of sample villages : 84

number of sample households : 444

size class of household ownership holding (code)	estimated number of households (00)			estimated area owned (00 hectares)			estimated household size		
	sub-sample 1	sub-sample 2	combined	sub-sample 1	sub-sample 2	combined	sub-sample 1	sub-sample 2	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	509	1070	790	-	-	-	3.82	3.83	3.82
1	5501	5575	5538	97	97	97	4.96	5.72	5.34
2	385	117	251	109	33	71	3.98	5.48	4.33
3	285	248	266	149	104	126	4.00	6.81	5.36
4	765	473	619	506	289	438	4.28	4.57	4.39
5	806	1129	968	1188	1758	1473	5.60	5.77	5.69
6	940	655	798	2292	1607	1950	6.87	3.85	6.44
7	394	424	409	1402	1508	1455	8.04	7.83	7.93
8	276	376	326	1262	1662	1462	7.30	5.03	5.99
9	320	129	224	1761	695	1220	6.66	6.45	7.19
10	143	74	108	955	526	740	10.66	8.77	10.06
11	109	150	130	970	1303	1136	11.38	8.20	9.52
12	70	80	75	811	860	840	9.04	6.64	7.76
13	70	25	48	1273	326	800	9.53	5.00	8.25
14	53	12	32	1028	297	962	7.30	12.50	8.37
all sizes	10626	10537	10502	14483	11073	12770	5.45	5.60	5.56

(2) : PERCENTAGE AND CUMULATIVE PERCENTAGE DISTRIBUTION OF HOUSEHOLDS
 OF A STATE BY SIZE CLASS OF HOUSEHOLD IN RURAL HOLDINGS

State : Punjab

Region : Northern

Rural

Size class of household (in persons)	Average area owned by household (in acres)	Percentage of households	Cumulative percentage of households	Percentage of total area
-	-	7.46	7.46	-
1	0.52	9.33	16.79	0.76
2	0.28	2.37	19.16	1.32
3	0.47	2.51	21.67	2.31
4	0.71	5.35	27.02	5.73
5	1.52	9.15	36.17	17.26
6	2.44	7.54	43.71	32.52
7	3.56	3.97	47.68	43.91
8	4.48	3.08	50.76	55.35
9	5.46	2.12	52.88	64.96
10	6.85	1.02	53.90	70.76
11	8.74	1.23	55.13	79.65
12	11.20	0.71	55.84	86.22
13	16.67	0.46	56.30	92.47
14	30.06	0.39	56.69	94.87
all sizes	1.21	100.00	100.00	100.00
no. of households	x	x	x	x
total area (in acres)	x	x	12776	x
average area owned by household	1.31	x	x	x

TABLE (3) : PERCENTAGE OF HOUSEHOLDS LEASING OUT LAND UNDER DIFFERENT TERMS TO ALL HOUSEHOLDS OWNING LAND AND PERCENTAGE OF AREA LEASED OUT TO AREA OWNED BY SIZE CLASS OF HOUSEHOLD OWNERSHIP HOLDING

State : Punjab		Region : Northern					Rural			
number of sample villages : 04		number of sample households: 444								
size class of household ownership holding (code)	estimated number of households (00)	percentage of households leasing outland				estimated area owned (00 hectares)	percentage of owned area leased out			total
		under usufructuary mortgage	on crop sharing basis	on other terms	under any term		under usufructuary mortgage	on crop sharing basis	on other terms	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	5539	-	-	-	-	97	-	-	-	-
2	251	-	29.00	14.74	29.40	71	-	26.70	6.82	33.52
3	260	9.40	36.09	-	45.11	126	9.29	30.13	-	39.42
4	619	13.57	29.40	-	42.97	430	7.49	30.62	-	38.11
5	958	4.34	10.95	10.95	22.31	1473	1.40	11.29	6.40	19.17
6	795	7.27	10.05	9.82	34.34	1550	4.54	17.00	3.14	29.10
7	409	13.69	25.40	22.00	35.70	1455	3.20	22.36	4.40	30.12
8	320	20.53	25.40	7.87	43.25	1462	5.55	15.31	3.02	26.00
9	224	0.04	-	23.21	31.25	1220	1.71	-	17.77	19.48
10	100	23.10	-	8.33	31.40	740	5.36	-	2.00	7.44
11	130	11.54	14.12	35.70	35.30	1130	1.20	7.90	6.94	16.20
12	75	12.00	-	41.33	53.33	040	0.24	-	27.23	27.52
13	40	12.50	-	10.75	31.25	600	0.01	-	7.54	0.35
14	32	20.12	50.25	-	50.25	052	0.55	30.10	-	30.73
all sizes	9792	4.40	5.47	4.01	14.01	12770	2.09	13.39	7.67	23.95

TABLE (4) :

PERCENTAGE OF HOUSEHOLDS IN RURAL AREAS AND PERCENTAGE OF HOUSEHOLDS IN RURAL AREAS

AND LESS THAN 10 ACRES OWNED BY

THE HOUSEHOLDS

Size of household	No. of households	Total		Urban		Rural		Total		Urban		Rural	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
0	790	0.5	0.04	-	-	18	0.23	3	0.04	1	0.01	1	0.01
1	500	0.6	0.08	0.4	0.01	-	-	22	0.28	-	-	9	0.11
2	251	0.3	0.03	-	-	-	-	28.4	0.36	2	0.02	1	0.01
3	-	0.7	0.09	-	-	1	0.01	107.9	1.37	-	-	119.55	1.50
4	619	0.77	11.04	24.88	11.31	3.07	0.02	9.02	0.11	60.17	0.76	17.85	0.22
5	966	1.17	21.49	-	-	3.00	0.04	3.96	0.05	16.0	0.20	39.0	0.49
6	-	0.1	10.15	-	-	1.88	0.02	5.02	0.06	8.0	0.10	1.0	0.01
7	-	7.0	9.78	-	-	9.78	0.12	5.48	0.07	2.7	0.03	3.0	0.04
8	-	11.04	-	-	2	-	11.04	14.2	7.0	-	-	0.97	-
9	226	2.79	-	1.2	-	4.02	0.05	1.28	0.02	3.16	0.04	8.0	0.10
10	93	1	-	0.33	-	0.78	0.01	7	0.09	0.3	0.00	3.06	0.04
11	-	15.0	15.38	6.92	-	4.52	0.06	11.0	0.14	1.99	0.02	1.79	0.02
12	75	8.0	-	-	-	-	8.0	840	5.11	-	-	-	5.0
13	48	1	-	10.75	-	-	-	800	1.77	-	4.6	-	6.23
14	32	-	-	-	-	-	-	9	-	-	-	-	-
11 sizes	-	0	3.0	0.68	21	0	0.09	70	0.8	0.2	1.0	0	7.0

number of sample villages : 84

number of sample households : 444

size class of household operational holding (code)	estimated number of households (00)			estimated area operated (00 hectares)			estimated household size		
	sub-sample 1	sub-sample 2	combined	sub-sample 1	sub-sample 2	combined	sub-sample 1	sub-sample 2	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	5592	6839	6716	x	x	x	4.64	5.29	4.97
0.1	6150	6038	6024	x	x	x	x	x	x
0.2	462	891	622	x	x	x	x	x	x
1	150	131	140	15	14	15	4.33	5.34	4.82
2	200	44	122	52	11	32	4.25	3.98	4.20
3	50	44	47	21	20	20	8.00	10.93	9.36
4	150	306	228	122	225	173	2.67	4.43	3.85
5	889	1050	970	1259	1689	1474	5.00	5.50	5.25
6	661	651	656	1635	1576	1605	7.60	6.10	6.84
7	929	561	745	3301	1985	2643	7.29	7.41	7.35
8	320	318	319	1477	1429	1453	7.63	7.08	7.3
9	176	220	198	979	1175	1077	7.59	7.99	7.8
10	228	112	170	1606	766	1186	9.25	6.24	8.2
11	86	150	119	786	1305	1046	11.78	8.49	9.7
12	70	62	66	797	710	754	9.29	8.45	8.8
13	105	37	71	1581	535	1058	10.70	9.43	10.2
14	18	12	15	396	297	346	3.89	12.50	7.5
all sizes	10626	10537	10582	14027	11737	12882	5.45	5.68	5.5

TABLE (6) : PERCENTAGE AND CUMULATIVE PERCENTAGE DISTRIBUTION OF HOUSEHOLDS AND OF AREA OPERATED BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Northern

Rural

number of sample villages : 94

number of sample households : 444

size class of household operational holding (code)	average area operated by household (hectares)	percentage of		cumulative percentage of	
		households	area operated	households	area operated
(1)	(2)	(3)	(4)	(5)	(6)
0	-	63.47	-	63.47	-
1	0.11	1.33	0.11	64.80	0.11
2	0.26	1.16	0.25	65.96	0.36
3	0.43	0.44	0.16	66.40	0.52
4	0.76	2.15	1.34	68.55	1.86
5	1.52	9.17	11.44	77.72	13.30
6	2.45	6.20	12.46	83.92	25.76
7	3.55	7.04	20.52	90.96	46.26
8	4.56	3.01	11.23	93.97	57.56
9	5.44	1.07	6.36	95.04	65.92
10	6.90	1.61	9.21	97.45	75.13
11	8.79	1.12	0.12	98.57	83.25
12	11.42	0.62	5.05	99.19	89.10
13	14.90	0.67	0.22	99.06	97.32
14	23.07	0.14	2.50	100.00	100.00
all sizes	1.22	100.00	100.00		
estimated number of households (00)	x	10502	x		
estimated area operated (00 hectares)	x	x	12002		
average area operated by land operating households (hectares)	3.33	x	x		

