

Agricultural Tenancy in Contemporary India

An Analytical Report and
A Compendium of Statistical Tables
based on NSSO Surveys of Land and Livestock Holdings

Vaishali Bansal
Yoshifumi Usami
Vikas Rawal

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Preface

Our research on agricultural tenancy, of which this volume is the outcome, involved a detailed assessment of the 48th (1991-92), 59th (2002-03) and 70th (2012-13) rounds of the NSSO Surveys of Land and Livestock Holdings (NSSO-SLLH). This assessment included detailed household-by-household corrections to remove a number of inconsistencies in the data. The corrected data are being released for public use along with this volume.

There are three main findings of the analysis of agricultural tenancy in the report. First, there has been a significant increase in the incidence of tenancy between 2002–03 and 2012–13. While there are considerable variations in levels and trends across States and regions, the trends over this decade were in a sharp contrast with the decline in tenancy seen in the NSS data for the preceding three decades. Secondly, the data suggest that landless poor households are increasingly marginalised in tenancy markets as a substantial part of land is leased by large, resource-rich households. Thirdly, the data show that there has been an increase in the share of land leased on fixed-rent tenancy contracts, and in particular, on fixed-rent contracts with payment of rent in the form of money. An increasing participation of large, resource-rich tenants marginalises poor from the lease market and forces them to accept more onerous terms of contracts.

Our assessment of the NSSO Surveys of Land and Livestock Holdings point to the need for NSSO to conduct an integrated survey of agrarian conditions in which comprehensive data on land, land use, production, labour deployment, input use and investment are collected from the same sample of households. In the current scheme of NSSO surveys, crucial aspects of the agrarian economy are captured in different survey schedules, canvassed to different samples of households. There are also other important problems with the design of these surveys which ought to be paid attention.

The second part of this volume presents a detailed compendium of statistical tables on landholdings. A set of 35 tables are provided for twenty most populous States for which survey data were available. In case of States where number of sample observations was substantial, six additional tables are provided for each region of the State.

Recently, the Haque Committee has recommended that agricultural tenancy be freed of all state regulation. Analysis of the NSSO-SLLH data presented in this volume point at continued relevance of state regulation of agricultural tenancy in favour of poor tenants. Although tenancy reform legislation have not been effectively implemented except in a few States, a withdrawal of these regulations would only work to further marginalise poor tenants.

New Delhi
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Vaishali Bansal
Yoshifumi Usami
Vikas Rawal

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This report is an outcome of a two years long effort of a research team that included, apart from us, Jesim Pais, Prachi Bansal and Sonia.

Unit-level data from three rounds of NSSO Land and Livestock Holdings Surveys were corrected by Sonia under overall supervision by Jesim Pais and Vaishali Bansal. Authors are particularly indebted to Sonia for her meticulous work on the household-level data.

Jesim and Prachi provided valuable inputs at various stages of the analysis. They were subjected to repeated presentations of the work and were made to read several drafts. Their suggestions have been crucial to the final outcome.

Early drafts of the work were presented in the S. R. Sankaran Chair National Seminar on Land Market and Rural Poor (Hyderabad, January 18–19, 2018) and the Sam Moyo Memorial Conference on Land and Labour Questions in the Global South (New Delhi, February 21–23, 2018). We are thankful to participants of these conferences for their comments.

While we have benefited from the contributions of many, we remain solely responsible for any errors in the analysis.

Vaishali Bansal
Yoshifumi Usami
Vikas Rawal

Part I

Agricultural Tenancy in Contemporary India

Agricultural Tenancy in Contemporary India

1 Introduction

The problem of tenancy — informal, insecure, exploitative, and often unfree and interlocked contracts for leasing land that have been both growth-retarding and unjust — has been central to the agrarian question in India. Along with an uneven and distorted penetration of capitalist relations in the Indian countryside, there have been significant changes in the extent of use of tenancy, in the class configuration of tenants and lessors, and in the form of tenancy contracts over the last few decades. With the state unwilling to effectively implement land reforms in most parts of India, tenancy relations have continued to be informal, exploitative and embedded in socio-economic power relations.

Over the last three decades, the Indian state has become increasingly hostile to the idea of using land reforms as a tool for bringing about progressive agrarian change. Under a neoliberal regime, not only has the state discarded the agenda of redistributive land reforms and tenancy regulation, the focus of state policy has shifted to ensuring free and unrestricted functioning of land markets. In the neoclassical tradition, contemporary positions on tenancy range from considering tenancy (and thus, tenancy reforms) as a marginal aspect of land relations to treating state-led tenancy reforms as a cause of prevalence of insecure tenancy. Recently, the Haque Committee has recommended that tenancy markets be freed from any state regulation (Haque Committee, 2016). The committee argued that restrictions on leasing of land have resulted in inefficient utilisation of land, and have worked against the interests of small landowners. It has proposed that liberalising tenancy markets would allow owners of small, uneconomic holdings to lease out their lands to large landowners, and move to other occupations. Creating a way for small and marginal farmers to leave agriculture, through promotion of reverse tenancy, and thus aiming to reduce the size of agricultural workforce, is also a centrepiece of the present government's strategy to double farmers' income (Dalwai Committee, 2018).