TABLE (7)

ESTIMATED NUMBER OF OWNED CATTLE

BY SEX AND AGE CLASS

State: Penn

Number of farms: 444

Age Class	Males			Females			Total	
	Number	Value	Sub-total	Number	Value	Sub-total	Number	Value
0	-	.01	1.	2.	.51	70	30	8.
1	17.06	-	17.	1.	17.36	3.	35.	8.30
2	-	-	-	30.	-	30	30	7.84
3	-	-	-	-	.91	4.	93.	140.43
4	.07	20.61	98.68	19.	60.09	7.39	40.	22.63
5	.0	6.	.	23.	16	4	3.	.27
6	.83	.	150.1	37.	1.29	56.25	47.	25.96
7	177.99	27.65	205.	3.	.	56.12	14.90	278.66
8	1.54	5.	269.1	34.	.44	71.47	5.	391.85
9	.08	.	9.	39.	8		7	38.
10	1.59		214.1	2.	15.	4.76	5.18	.06
11	260.9	40.34	309.24	38.	.77	71.	64.71	44.
12	.70	9.9	328.	51.51	.3	4.	12.79	.82
13	.1	86	260.	63.	.25	5.63	98.59	4.70
14	.5		2.	-	106.7	100.	.33	42.
Total		6.		2.	.1	44.65	3.	130.27

OWNED CATTLE AND OWNED BUFFALOES PER 100 HECTARES
OPERATED AREA BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Northern

Rural

number of sample villages : 84

number of sample households : 444

size class of household operational holding (code)	number (0.00) of cattle owned per 100 hectares of operated area						young stock	total
	males over 3 years			females over 3 years				
	working	others	sub-total	in milk	others	sub-total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
0*	-	68	68	1370	1162	2532	2041	4641
1	171.61	-	71.61	171.59	171.59	343.18	343.20	857.99
2	-	-	-	148.90	-	148.90	148.90	297.80
3	-	-	-	-	108.72	108.72	217.45	326.17
4	102.77	27.13	29.90	25.40	79.10	104.50	65.23	299.63
5	57.06	4.28	61.34	15.47	11.07	26.54	23.55	111.43
6	58.36	2.99	61.35	15.52	7.46	22.98	19.42	103.75
7	50.16	7.78	57.94	10.53	5.86	16.39	4.20	78.53
8	46.65	12.60	59.25	6.82	8.87	15.69	11.07	86.01
9	38.25	2.05	40.30	7.34	8.90	16.24	13.57	70.11
10	30.17	0.49	30.66	3.78	2.20	5.98	7.34	43.98
11	30.59	4.60	35.19	4.40	3.73	8.13	7.36	50.68
12	28.70	0.79	28.79	4.52	1.98	6.50	11.29	46.58
13	16.83	0.67	17.50	4.25	2.04	7.39	6.60	31.19
14	5.49	3.46	8.95	-	4.62	0.62	4.92	14.49
all sizes	42.55	5.56	48.11	20.09	16.58	36.69	28.79	113.59

*For size class 0 (operating no land) actual number of cattle/buffaloes has been recorded in columns 2-9 instead of number per 100 hectares of operated area.

TABLE (3) CONTD. : ESTIMATED NUMBER OF OWNED CATTLE AND OWNED BUFFALOES PER 100 HECTARES OF OPERATED AREA, BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab		Region : Northern						Rural	
number of sample villages : 84								number of sample households : 444	
size class of household operational holding (code)	number (0.00) of buffaloes owned per 100 hectares of operated area								number of cattle and buffaloes owned per 100 hectares of operated area
	males over 3 years			females over 3 years			young stock	total	
	working	others	sub-total	in milk	others	sub-total			
(1)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
0*	37	142	179	1718	1441	3159	1246	5104	9925
1	-	-	-	-	302.01	302.01	302.01	504.02	1462.01
2	-	-	-	-	79.20	79.20	146.00	220.10	525.90
3	108.72	-	108.72	123.55	232.27	355.82	232.27	596.04	1022.98
4	64.67	-	64.67	52.53	25.46	77.93	39.63	102.43	482.06
5	49.86	1.48	51.34	49.47	52.42	81.89	39.02	172.25	203.60
6	20.44	-	20.44	37.19	30.07	67.26	42.60	130.30	234.05
7	13.10	-	13.10	33.41	10.53	43.94	27.63	84.67	163.20
8	7.91	2.35	10.26	24.36	23.48	47.84	19.35	77.45	163.46
9	9.93	-	9.93	21.72	15.05	36.77	10.01	64.71	134.02
10	7.41	1.01	8.42	28.91	9.69	30.60	19.30	66.32	110.30
11	5.36	0.57	5.93	21.03	0.43	29.46	13.96	49.35	100.03
12	2.52	-	2.52	11.63	6.50	17.21	11.02	30.75	77.33
13	0.84	0.84	1.60	14.83	10.60	25.51	13.15	40.34	71.53
14	7.51	-	7.51	6.05	11.27	17.32	4.62	29.45	43.94
all sizes	15.52	1.75	17.27	42.30	29.03	71.41	39.03	120.51	242.10

* For the size class 0 (operating no land) actual number cattle/buffaloes has been recorded in columns 10-10 instead of number per 100 hectares of operated area.

TABLE (9) : PERCENTAGE OF HOUSEHOLDS NOT HAVING WORKING CATTLE IN BUFFALOES BY SIZE CLASS OF HOUSEHOLDS

State : Punjab

Region : Northern

Area : I

number of sample villages : 84

number of sample households : 444

size class of household (code)	number of households (00)	percentage of households		percentage of households not having any working cattle or buffaloes
		not having any working cattle	not having any working buffaloes	
(1)	(2)	(3)	(4)	(5)
0	6716	9.9	9.43	9.43
1	140	.85	100.00	82.
2	122	1.00	100.00	100.
3	47	100.00	5.19	53.19
4	228	50.44	60.	20.61
5	970	52.58	37.11	9.07
6	656	27.74	62.50	8.69
7	745	11.01	66.31	7.25
8	319	13.79	60.34	13.46
9	198	9.09	55.56	-
10	170	8.82	64.71	8.82
11	119	5.04	79.83	5.04
12	66	-	01.82	-
13	71	12.68	87.32	12.68
14	15	60.00	40.00	-
all sizes	10582	73.80	85.26	68.11

TABLE (10) : ESTIMATED NUMBER OF LIVESTOCK (OTHER THAN CATTLE AND BUFFALOES) AND POULTRY OWNED PER 100 HOUSEHOLDS BY SIZE CLASS OF HOUSEHOLD OF ATIONAL HOLDING

State : Punjab		Region : North		Ru 1					
Number of sample villages 84		number of sample households 1444							
Size class of ational holding (in acres)	No. of households	Number per 100 households							
		sheep	goats	horses & ponies	mules	donkeys	camels	other draught	pigs
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	10.72	19.79	5.72	-	-	-	-	4.93	8.58
	-	14	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	20.49
3	-	-	46.81	-	-	-	-	-	-
4	-	51.40	-	-	-	-	-	-	9.65
5	13.51	9.92	8.97	-	1.44	-	-	-	30.52
6	10.06	1.90	4.42	-	2.13	-	-	-	55.34
7	14.23	46.04	-	-	-	4.56	-	-	72.48
8	-	28.84	-	-	-	5.96	-	-	5.58
9	-	12.63	-	-	3.03	7.07	-	-	929.29
10	-	12.94	-	-	-	5.29	-	-	84.71
11	5.04	25.21	7.56	-	-	5.04	-	-	-
12	-	27.27	-	-	-	-	-	-	66.67
13	-	30.99	-	-	-	-	-	-	25.35
14	-	-	-	-	-	-	-	-	2.33
all sizes	3.60	23.89	5.02	-	0.40	0.77	-	3.00	53.90

TABLE (11)

ESTIMATED NUMBER OF AGRICULTURAL MACHINES

BY

TYPE

State - Punjab

Area

Rural

Size - 1 : 84

Number of

Machines

Operation holding (code)	Number (000)		Agricultural		Dusters	Tractors	Tractors			Horse power available
	Tractors	Harrows	Discs	Discs			10 h.p.	5-10 h.p.	Below 5 h.p.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	.	1.9	1.3	1	-	0.55	-	-	-	-
1	17.8		.	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-
3	46.81	-	-	-	-	-	-	-	-	-
4	64.47	.		9.65	10.96	-	-	-	-	-
5	60.2	83.8	.18	5	-	.5	-	-	-	-
6	61.13	92.53	.01	10	-	11.74	-	-	-	1.22
7	83.2	126.98	40.00	24.43	-	23.89	-	0.27	-	0.40
8	8	.	.47	11.	-	14.42	-	-	-	-
9	10		29.	23.3	-	9.09	-	-	-	2.02
10	7.65	168.24	.63	.47	-	28.24	-	7.6	6.47	8.24
11	11.	200.10	33.61	-	-	25.21	-	0.5	1.68	10.08
12	104.	.	.5	-	-	84.84	-	-	-	1.
13	7.06	.		2.5	-	18.31	-	5.6	5.63	-
14	12.	.09	1.	60.0	-	-	-	-	-	40.
all sizes	25.9	0.	11.	4.8	0.	5.99	.	0.	0.16	.

TABLE (12) : ESTIMATED NUMBER OF AGRICULTURAL MACHINERY PER 100 HECTARES OF OPERATED AREA AND AREA OPERATED PER TRACTOR BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Northern

Rural

number of sample villages : 84

number of sample households : 444

size class of household operational holding (code)	estimated number (0.00) of agricultural machinery per 100 hectares of operated area				estimated area operated per tractor (0.00) hectares					
	ploughs wooden	ploughs iron	harrow	seed drills	less than 10 h.p.	10-14 h.p.	15-19 h.p.	20 h.p. & above	h.p. not available	all
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	171.59	171.59	171.59	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-
3	108.72	-	-	-	-	-	-	-	-	-
4	84.88	112.01	12.70	12.70	-	-	-	-	-	-
5	39.64	55.15	19.20	3.95	-	-	-	-	-	-
6	24.98	37.81	13.07	4.18	-	-	-	4.20	-	4.20
7	23.45	35.78	11.27	6.89	-	31.36	-	19.15	-	24.04
8	17.77	28.76	11.07	2.62	-	-	-	-	-	-
9	19.50	24.44	5.39	4.28	-	-	-	21.14	-	21.14
10	11.12	24.09	2.52	2.35	-	9.00	10.52	12.63	-	10.83
11	13.00	22.86	3.83	-	-	8.90	11.92	9.71	-	10.24
12	9.17	18.31	4.77	4.77	-	-	-	14.90	-	14.90
13	5.12	15.39	6.05	0.57	34.50	34.50	34.50	15.13	-	19.97
14	5.19	6.92	4.32	2.60	-	-	-	24.68	-	24.68
all sizes	21.35	32.84	9.54	3.95	34.50	14.48	14.80	14.11	-	14.82

TABLE (13) : PERCENTAGE OF HOUSEHOLDS REPORTING PUMPS AND PLOUGHS BY SIZE CLASS
OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Northern

Rural

number of sample villages : 84

number of sample households : 444

size class of household operational holding (code)	number of households (00)	percentage of households reporting					
		ploughs		neither wooden nor iron ploughs	pumps		
		wooden	iron		electric	diesel	other
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
0	6716	1.10	1.28	97.62	-	0.61	-
1	140	17.86	17.06	82.14	-	-	-
2	122	-	-	100.00	-	-	-
3	47	46.84	-	53.19	-	-	-
4	228	60.53	71.05	9.65	-	9.65	-
5	970	64.43	72.58	6.80	4.85	10.66	-
6	656	59.60	74.39	2.90	2.90	28.66	8.84
7	745	60.13	85.10	2.01	13.56	32.75	5.91
8	319	68.97	90.91	4.39	5.96	47.34	-
9	198	76.26	89.39	-	21.21	27.27	4.55
10	170	60.00	100.00	-	37.65	52.94	5.29
11	119	63.87	89.08	5.04	23.53	60.91	-
12	66	68.18	100.00	-	37.88	22.73	9.09
13	71	54.93	87.32	12.68	33.80	67.61	-
14	15	60.00	100.00	-	100.00	65.00	-
all sizes	10582	22.39	28.21	58.57	3.63	10.57	1.19

TABLE (14) : ESTIMATED NUMBER OF DIFFERENT NON-FARM BUSINESS EQUIPMENTS OWNED PER 100 HOUSEHOLDS BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Northern

Rural

number of sample villages : 84

number of sample households : 2444

size class of household operational holding (code)	number (0.00) of non-farm business equipments owned per 100 households									
	hand-loom	semi-auto matic and power looms	grinning, pressing and baling equipments	reeds, hobbins and other accessories used in spinning & weaving	ghanis	oil-mills (power driven)	rice milling and pounding equipments	flour mill- ing and grinding equipments	sewing mach- ine	other tail oring equipments
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
0	6.94		0.51		0.51	-	0.77	0.77		
1			7.86					7.86		
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
all sizes	4.40		0.43	-	0.32	-	0.49	0.50		

TABLE (14) CONTD. :

State	Run	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS
State	Run	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS
State	Run	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS	PERCENTAGE OF TOTAL HOUSEHOLDS
0	-	-	-	1	21.38	-	-	10.04	5.48	-	0.	-	4.	
1	-	-	-	-	-	-	-	561.43	-	-	7.86	-	7.86	
2	-	-	-	-	-	-	-	-	-	-	-	-	7.43	
3	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	-	-	-	-	-	-	-	-	-	-	-	-	21	
6	-	-	-	-	-	-	2.	-	2.90	-	-	-	-	
7	-	-	-	-	-	-	-	-	-	-	-	-	4.5	
8	-	-	-	-	-	-	-	-	-	-	-	-	-	
9	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	-	-	-	-	-	-	-	-	-	-	-	-	-	
a	-	-	-	6.	13.57	-	0.18	15.03	3.66	-	0.	-	3.	

TABLE (15) : ESTIMATED NUMBER TR P EQUIPMENTS OW. O PE 100 HOU
 BY C HOU

State : Punjab		Reg		Port		Rur I			
number of sample villages : 84		number of sample households : 444							
id	s	be (0	f	r	ts a ed	100	eh	person bus.	10
()	(2)			5)				(9)	
	-	-	-	.	-	-	-	-	1.
1	-	-	-	1.78	-	-	-	-	-
2	-	-	-	.	-	-	-	-	-
3	-	-	.81	1	-	-	-	-	-
4	-	-	2.	1.	-	-	-	-	-
5	-	-	14	63.	-	-	-	-	2.27
6	-	-	.0	.95	-	-	1.7	-	4.42
7	-	-	.0	.	1.8	-	-	-	2.55
	-	-	26.33	38.24	-	-	-	-	-
9	-	-	0	.35	-	-	0.51	-	-
10	-	-	59.41	.	4.76	-	3.	-	-
11	-	-	.	-	-	-	6.	-	-
1	-	-	.	118.18	-	-	13.	-	-
1	-	-	67.	152.11	-	-	16.	12.68	16.
	-	-	1 .	100.00	-	-	4 .	-	120.00
es	-	-	.53	53.11	0.16	-	0.	-	1.

TABLE (16) : PERCENTAGE OF SHARES OF VALUE OF OWNED (i) CATTLE (ii) BUFFALOES (iii) OTHER LIVESTOCK (iv) AGRICULTURAL MACHINERY (v) NON-FARM BUSINESS EQUIPMENTS (vi) TRANSPORT EQUIPMENT IN THE TOTAL VALUE OF ALL THE SIX ASSET GROUP BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Northern

Rural

number of sample villages : 84

number of sample households : 444

size class of total household operational holding (code)	value of six asset groups (Rs.00)	value of asset per 100 households (Rs.00)	value of asset per 100 hectares of operated area (Rs.00)	percentage shares of value of owned					
				cattle	buffaloes	other live-stock	agricultural machinery	non-farm business equipments	transport equipments
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	4205260	62616	4205260 *	14.38	56.34	10.53	3.97	6.13	6.65
1	131444	93889	876293	18.26	25.63	1.66	15.36	31.05	8.04
2	78865	58086	221453	37.09	47.40	0.17	5.85	0.71	9.00
3	83831	178364	419155	9.13	57.93	15.66	1.33	1.04	14.91
4	337942	148220	195342	42.27	30.49	3.83	12.29	-	11.12
5	2389186	246308	162089	23.39	46.86	2.64	20.24	0.05	6.82
6	2739624	417626	170693	28.49	31.83	1.14	28.73	4.32	5.49
7	3751746	503590	141950	28.79	28.51	1.46	30.56	0.09	10.59
8	1931588	605513	132938	32.08	26.56	0.60	35.50	-	5.18
9	1192216	602129	110698	30.08	26.78	2.05	35.44	-	5.65
10	2273316	1337245	191679	13.66	19.76	0.50	61.41	-	4.67
11	1326055	1114332	126774	23.93	21.03	0.99	46.00	-	8.05
12	912799	1383029	121061	22.97	10.73	0.27	56.97	-	9.06
13	1288372	1814608	121774	11.23	17.24	0.17	54.35	-	17.01
14	289834	1932227	83767	7.80	20.06	0.06	65.21	-	6.87
all sizes	22924073	216633	177954	22.72	33.10	3.00	31.30	1.84	8.04

*For the size class 0 actual value of asset (Rs.00) is recorded in column 4 instead of value of asset per 100 hectares of operated area.