The objective of this paper is not to contribute to the debate on the importance of state-led tenancy reforms or to critique the neoliberal prescriptions for freeing tenancy markets. Based on an understanding that the problem of tenancy is an important part of the agrarian question in India, this paper is written with a limited objective of presenting a careful and comprehensive analysis of trends and regional variations in incidence

of agricultural tenancy over the last two decades. The paper also attempts to provide an assessment of class and caste position of tenants in different parts of India, and throw some light on the changes in the relative importance of different types of tenancy contracts.

The paper uses detailed unit-level data from the 48th (1991–92), 59th (2002–03) and 70th (2012–13) rounds of the NSS Land and Livestock Surveys. While secondary data on tenancy are very problematic, and leave much to be desired, of what is available, NSS Surveys of Land and Livestock Holdings (NSSO-SLLH) are the most detailed. This paper is an outcome of two years of work that involved an assessment of the NSSO-SLLH data, correcting unit-level NSSO-SLLH data to remove a large number of inconsistencies, and a detailed analysis of the data.

The paper is organised as follows. Section 2 discusses the data and their limitations. It describes the nature of inconsistencies in data and how we corrected them. In Section 3, we present a discussion of trends and patterns of variation of incidence of tenancy in different parts of India. We then go on to discuss the class and caste (Section 5) position of tenants in different States, and to throw some light on relative position of tenants and lessors. And finally, we discuss the changes in the types of tenancy contract in different parts of India (Section 6).

2 Data and Methodological Issues

This paper is primarily based on data from three rounds of the NSSO's Surveys of Land and Livestock Holdings (NSSO-SLLH). All estimates presented in the paper refer only to rural households. NSSO's Surveys of Land and Livestock Holdings (Schedule 18.1) provide the most detailed and nationally-representative statistics on land relations in India. The surveys, conducted decennially, involve collection of detailed plot-by-plot data on land owned and/or possessed. Plot-wise data include information on tenurial status, land use and access to irrigation. As part of these surveys, each sample household is visited twice during the survey year; in each visit, information on the status of landholdings is collected for the preceding six months.

There are four main limitations of the landholdings data from the NSSO-SLLH.

First, while the surveys collect dis-aggregated plot by plot data, no information is collected on a number of crucial aspects. There is no information on sale and

purchase of land, or on its market value. Apart from very limited information on land use, the surveys do not collect any data on what is done on the land. There are no data on production, labour use or investment on land. There is no information on lessors from whom tenants lease-in land, or on tenants to whom lessors lease out. There is no information even on the rent of leased-in and leased-out land. There is no attempt to capture interlocking of tenancy markets with other markets.

Secondly, data suffer from under-reporting of landownership and tenancy, particularly by large landowners. In contrast with the findings of primary data-based studies, NSSO-SLLH do not correctly capture landholdings of big landowners and cultivators. Also, a comparison of data on leasing in and leasing out from NSSO-SLLH suggests that lessors under-report incidence of tenancy more than the tenants (Sawant, 1991).

Thirdly, the estimates of total operated area from the NSSO-SLLH are considerably lower than the total operated area reported in the agricultural censuses and the estimate of net sown area for the country (Table 1; also see Kumar, 2016). The gap between the estimate of operated area from NSSO-SLLH and the estimate of net sown area from land use statistics has grown over the years, and was particularly high in case of the 2012–13 survey. The estimate of total operated area from the 70th round survey for 2012–13 was only 58 per cent of total operated area reported in the Agricultural Census of 2010–11 and 66 per cent of the net sown area for 2012–13. This large discrepancy could be on account of under-reporting of land as well as because of sampling and other non-sampling errors. It is noteworthy that, for all surveys prior to the 70th round, estimates of number of households from the NSSO surveys were very close (and always marginally higher) to the number of households counted in the population censuses. In the 70th round survey, the estimate of number of households from the NSSO-SLLH was 7 per cent lower than the number of households counted in the population census of 2011. This suggests that, in addition to the problems of under-reporting by respondents, incomplete house-listing and problems of sampling may also be contributing to the increasing underestimation of total operated area in NSSO-SLLH. Given that the NSSO does not release detailed house-listing data from sampled villages, it is not possible to estimate the extent to which the discrepancy in estimates of total operated area may be on account of errors in house-listing and sampling.