BY SIZE CLASS OF OPERATIONAL HOLDING

State : Punjab

Region : - Northern

Rural

number of sample villages : 84

number of sample households : 444

size class of operational
holding
(code)estimated number of operational
holdings (00)estimated area operated
(00 hectares)sub-
samplesub-
sample 2

combined

sub-
sample 1sub-
sample 2

combined

(1)

(2)

(3)

(4)

(5)

(6)

(7)

1

150

131

140

15

14

14

2

200

44

122

52

11

32

3

50

44

47

21

20

20

4

100

306

203

89

225

157

5

914

1016

965

1292

1657

1474

6

661

622

642

1635

1511

1573

7

929

546

730

3301

1939

2620

8

320

318

319

1477

1428

1453

9

176

220

198

979

1175

1077

10

228

131

180

1606

910

1258

11

88

137

112

786

1204

995

12

70

62

66

737

710

754

13

105

37

71

1581

535

1058

14

18

16

17

396

398

397

all sizes

4009

3630

3820

14027

11737

12882

TABLE (18) : PERCENTAGE AND CUMULATIVE PERCENTAGE DISTRIBUTION OF OPERATIONAL HOLDINGS AND AREA OPERATED BY SIZE CLASS OF OPERATIONAL HOLDING

State : Punjab

Region : Northern

Rural

number of sample villages : 84

number of sample households : 444

size class of operational holding (code)	average area of an operational holding (hectares)	percentage of operational holdings	percentage of area operated	cumulative percentage of operational holdings	cumulative percentage of area operated
(1)	(2)	(3)	(4)	(5)	(6)
1	0.10	3.69	0.11	3.69	0.11
2	0.26	3.19	0.25	6.88	0.36
3	0.43	1.23	0.16	8.11	0.52
4	0.77	3.31	1.22	13.42	1.74
5	1.53	25.26	11.44	38.68	13.18
6	2.45	16.81	12.21	55.49	25.39
7	3.55	19.29	20.34	74.78	45.73
8	4.56	8.35	11.28	83.13	57.01
9	5.44	5.18	8.36	88.31	65.37
10	6.99	4.71	9.77	93.02	75.14
11	8.88	2.94	7.72	95.96	82.86
12	11.42	1.73	5.85	97.69	88.71
13	14.90	1.86	8.21	99.55	96.92
14	23.35	0.45	3.08	100.00	100.00
all sizes	3.37	100.00	100.00		
estimated number of operational holding (00)	x	3820	x		
estimated area operated (00 hectares)	x	x	12882		

TABLE (1) : PERCENTAGE OF OPERATIONAL HOLDINGS IN THE NORTH AND SOUTH

Size of holding (1)	Number of holdings (2)	Percentage of holdings (3)					Percentage of holdings (4)		Percentage of holdings (5)	Percentage of holdings (6)
		Owned (a)	For sale (b)	For lease (c)	For other (d)	Unclassified (e)	Other (f)			
1	141	1	15.71	-	-	-	-	15.71	-	
2	122	100.00	-	-	-	-	-	-	-	
3	47	1	-	-	-	-	-	-	-	
4	203	89.16	-	10.84	10.84	-	-	10.84	3.52	
5	965	.71	5.70	7.5	3.	5.18	-	2.23	53.	
6	642	100.	5.92	.3	-	-	-	5.30	46.88	
7	737	94.84	34.60	12.75	21.	-	-	0.41	6.08	
8	319	100.00	9.09	9	2.57	-	-	.9	40.7	
9	198	95.45	27.27	3	2.	-	-	12.12	58.9	
10	180	99.44	25.00	2	20.	.44	-	6.1	71.11	
11	112	100.00	-	-	21.43	8.04	-	10.71	40.18	
12	66	1.	9.09	9.09	-	-	-	-	1.8	
13	71	1.	45.07	-	2.35	-	-	-	70.42	
14		100	1.18	-	-	-	-	-	-	
all sizes	30	.07	14.08	8.0	2.1	2.3	-	2.26	49.03	

TABLE (19) : PERCENTAGE OF HOLDINGS REPORTING OWNED AREAS AND THOSE REPORTING LEASED IN AREAS AND PERCENTAGE OF OPERATED AREA OWNED AND LEASED IN UNDER DIFFERENT TERMS OF LEASING IN BY SIZE CLASS OF OPERATIONAL HOLDING

State : Punjab

Region : Northern

Rural

number of sample villages : 84

number of sample households : 444

size class of operational holding (code)	estimated area operated (00 hectares)	owned	percentage of operated area					total
			for fixed money	for fixed produce	for share of produce	leased in under usufructuary mortgage	other terms	
(1)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	14	83.33	16.67	-	-	-	-	16.67
2	32	100.00	-	-	-	-	-	-
3	20	100.00	-	-	-	-	-	-
4	157	82.73	-	2.84	2.84	-	11.59	17.27
5	1474	66.87	3.27	4.69	21.66	1.40	2.11	33.13
6	1573	75.33	1.90	8.67	13.46	-	0.64	24.67
7	2620	58.88	17.94	9.04	10.26	-	3.68	41.12
8	1453	80.53	2.62	4.93	11.78	-	0.14	19.47
9	1077	79.55	9.32	2.25	6.35	-	2.52	20.44
10	1258	75.46	6.50	1.64	9.91	2.70	3.79	24.54
11	995	79.80	-	-	15.50	0.20	4.32	20.10
12	754	93.45	3.54	3.01	-	-	-	6.55
13	1058	83.14	12.31	-	4.55	-	-	16.86
14	397	93.50	6.42	-	-	-	-	6.42
all sizes	12862	74.78	7.40	4.55	10.65	0.44	2.18	25.22

TABLE (20) : PERCENTAGE OF INDIVIDUAL AND JOINT OPERATIONAL HOLDINGS AND THEIR PERCENTAGE SHARES OF AREA OPERATED BY SIZE CLASS OF OPERATIONAL HOLDING

State : Punjab

Region : Northern

Rural

number of sample villages : 64

number of sample households : 444

size class of operational holding (code)	number of operational holdings (00)	percentage of holding		area operated (00 hectares)	percentage of area operated	
		individual	joint		individually	jointly
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	141	100.00	-	14	100.00	-
2	122	100.00	-	32	100.00	-
3	47	100.00	-	20	100.00	-
4	203	100.00	-	187	100.00	-
5	965	98.24	1.76	1474	98.38	1.62
6	642	100.00	-	1573	100.00	-
7	737	99.05	0.95	2020	99.10	0.90
8	319	100.00	-	1453	100.00	-
9	198	100.00	-	1077	100.00	-
10	180	94.44	5.56	1250	94.31	5.69
11	112	100.00	-	995	100.00	-
12	66	100.00	-	754	100.00	-
13	71	100.00	-	1050	100.00	-
14	17	89.23	11.77	397	87.16	12.84
all sizes	3820	99.06	0.94	12882	98.68	1.32

TABLE (21) : AVERAGE NUMBER OF ATTACHED FARM WORKERS PER OPERATIONAL HOLDING (REPORTING) FOR DIFFERENT MAJOR AGRICULTURAL SEASONS BY SIZE CLASS OF OPERATIONAL HOLDING

State : Rajasthan

Region : Northern

Rural

number of sample villages : 84

number of sample households : 444

size class of operational holding (code)	number of holdings (80)	percentage of holdings reporting attached farm workers	average number of farm workers per reporting holding during major crop season	average number of farm workers per report holding during major crop season				
				autumn	winter	spring	summer	perennial
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	141	-	-	-	-	-	-	-
2	122	-	-	-	-	-	-	-
3	47	-	-	-	-	-	-	-
4	203	-	-	-	-	-	-	-
5	965	15.96	3.12	5.30	-	1.49	-	-
6	642	4.52	3.48	3.48	-	-	-	-
7	737	8.44	1.47	-	-	1.47	-	-
8	319	22.88	1.97	1.64	-	2.48	-	-
9	198	21.21	1.31	1.05	3.00	1.00	-	-
10	180	51.11	1.37	-	-	1.37	-	-
11	112	48.12	3.74	5.75	-	3.17	-	-
12	66	54.36	2.39	3.17	2.17	1.04	-	-
13	71	87.32	1.71	-	-	1.71	-	-
14	17	100.00	1.47	-	-	1.47	-	-
all sizes	3820	21.36	1.76	3.54	2.58	1.73	-	-

TABLE (1)

ESTIMATED NUMBER OF HOUSEHOLDS, AREA OWNED AND HOUSEHOLD
SIZE SIZE CLASS OF HOUSEHOLD OWN IIP ID

State : number of house hold own hold	Region : South:								
	Urban	Sub-urban	Combined	Sub-urban	Sub-urban	Combined	Sub-urban	Sub-urban	Combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	201	497	390	-	-	-	6.19	4.19	..
1	2170	3539	2854	38	-	45	5.00	5.48	5.50
2	-	141	70	-	33	21	-	5.11	
3	98	177	138	50	76	63	4.70	3.92	4.
4	174	308	241	131	261	196	5.71	3.90	4.
5	343	487	415	494	758	626	5.43	6.32	5.96
6	9	566	528	11	1367	1270	5.39	7.47	6.50
7	5	337	366	1315	1200	1258	6.47	6.68	6.56
8	7	272	240	929	1144	1036	7.12	5.61	6.25
9	9	122	175	1258	687	972	7.41	6.83	7.22
10	217	140	103	1572	973	125	8.05	7.71	7.90
11	100	167	133	893	1417	115	7.53	6.44	6.13
12	82	130	106	874	1399	1137	9.32	8.42	8.77
13	67	128	98	967	2019	1493	8.75	6.30	7.10
14	-	40	9	-	729	364	-	9.17	9.17
all states	4655	7037	5946	9663	12125	10094	6.06	5.77	5.89

TABLE (2)

PERCENTAGE AND CUMULATIVE PERCENTAGE DISTRIBUTIONS OF HOUSEHOLDS
AND OF AREA OWNED BY SIZE CLASS OF HOUSEHOLD OWNERSHIP HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 430

size class of household ownership holding (code)	average area owned by household (hectares)	percentage of		cumulative percentage of	
		households	area owned	households	area owned
(1)	(2)	(3)	(4)	(5)	(6)
0	-	6.56	-	6.56	-
1	0.02	43.00	0.41	54.56	0.41
2	0.30	1.18	0.19	55.75	0.60
3	0.46	2.32	0.58	58.06	11.18
4	0.81	4.05	1.80	62.11	2.98
5	1.51	6.98	5.75	69.09	8.73
6	2.40	8.88	11.66	77.97	20.39
7	3.44	6.16	11.55	84.13	31.94
8	4.32	4.04	9.51	88.17	41.45
9	5.55	2.94	8.92	91.11	50.37
10	6.87	3.08	11.55	94.19	61.92
11	8.68	2.23	10.60	96.42	72.52
12	10.73	1.78	10.44	98.20	82.95
13	15.23	1.65	13.70	99.85	96.66
14	40.44	0.15	3.34	100.00	100.00
all sizes	1.83	100.00	100.00		
estimated number of households (00)	x	5946	x		
estimated area owned (00 hectares)	x	x	10094		
average area owned by land owning households (hectares)	1.96	x	x		

PERCENT OF ESTIMATED VALUE OF LAND UNDER CULTIVATION

No. of villages	No. of households	Estimated value of land (0.00)	Area under cultivation (0.00)	Percentage of land under cultivation	Total area (0.00)	Percentage of area under cultivation		Total area (0.00)	Percentage of area under cultivation	
						Area under cultivation	Percentage of area under cultivation			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
		-	-	1	1.05	-	-	-	1	
2		37.1	37.1	-	71	2	5	19	54.72	
3		13.04	3		.72			33	4	
4	241	-	5	1				95	6.18	
5	1	13.01	1	7	26.90	626	5.5	17	5.02	
6	520	3	12	.6	10	1	0	12	0.30	
7	6	4.1	-			1				
8	10	3.75	3.75	14.50		1	2	1.09	1.76	
9	175	-	0.00		.57				5.0	
10	103					1				
11	13	.05		.03	33	1	6.52		13	
12	106	4.52	0.1			1	11.0	2	13	
	90			0.16	.16	1			0.02	
14		1			00	4				
all villages			4.1		1	1 094	4.4	3	7	0

TABLE (4) : PERCENTAGE OF HOUSEHOLDS LEASING IN LAND UNDER DIFFERENT TERMS TO ALL HOUSEHOLDS OWNING LAND AND PERCENTAGE OF AREA LEASED IN TO AREA OWNED BY SIZE CLASS OF HOUSEHOLD (RURAL HOUSING)

State : Punjab		Region : Southern										Rural		
number of sample villages		number of sample households										430		
class of household ownership (code)	total number of households	percentage for fixed money		percentage for fixed produce		percentage for share		percentage for usufruct		percentage for other terms		percentage for total		
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	
0*	300	-	-	7.69	4.62	44.62	47.95	-	-	-	127	5	5	207
1		4.62	0.63	9.70	0.77	3.92	-17.87	4	55	-	7	3	-	381
2	70	37.14	-	-	25.71	-	-62.85	2	1.8	-	-	67.92	-	69
3	150	13.03	-	5.80	-	-	18.04	63	57.6	-	29.49	-	-	87.18
4	241	19.50	-	10.77	-	20.75	53.11	196	33.81	-	52.37	-	59.59	145.77
5		25.30	-	27.47	9.40	8.67	54.94	626	31.16	-	53.72	3.49	1.94	90.31
6	52	16.86	4.17	36.74	7.3	6.06	62.12	1270	0.77	3.03	24.62	1.65	3.38	41.45
7	366	19.67	4.64	36.06	15.05	7.30	65.57	1250	9.72	3.96	21.62	3.47	6.95	45.72
8	240	17.50	7.08	26.67	-	7.50	47.50	6	6.25	1.40	11.05	-	0.66	19.36
9	175	4.57	-	-	-	5.71	10.20	9	0.92	-	-	-	0.58	1.50
10	183	14.21	-	4.37	-	-	14.21		12.45	-	2.16	-	-	14.61
11	133	6.77	-	-	13.53	-	14.29	115	0.24	-	-	1.30	-	1.54
12	106	9.43	-	-	-	7	1	1	3.20	-	-	-	0.7	11.15
13	90	-	-	6.16	-	-	6	1	-	-	6.9	-	-	6.29
14	9	-	-	-	-	-	-	364	-	-	-	-	-	-
all sizes	5946	9.02	1.24	14.60	3.56	7	31.05	1	1	1.16	23.54	1.25	6.28	42.32

* For the size class 0 (landless) actual area has been recorded in column 15 instead of percentage.

TABLE (5)

ESTIMATED NUMBER OF HOUSEHOLDS, AREA OPERATED AND HOUSEHOLD SIZE BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 430

size class of household operational holding (code)	estimated number of households (00)			estimated area operated (0. hectares)			estimated household size		
	sub-sample 1	sub-sample 2	combined	sub-sample 1	sub-sample 2	combined	sub-sample 1	sub-sample 2	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	2110	3832	2971	x	x	x	5.24	5.25	5.27
0.1	1385	3414	2650	x	x	x	x	x	x
0.2	225	413	321	x	x	x	x	x	x
1	27	-	13	5	-	2	7.11	-	7.11
2	-	-	-	-	-	-	-	-	-
3	165	108	136	69	61	65	4.52	4.67	4.59
4	110	164	137	83	141	112	2.99	4.13	3.67
5	333	324	329	520	472	496	4.88	5.56	5.20
6	437	504	470	1105	1204	1194	6.54	6.14	6.34
7	372	459	416	1305	1606	1456	5.93	5.60	5.85
8	291	488	390	1341	2176	1759	7.67	7.12	7.32
9	246	362	304	1340	2032	1686	7.67	6.17	6.70
10	499	299	399	3467	2027	2747	7.46	7.07	7.32
11	115	203	159	1024	1760	1392	7.14	6.64	6.09
12	33	130	82	341	1307	664	13.18	9.05	9.63
13	84	128	106	1244	2019	1632	8.76	6.30	7.20
14	33	36	34	834	952	893	4.53	6.11	5.44
all sizes	4655	7037	5946	12678	15917	14298	6.06	5.77	5.89

TABLE (6) : PERCENTAGE AND CUMULATIVE PERCENTAGE DISTRIBUTION OF HOUSEHOLD AND
 OF THE SIZE CLASS OF HOUSEHOLD OPERATED IN HOUSEHOLD

State : Punjab

Region : Southern

Number of persons per household	Percentage of households	Percentage of households operated	Cumulative percentage of households	Cumulative percentage of households operated
(1)	(2)	(3)	(4)	(5)
0	-	49.97	-	0.00
1	0.25	0.22	0.02	50.19
2	-	-	-	50.19
3	0.58	2.29	0.45	52.48
4	0.82	2.30	0.78	54.78
5	1.51	5.54	3.47	60.25
6	2.54	7.90	6.35	68.22
7	3.50	7.00	10.18	77.00
8	4.51	6.56	12.30	81.10
9	5.55	5.11	11.79	86.10
10	6.88	6.71	19.21	93.60
11	8.77	2.67	9.74	92.17
12	5.54	1.35	6.05	97.63
13	4.40	1.78	11.41	99.43
14	26.26	0.57	6.25	100.00
Total	100.00	100.00	100.00	100.00
Number of households (X)	x	5916	x	
Estimated area operated (in hectares)	x	x	14296	
Area operated per household	4.81	x	x	

TABLE (7) : ESTIMATED NUMBER OF OWNED CATTLE AND OWNED BUFFALOES PER 100 HOUSEHOLDS BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 430

size class of household operational holding (code)	number (0.00) of cattle owned per 100 households						young stock	total
	males over 3 years			females over 3 years				
	working	others	sub-total	in milk	others	sub-total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
0	5.79	1.35	7.14	17.27	21.00	38.27	37.53	83.04
1	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-
3	39.71	-	39.71	47.06	-	47.06	33.08	119.85
4	67.15	-	67.15	20.43	10.22	30.65	55.22	153.02
5	141.03	4.26	145.29	41.03	35.56	76.59	40.43	262.31
6	132.34	12.55	144.89	23.82	41.28	65.10	90.43	300.42
7	154.08	4.33	158.41	43.51	25.72	69.23	93.99	321.63
8	197.69	9.23	206.92	37.44	33.33	70.77	65.64	343.33
9	189.80	16.78	206.58	49.01	35.20	84.21	142.10	432.89
10	171.68	4.01	175.69	47.87	35.34	83.21	86.96	345.06
11	207.55	-	207.55	49.59	31.59	81.28	83.01	374.84
12	298.70	10.98	309.76	102.44	10.97	113.41	157.32	500.49
13	233.02	6.49	241.51	56.49	23.56	82.07	185.85	509.43
14	255.88	47.06	302.94	26.47	73.53	100.00	123.53	526.47
all sizes	83.87	4.51	88.38	29.48	26.03	55.51	62.56	206.47

TABLE (7) (CONFID.) : ESTIMATED NUMBER OF OWNED CATTLE AND OWNED BUFFALOES PER 100

HOUSEHOLD, CATTLE, BUFFALOES, CATTLE AND BUFFALOES

State: Regi: n

vi: r 96. san le us. 23 4

Age	Sex	Number (0.00) of		per 100		Total	a	b
		1-3 yrs	4-6 yrs	1-3 yrs	4-6 yrs			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
				39.19	19.11	58.30	51.15	
1							17.	69
2								
3				35.76	1.18	352.94	46.32	11.
4	36.		5	.7	3.1	1.5	22.70	4.76
5	15.		1.	1.36	20.7	1.11	10.	23.
6	1.		1.	.7	54.2	133.	90.	.9
7	25.		25.2	94.23	44	1.3		1.3
8	17.	2.	17.	1.39	.2	2.	126	
9	1		1	1.6	54.6	1	1	36
10	1		15.2	1.55	67.92	1.17	137.64	342.
				1.17	71.25	225	179.7	41.
	1.		1	2.		273.17	1	45.
13	0.				.4	265.04	171.70	1.
14				1.94	73.53	2.17	21.35	500.02
all sexes		19	0.	0.54	.45	1.	7.	