Fourthly, a detailed examination of unit-level data from the 48th, 59th and 70th round surveys showed that there are many gaps and inconsistencies in recording

information. For example, in the 48th round survey, information on land use, irrigation and type of tenancy contract was not recorded for all the plots. For each household, in each visit, the investigators recorded, in the last row of the Block on plot-wise information, an additional entry with plot number 99 and enter sum of area of all the listed plots in it. In the 59th round, the totals reported in this row of data were incorrect for many households. In the 59th and 70th rounds, plot numbers were not always consistently recorded, resulting in mismatching of plots between the two visits.

Although we have corrected many of the inconsistencies of data recording, basic limitations of the surveys remain, and must be borne in mind in analysis and interpretation of results based on NSSO-SLLH data.

In this report, although estimates for India as a whole include all sample observations, State-level estimates are not provided separately for those States for which sample observations were too few.

Computing operational holdings of sample households
Household operational holding is estimated as sum of all the land possessed by a household during major part of the reference year either by way of ownership or through leases and mortgages or in any other way (including land occupied without any formal or informal contract). Since each round of NSSO-SLLH comprises two visits to the sample households, computing operational holding for the reference year requires combining plot-wise data from both the visits.

In the 48th round survey, data from the two visits were combined by the investigators themselves in Block 14 of the Schedule for the second visit to get the annual operational holding.¹ However, an examination of unit-level data showed that, for 2750 sample plots in this block, the area of land possessed computed using plot-wise information on area owned, area leased-out, area leased-in and area otherwise possessed did not match with operated area reported in the same block. In most such cases, we were able to correct these discrepancies using data provided in other blocks of Visit 1 and 2.

However, in the 59th and the 70th rounds, investigators only reported plot-by-plot data separately for the two visits. Unlike in the 48th round, they were not required to compute annual operational holding at the time of the second visit. In the 59th round, no method for combining data from the two visits to estimate annual operational holding was specified either in the instruction manuals of the survey or in the NSSO report of the survey. The NSSO report on operational holdings of land based on the 59th round survey (NSSO, 2006) dealt with operational holding in the two visits (seasons) separately. For the 70th round survey, the instruction manual of the survey specified

¹Block 14 of the schedule for the second visit, titled “particulars of plots constituting the operational holding no. _ for agricultural year 1991–92 (possessed for major part of the agricultural year 91–92), if joint, no. of partner households _”, included “all the plots, or parts of plots, coming under the purview of the holding and possessed by operating household(s) for the major part of the agricultural year” (NSSO, 1992a).

Table 1. Comparison of NSSO-SLLH estimates of total operated area and number of rural households with data from land use statistics and population censuses, India

Year of NSSO survey	Number of rural households (millions)		Total operated area (million hectares)		Net sown area (million hectares)
	(NSSO-SLLH) ¹	(Census of India) ²	(NSSO-SLLH) ¹	(Agricultural Census) ³	(Land use statistics) ⁴
1971–72	100.6	100.2	130.1	162.1	139.7
1981–82	93.9	93.8	116.5	163.8	139.4
1991–92	115.9	111.6	124.6	165.5	140.9
2002–03	147.8	138.3	107.6	159.4	140.7
2012–13	156.1	168.6	92.4	159.2	141.0

Notes:

- Data on number of households from the population censuses are for 1971, 1981, 1991, 2001 and 2011.
- Population census was not conducted in Assam in 1981 and in Jammu and Kashmir in 1991. For the sake of comparability across sources, data for Assam were excluded from all the estimates for 1981–82, and data for Jammu and Kashmir were excluded from all the estimates for 1991–92.
- Agricultural Census data are for 1970–71, 1980–81, 1990–91, 2000–01 and 2010–11.

Sources:

1. NSSO (1986, 1987) for 1971–72 and 1981–82; computed using unit-level data for 1991–92, 2002–03 and 2012–13.
2. Primary Census Abstracts of different Censuses.
3. Various volumes of Agricultural Censuses.
4. Various volumes of Agricultural Statistics at a Glance.

following steps, to be used at the time of analysis, to combine data from the two visits to compute annual operational holding (NSSO, 2013, p. C-27).

1. All plots of land on which some agricultural production was undertaken in any of the two visits were identified.²
2. For households which possessed at least one such plot on which agricultural production was undertaken in any of the two visits, all plots of land recorded in the two visits were matched using the unique plot numbers.
3. In cases where area recorded for the same plot number was different in the two visits, higher of the two values recorded for area was considered as area of the plot. For plots that were recorded as possessed in only one of the visits, the area recorded in that visit was considered as area of the plot.

To keep the estimates consistent, we used this method for combining data from the two visits for both the 59th and the 70th rounds.