TABLE (8) : ESTIMATED NUMBER OF OWNED CATTLE AND OWNED BUFFALOES PER 100 HECTARES OF OPERATED AREA BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 439

size class of household operational holding (code)	number (0.00) of cattle owned per 100 hectares of operated area							
	males over 3 years			females over 3 years			young stock	total
	working	others	sub-total	in milk	others	sub-total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
0*	172	40	212	513	624	1137	1118	2467
1	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-
3	83.40	-	83.40	98.84	-	98.84	69.51	251.75
4	82.36	-	82.36	25.08	12.53	37.61	66.25	106.22
5	95.53	2.82	96.35	27.20	23.57	50.77	26.61	173.93
6	52.09	4.94	57.03	9.39	16.23	25.62	35.53	118.23
7	41.03	1.24	45.27	12.43	7.36	19.79	26.86	91.92
8	43.34	2.05	45.89	9.30	7.39	15.69	14.55	76.13
9	34.22	3.01	37.23	8.05	6.35	15.21	25.62	76.06
10	21.93	0.59	25.52	6.94	5.14	12.08	12.63	56.23
11	23.70	-	23.70	5.60	3.95	9.63	9.49	40.02
12	26.34	1.04	29.38	9.71	1.04	10.75	14.92	55.05
13	15.12	0.57	15.69	3.00	1.53	5.33	12.06	33.08
14	9.74	1.00	11.54	1.01	2.79	3.80	4.69	20.03
all sizes	34.09	1.00	36.77	12.26	10.02	23.00	26.02	65.07

* For the size class 0 (operating no land) actual number of cattle/buffaloes has been recorded in columns 2-9 instead of number per 100 hectares of operated area.

TABLE (C) CONTD. : ESTIMATED NUMBER OF OWNED CATTLE AND OWNED BUFFALOES PER 100 HECTARES OF OPERATED AREA, BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State	Punjab		Region : Southern						Rural
number of sample villages :	96		number of sample households : 430						
size class of household operational holding (code)	number (0.00) of buffaloes owned per 100 hectares of operated area						young stock	total	number of cattle and buffaloes owned per 100 hectares of operated area
	males over 3 years			females over 3 years					
	working	others	sub-total	in milk	others	sub-total			
(1)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
0*	14	-	14	1001	526	1669	1025	2700	3175
1	-	-	-	-	576.56	576.56	-	576.56	576.56
2	-	-	-	-	-	-	-	-	-
3	-	-	-	77.22	664.08	741.30	97.31	838.61	1090.36
4	57.30	11.64	68.94	113.72	16.11	129.83	113.69	312.46	498.68
5	10.08	-	10.08	59.25	17.74	76.99	71.14	158.21	332.14
6	5.36	-	5.36	31.31	21.35	52.66	35.58	93.60	211.83
7	7.22	-	7.22	26.93	12.85	39.78	25.82	72.62	164.74
8	3.53	0.44	3.97	27.80	17.57	45.37	28.14	77.48	153.61
9	2.37	-	2.37	18.51	9.83	28.34	22.91	53.62	131.68
10	2.22	-	2.22	17.67	9.86	27.53	20.02	49.77	100.00
11	0.57	-	0.57	16.80	9.04	25.84	20.53	45.94	89.76
12	1.16	-	1.16	23.82	2.08	25.90	15.74	42.80	97.85
13	0.54	-	0.54	13.00	4.27	17.27	11.17	28.98	62.06
14	-	-	-	5.83	2.79	8.62	10.75	19.37	39.40
all sizes	3.41	0.15	3.56	30.12	17.91	48.06	31.48	83.10	168.97

* For the size class 0 (operating no land), actual number of cattle/buffaloes has been recorded in columns 10-18 instead of number per 100 hectares of operated area.

TABLE (9) : PERCENTAGE OF HOUSEHOLDS NOT HAVING WORKING CATTLE AND BUFFALOES BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 430

size class of household operational holding (code)	number of households (00)	percentage of households not having working animals		percentage of households not having any working
		cattle	buffaloes	cattle or buffaloes
(1)	(2)	(3)	(4)	(5)
0	2971	96.40	99.97	96.10
1	13	100.00	100.00	100.00
2	-	-	-	-
3	136	63.97	90.44	63.97
4	137	53.20	76.64	29.93
5	329	27.35	84.50	21.46
6	470	26.00	92.13	20.00
7	416	16.83	76.36	9.69
8	390	4.62	90.77	2.56
9	304	9.87	93.42	6.50
10	399	17.29	68.72	15.29
11	159	5.03	69.31	5.03
12	62	23.17	67.00	23.17
13	106	25.47	91.50	25.47
14	34	-	100.00	-
all sizes.	5946	58.76	93.94	56.32

TABLE (10) : ESTIMATED NUMBER OF LIVESTOCK (OTHER THAN CATTLE AND BUFFALOES) AND POULTRY OWNED PER 100 HOUSEHOLDS BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 430

size class of households operational holding (code)	number owned per 100 households								
	sheep	goats	horses & ponies	mules	donkeys	camels	other draught animals	pigs	poultry
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	21.68	75.09	0.47	-	3.50	-	-	21.90	37.27
1	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-
3	-	102.94	-	-	-	-	-	-	-
4	-	20.44	-	-	-	-	-	-	14.60
5	-	8.51	-	-	-	2.43	-	-	176.42
6	-	21.28	-	-	-	10.21	-	-	128.94
7	-	36.54	-	-	-	20.43	-	-	73.56
8	104.10	20.51	-	-	3.33	16.92	-	-	62.05
9	-	32.24	-	-	-	12.17	-	-	456.25
10	-	24.31	-	-	-	32.33	-	-	82.20
11	5.66	22.01	-	-	-	28.30	-	-	138.93
12	-	9.76	-	-	-	21.95	-	10.98	525.61
13	-	39.62	8.49	-	-	58.49	-	-	277.36
14	26.47	-	26.47	-	-	76.47	-	-	176.47
all sizes	17.96	51.11	0.54	-	1.97	8.81	-	11.13	104.00

TABLE (11) : ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED PER 100 HOUSEHOLDS BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDINGS

Stat. : Punjab

Region : Southern

Total

number of sample villages : 96

number of sample households : 150

size class of households operational holding (code)	number (0.00) of agricultural machinery owned per 100 households											
	plough wooden	plough iron	harrows	seed drills	sprayers	duster	tractors					H.P. not available
							less than 10 H.P.	10-14 H.P.	15-19 H.P.	20 H.P. & above	H.P. not available	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
0	2.69	3.57	1.35	0.88	-	-	-	-	-	-	-	
1	-	-	-	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	-	-	-	
3	26.47	26.47	6.62	-	-	-	-	-	-	-	-	
4	56.93	70.07	62.77	-	-	-	-	-	-	-	-	
5	60.79	86.75	24.62	9.73	-	2.74	-	-	-	-	-	
6	92.76	116.17	44.25	7.66	-	-	-	-	-	-	-	
7	102.16	115.62	47.12	14.90	-	-	0.72	0.72	-	-	-	
8	106.15	142.56	60.72	12.56	-	-	-	-	-	3.33	-	
9	85.22	122.37	56.91	16.12	2.96	-	-	-	-	3.20	-	
10	116.29	132.33	71.43	27.57	-	0.50	-	0.50	-	2.00	-	
11	122.64	181.13	81.76	21.38	11.32	-	5.66	5.66	-	10.69	-	
12	132.93	143.90	50.54	-	21.95	-	-	-	-	21.95	-	
13	138.68	238.68	73.58	74.53	15.09	-	-	-	-	33.01	-	
14	261.77	258.82	26.17	26.47	-	-	-	-	-	26.17	-	
all sizes	49.21	63.24	27.09	8.17	1.02	0.18	0.20	0.24	-	1.95	-	

TABLE (11) CONTD. : ESTIMATED NUMBER OF AGRICULTURAL MACHINERY OWNED BY 100 HOUSEHOLDS BASED UPON LIST OF HOUSEHOLDS IN THE AREA

size of household	no. of threshers	number of threshers		number of pump	number of cane	number of oil	number of other
		(14)	(15)				
(1)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
0	-	-	5.28	-	0.88	-	57.
1	-	-	-	-	-	-	523.
2	-	-	-	-	-	-	-
3	-	-	-	-	-	-	165.
4	2.91	2.91	-	-	-	-	110.0
5	1.22	5.1	7.9	-	1.22	-	10.
6	4.68	-	10.64	0.85	6.60	-	1682.34
7	3.37	1.44	18.27	-	1.44	-	906.
8	13.59	4.10	32.05	-	-	-	1062.0.
9	6.49	9.54	36.18	-	4.2	2.05	1164.
10	10.03	1.50	30.60	-	0.25	-	1163.66
11	21.30	11.32	44.05	-	5.03	2.00	-
12	21.95	20.73	43.90	-	10.98	10.98	10.1
13	57.55	42.45	73.58	7.55	8.49	-	1525.42
14	23.53	-	23.53	-	-	-	1070.4.
all sizes	4.79	2.66	14.9	0.20	1.80	0.12	570.

TABLE. (12)

ESTIMATED NUMBER OF AGRICULTURAL MACHINERY PER 100 HECTARES OF OPERATED AREA
AND AREA OPERATED PER TRACTOR BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 430

size class of household operational holding (acre)	estimated number (0.00) of agricultural machinery per 100 hectares of operated area				estimated area operated per tractor (0.00 hectares)						
	ploughs wooden	ploughs iron	harrows	seed drills	less than 10 h.p.	10-14 h.p.	15-19 h.p.	20 h.p. & more	h.p. not available	all	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-
3	55.60	55.60	13.89	-	-	-	-	-	-	-	-
4	69.63	85.94	77.00	-	-	-	-	-	-	-	-
5	40.30	58.86	16.33	6.45	-	-	-	-	-	-	-
6	36.50	45.71	17.42	3.01	-	-	-	-	-	-	-
7	29.21	33.04	13.47	4.25	6.09	6.09	-	-	-	6.09	
8	23.55	31.60	15.25	2.79	-	-	-	6.16	-	6.16	
9	15.00	22.07	10.25	2.92	-	-	-	9.47	-	9.47	
10	16.90	19.22	10.38	4.00	-	30.55	-	14.52	-	17.72	
11	11.01	20.66	9.34	2.45	7.87	7.87	-	9.02	-	8.43	
12	12.60	15.64	5.56	-	-	-	-	10.77	-	10.77	
13	6.99	15.49	4.77	4.04	-	-	-	17.44	-	17.44	
14	9.96	9.86	1.01	1.01	-	-	-	26.35	-	26.35	
all sizes	20.46	26.29	11.27	3.41	7.92	11.16	-	13.51	-	12.78	

TABLE (13) : PERCENTAGE OF HOUSEHOLDS REPORTING PUMPS AND PLOUGHS
BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 470

size class of household operational holding (code)	number of households (no)	percentage of households reporting					
		ploughs		neither wooden nor iron plough	electric	pumps	
(1)	(2)	wooden	iron			(5)	(6)
0	2971	3.16	4.04	95.05	-	3.86	-
1	13	-	-	100.00	-	-	-
2	-	-	-	-	-	-	-
3	136	26.47	26.47	73.53	-	-	-
4	137	43.80	70.07	29.93	13.14	-	-
5	329	62.69	63.83	23.40	9.73	6.87	-
6	470	74.26	92.98	2.98	-	24.04	1.70
7	416	85.10	60.70	-	1.92	32.45	-
8	390	82.31	100.00	-	3.35	35.64	-
9	304	72.37	88.15	2.63	11.18	30.62	-
10	399	73.20	90.48	2.26	4.01	15.01	-
11	159	77.99	100.00	-	11.32	50.31	-
12	82	76.83	76.83	10.90	21.95	43.90	-
13	106	73.53	100.00	-	25.47	51.09	7.55
14	34	100.00	100.00	-	-	23.53	-
all sizes	5946	38.19	42.55	52.05	3.13	13.32	0.27

TABLE (14)

ESTIMATED NUMBER OF DIFFERENT NON-FARM BUSINESS EQUIPMENTS OWNED
PER 100 HOUSEHOLDS BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 430

size class of household operational holding: (code)	number (0.00) of non-farm business equipments owned per 100 households										
	handlooms	semi-automatic and power looms	spinning, pressing and baling equipments	reels, bobbins and other accessories used in spinning & weaving	spinnis	oil-mills (power driven)	rice milling and pounding equipments	flour milling and grinding equipments	sewing machines	other tailoring equipments	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
0	-	-	-	4.36	-	-	-	-	4.24	-	
1	-	-	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	-	-	
3	-	-	-	103.68	-	-	-	-	20.59	70.59	
4	-	-	-	-	-	-	-	-	-	-	
5	-	-	-	-	-	-	-	-	-	-	
6	-	-	-	-	-	-	-	-	-	-	
7	-	-	-	-	-	-	-	-	-	-	
8	-	-	-	-	-	-	-	-	-	-	
9	-	-	-	-	-	-	-	-	-	-	
10	-	-	-	-	-	-	-	-	-	-	
11	-	-	-	-	-	-	-	-	-	-	
12	-	-	-	-	-	-	-	-	-	-	
13	-	-	-	-	-	-	-	-	-	-	
14	-	-	-	-	-	-	-	-	-	-	
all sizes	-	-	-	4.56	-	-	-	-	2.59	1.61	

TABLE (14) CONFD. :

ESTIMATED NUMBER OF DIFFERENT NON-FARM BUSINESS EQUIPMENTS OWNED
PER 100 HOUSEHOLDS BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 430

size class of households operational holding (code)	number (0.00) of non-farm business equipments owned per 100 households													
	sewage manually operated	sewage power driven	lathes	casting, melting welding equipments	furnance, ool- lows & other equipments in smithy shop	kilns	potter's stovels	scales, weights & measures	fishing nets & accessories	musical instruments	electric motors	oil engines	other equipments	
(1)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
0	-	-	-	4.75	157.99	-	-	50.99	-	-	-	-	40.55	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	
2	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	-	-	-	-	-	-	-	-	-	-	-	-	-	
7	-	-	-	-	-	-	-	-	-	-	-	-	36.54	
8	-	-	-	-	-	-	-	12.05	-	-	-	-	-	
9	-	-	-	-	-	-	-	-	-	-	-	-	-	
10	-	-	-	-	-	-	-	1.50	-	-	-	-	-	
11	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	-	-	-	-	-	-	-	-	-	-	-	-	-	
13	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	-	-	-	-	-	-	-	-	-	-	-	-	-	
all sizes	-	-	-	2.37	78.94	-	-	26.37	-	-	-	-	22.81	

TABLE (15)

ESTIMATED NUMBER OF TRANSPORT EQUIPMENTS OWNED PER 100 HOUSEHOLDS BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 430

size class of households operational holding (cads)	number (0.00) of transport equipments owned per 100 households								
	boats	motor cars	carts	bicycles	motor cycles/ scooters	trucks	trailers	passenger buses	others
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-	-	2.22	41.80	-	-	-	-	7.98
1	-	-	-	100.00	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-
3	-	-	-	20.59	-	-	-	-	-
4	-	-	6.57	20.44	-	-	-	-	-
5	-	-	21.58	51.93	-	-	-	-	-
6	-	-	24.60	35.96	-	-	-	-	-
7	-	-	37.50	35.58	-	-	0.48	-	-
8	-	-	47.95	65.90	-	-	-	-	-
9	-	-	47.70	61.18	-	-	-	-	-
10	-	-	40.35	48.37	-	-	2.26	-	-
11	-	-	67.92	50.31	-	-	5.03	-	-
12	-	-	54.87	95.12	-	-	10.90	-	-
13	-	-	49.06	83.01	-	-	24.53	-	-
14	-	-	88.24	30.23	23.52	-	23.53	-	-
all sizes	-	-	19.27	45.31	0.13	-	1.04	-	3.98

TABLE (16) : PERCENTAGE OF SHARES OF VALUE OF OWNED (i) CATTLE (ii) BUFFALOES (iii) OTHER LIVESTOCK (iv) AGRICULTURAL MACHINERY (v) NON-FARM BUSINESS EQUIPMENTS (vi) TRANSPORT EQUIPMENTS IN THE TOTAL VALUE OF ALL THE SIX ASSET GROUPS BY SIZE CLASS OF HOUSEHOLD OPERATIONAL HOLDING

State : Punjab		Region : Southern				Rural			
number of sample villages : 96		number of sample households 430							
size class of household operational holding (code)	total value of six asset groups (Rs.00)	value of asset per 100 households (Rs.00)	value of assets per 100 hectares of operated area (Rs.00)	percentage shares of value of owned					
				cattle	buffaloes	other live-stock	agricultural machinery	non-farm business equipments	transport equipments
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	2313890	77882	2313890*	18.75	52.87	11.88	4.74	2.72	2.09
1	9310	71515	465500	-	24.68	-	0.59	-	14.73
2	-	-	-	-	-	-	-	-	-
3	490021	360310	753878	10.06	82.06	2.56	0.85	3.04	0.63
4	230011	173731	212510	26.84	58.07	1.24	10.14	-	3.71
5	822734	250071	165874	27.42	47.88	0.21	8.87	-	7.62
6	1522401	323915	127504	34.04	31.52	2.82	22.33	-	9.29
7	1621554	389797	111370	33.24	30.60	5.00	22.70	0.06	8.40
8	2327558	596810	132323	26.70	32.07	3.22	27.33	0.19	8.49
9	1972467	648830	116991	27.64	23.94	1.65	39.00	-	7.77
10	2265419	567774	62469	24.05	29.94	4.09	35.11	0.60	6.21
11	1407995	885531	101149	19.25	23.06	2.62	48.18	-	6.89
12	922170	1124598	106733	19.15	19.65	2.30	54.24	-	4.50
13	1885725	1778906	115547	10.29	16.16	4.30	57.51	-	11.74
14	507394	1492335	56819	16.48	16.06	30.25	21.45	-	15.76
all sizes	10306649	307882	128036	23.55	32.42	5.33	30.00	0.53	8.17

For the size class 0 actual value of asset (Rs.00) is recorded in col.4 instead of value asset per 100 hectares of operated area.

TABLE (17) : ESTIMATED NUMBER OF OPERATIONAL HOLDINGS AND AREA OPERATED
BY SIZE CLASS OF OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 36

number of sample households : 430

size class of operational holding (code)	estimated number of operational holdings (00)			estimated area operated (00 hectares)		
	sub-sample 1	sub-sample 2	combined	sub-sample 1	sub-sample 2	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	27	-	14	5	-	2
2	-	-	-	-	-	-
3	138	108	123	58	61	60
4	110	164	137	83	141	112
5	341	288	315	487	421	454
6	421	432	425	1066	1086	1076
7	339	440	389	1122	1534	1398
8	299	488	394	1379	2175	1777
9	237	389	313	1287	2178	1753
10	473	308	390	3305	2099	2703
11	84	203	144	741	1760	1251
12	33	139	86	342	1490	916
13	125	128	126	1871	2019	1945
14	37	37	37	931	952	941
all sizes	2664	3124	2894	12678	15917	14298

TABLE (18) : PERCENTAGE AND CUMULATIVE PERCENTAGE DISTRIBUTION OF OPERATIONAL HOLDINGS AND AREA OPERATED BY SIZE CLASS OF OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 430

size class of operational holding (code)	average area of an operational holding (hectares)	percentage of		cumulative percentage of	
		operational holdings	area operated	operational holdings	area operated
(1)	(2)	(3)	(4)	(5)	(6)
1	0.14	0.48	0.01	0.48	0.01
2	-	-	-	0.48	0.01
3	0.49	4.25	1.42	4.73	0.43
4	0.82	4.73	3.76	9.46	1.21
5	1.44	10.83	5.18	20.31	6.39
6	2.52	14.72	7.53	35.06	11.92
7	3.41	13.44	9.29	48.50	21.21
8	4.51	13.62	12.43	62.12	33.64
9	5.34	10.82	12.12	72.94	45.76
10	6.93	13.48	18.90	86.42	64.66
11	8.69	4.98	6.75	91.40	71.41
12	10.65	2.97	6.41	94.37	79.82
13	15.44	4.35	13.60	98.72	93.42
14	25.43	1.28	6.58	100.00	100.00
all sizes	4.94	100.00	100.00		
estimated number of opera- tional holdings (00)	x	2894	x		
estimated area operated (00 hectares)	x	x	14298		

TABLE (19) : PERCENTAGE OF HOLDINGS REPORTING OWNED AREAS AND THOSE REPORTING LEASED IN AREAS AND PERCENTAGE OF OPERATED AREA OWNED AND LEASED IN UNDER DIFFERENT TERMS OF LEASING IN BY SIZE CLASS OF OPERATIONAL HOLDING

State : Punjab		Region : Southern						Rural
number of sample villages : 96			number of sample households : 450					
size class of operational holding (code)	estimated number of holdings (00)	percentage of holdings reporting owned area	percentage of holdings reporting leased in area					
			for fixed money	for fixed produce	for share of produce	under usufructuary mortgage	other terms	under any term
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	14	100.00	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-
3	123	100.00	-	-	11.38	-	-	11.38
4	137	92.70	17.52	-	-	-	-	17.52
5	315	85.40	12.70	10.16	13.97	5.71	13.02	55.24
6	426	93.90	15.73	-	41.32	-	15.43	72.54
7	389	92.80	16.45	2.06	43.19	2.57	7.71	71.98
8	394	100.00	25.38	2.03	29.18	7.11	5.00	63.96
9	313	100.00	16.61	10.86	26.20	9.58	14.06	64.22
10	390	80.97	19.49	6.67	31.28	4.36	8.97	61.28
11	144	100.00	18.75	6.25	18.75	26.39	6.25	56.94
12	36	100.00	9.30	-	11.63	15.12	11.63	36.05
13	126	93.65	26.19	-	13.49	-	-	39.68
14	37	72.97	24.32	-	27.03	-	29.73	01.08
all sizes	2694	94.09	17.20	4.04	27.12	5.32	9.19	50.26

TABLE (19) CONTD. : PERCENTAGE OF HOLDINGS REPORTING OWNED AREAS AND THOSE REPORTING LEASED AREAS AND PERCENTAGE OF OPERATED AREA OWNED AND LEASED IN UNDER DIFFERENT TERMS OF LEASING IN BY SIZE CLASS OF OPERATIONAL HOLDINGS

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 430

size class of operational holding (code)	estimated area operated (00 hectares)	percentage of operated area						
		owned	leased in					total
			for fixed money	for fixed produce	for share of produce	under usufructuary mortgage	other terms	
(1)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	2	100.00						
2	-	-						
3	60	90.48			9.52			9.52
4	112	84.06	15.94					15.94
5	454	56.11	7.85	10.44	15.97	3.21	6.42	43.89
6	1076	58.18	5.60		27.19		9.03	41.82
7	1328	57.77	8.32	0.61	26.99	0.61	5.70	42.23
8	1777	74.34	9.59	0.73	10.15	1.23	3.96	25.66
9	1733	72.93	4.04	4.95	11.89	0.72	5.47	27.07
10	2703	63.98	8.26	3.77	17.76	0.70	5.53	36.02
11	1251	73.98	2.56	3.72	12.88	2.36	4.50	26.02
12	916	84.10	8.04		4.95	2.03	0.88	15.90
13	1945	84.71	8.67		6.62			15.29
14	941	50.69	26.78		12.30		10.23	49.31
all sizes	14298	69.47	8.49	2.12	14.31	0.87	4.73	30.52

TABLE (20) : PERCENTAGE OF INDIVIDUAL AND JOINT OPERATIONAL HOLDINGS AND THEIR PERCENTAGE SHARES OF AREA OPERATED BY SIZE CLASS OF OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 430

size class of operational holding (code)	number of operational holdings(00)	percentage of holdings		area operated (00 hectares)	percentage of area operated	
		individual	joint		individually	jointly
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	14	00.00	-	2	100.00	-
2	-	-	-	-	-	-
3	123	00.00	-	60	100.00	-
4	137	00.00	-	112	100.00	-
5	315	96.19	3.81	454	95.54	4.46
6	426	00.00	-	1076	00.00	-
7	389	00.00	-	1328	00.00	-
8	394	98.98	1.02	1777	98.93	1.07
9	313	94.25	5.75	1733	94.51	5.49
10	390	95.90	4.10	2703	95.28	4.72
11	144	00.00	-	1251	00.00	-
12	86	95.35	4.65	916	94.35	5.65
13	126	84.13	15.87	1945	83.88	16.12
14	37	94.59	5.41	941	94.60	5.20
all sizes	2894	97.37	2.63	14298	95.27	4.73

TABLE (21) : AVERAGE NUMBER OF ATTACHED FARM WORKERS PER OPERATIONAL HOLDING (REPORTING)
FOR DIFFERENT MAJOR AGRICULTURAL SEASONS BY SIZE CLASS OF OPERATIONAL HOLDING

State : Punjab

Region : Southern

Rural

number of sample villages : 96

number of sample households : 430

size class of operational holding (code)	number of holdings (00)	percentage of holdings repor- ting attached farm workers	average number of farm workers as per reporting holding during major crop season	average number of farm workers per re- porting holding during major crop season				
				autumn	winter	spring	summer	perennial
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	14	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-
3	123	11.38	1.00	-	-	1.00	-	-
4	137	-	-	-	-	-	-	-
5	315	12.70	1.85	1.00	-	2.31	-	-
6	426	15.02	1.86	1.00	-	2.10	-	-
7	389	23.14	1.47	1.00	-	1.60	-	-
8	394	33.76	1.74	3.17	1.00	1.22	-	-
9	313	31.63	1.88	3.03	-	1.34	-	-
10	390	39.74	2.01	3.23	-	1.66	-	-
11	144	49.31	1.75	1.75	-	1.74	-	-
12	86	62.79	2.15	-	-	2.15	-	-
13	126	73.02	2.49	2.50	-	2.49	-	-
14	37	70.27	3.23	-	-	3.23	-	-
all sizes	2894	28.96	1.94	2.34	1.00	1.82	-	-