In the NSSO-SLLH rounds, plot-wise data across the two visits are supposed to be kept consistent by using a unique plot number to identify each plot of a household. This plot number is designed to remain

unchanged between the two visits of a round even if the status of possession, land use and, in some cases, even the area of a plot changes between the two visits (say, on account of partitioning of a plot during the year). This unique plot number is key for combining data from the two visits. An examination of the plot-wise data, however, showed that, in both 59th and 70th round data, there were cases in which plot numbers were wrongly recorded in the second visit resulting in errors in matching of information from the two visits. While in several cases, it is impossible to ascertain that the changes are a result of errors of recording and not on account of actual changes in the landholding of the household, in many other cases, it could be said beyond reasonable doubt that there had been an error in recording the plot numbers. Such cases were corrected.

Implementing NSSO's method of combining data from two visits without making these corrections results in over-estimation of household operational holding because, for plots where areas reported in two visits do not match, higher of the two reported areas is always taken to be the area of the plot.

It may also be noted that none of the three rounds of NSSO-SLLH have a clear methodology for recording plot numbers consistently when a plot is partitioned between Visit 1 and 2, or when two plots

²Agricultural production includes growing of field crops (including fodder crops), fruits, grapes, nuts, seeds, seedlings in the nurseries, bulbs, vegetables, flowers, production of plantation crops, production on forest lands, and production of livestock and livestock products, poultry and poultry products, fish, honey, rabbits, fur-bearing animals and silk-worm cocoons (NSSO, 2013).

in Visit 1 are consolidated into a single plot in Visit 2. In such cases, data are inconsistently recorded, without even a uniformly applied practice, resulting in a miscalculation of total operated area. In cases where it was clear that the plots had been partitioned or consolidated, we introduced a new common plot number for all the fragments of a plot and added a new variable, a sub plot number, to identify each fragment. This allowed us to properly deal with plots that were partitioned, or combined into one, when data were recorded in the second visit.

In NSSO reports based on the NSSO-SLLH, household operational holding is defined to include all plots of households that cultivate some land. These include homestead land and plots used for other non-agricultural purposes. Since the focus of our analysis is on productive land, we have excluded homestead land from the definition of household operational holding. It may be noted that, unlike in the later surveys, homestead plots in the 48th round survey were not divided between area used for homestead cultivation and area used for housing (Rawal, 2008). As a result, we excluded the entire homestead land from agricultural operational holding for the 48th round.

To avoid bias in the estimates of tenancy and of operated area, in situations where status of possession of a particular plot was different in the two visits, we equally divided the area of plot between the two statuses of possession. For example, if the status of possession of a plot was “leased-in” in one visit but something else in the other, in the estimation of household operational holding for the reference year, we considered only half the area of the plot to have been leased in for the entire agricultural year.

3 Increasing Incidence of Tenancy

The most important finding from our analysis of the NSSO-SLLH data is that, at the all-India level, there was a significant increase in the incidence of tenancy between 2002–03 and 2012–13.

In Table 2, we have compiled estimates given in NSSO reports for the 26th and 37th rounds of NSSO-SLLH surveys, and our estimates based on corrected

unit-level data from the subsequent three surveys. These estimates show that the proportion of tenants among rural households and proportion of leased-in land in total operated area fell between 1971–72 and 2002–03. The decline in tenancy over this period was explained variously, including on account of problems of data (that is, inability of NSSO-SLLH to capture all tenancy contracts), reduction in supply of land for lease (eviction of tenants because of tenancy reform legislation, increasing dominance of marginal holdings, and resuming self-cultivation for better utilisation of capital invested by landowners in machinery and irrigation), and reduction in demand for leasing land (declining unemployment and poverty, and rising wages, during the 1980s).

The trends over the last decade, between 2002–03 and 2012–13, presented in Table 2, are in a sharp contrast to the trends over the past three decades. At the all-India level, proportion of tenants among rural households increased from 8 per cent in 2002–03 to 10.3 per cent in 2012–13. In 2002–03, about 6.7 per cent of total area under operational holding was leased in; by 2012–13, this had increased to 11.1 per cent. In 2012–13, the share of leased-in area in operational holding was the highest ever recorded in the last five rounds of NSSO-SLLH.

It should be pointed out that the extent of tenancy reported by the lessors of land is considerably lower than the extent of tenancy reported by tenants. Sawant (1991) has shown that there is a large concealment of tenancy in the data on leasing out in NSSO-SLLH, and that the extent of concealment is non-uniform across classes and States. Similarly, agricultural censuses, which are based on retabulation of land records in most States of India, also record very low levels of tenancy.³ In comparison with estimates presented in Table 2, only 0.94 per cent of the operated area was reported as being under tenancy contracts in the Agricultural Census for 2010–11.⁴ Given that most of the tenancy contracts in India are informal and short-term, and do not comply with tenancy reform laws, landowners do not register tenancy contracts in land records.⁵

³There are no clear guidelines on how this retabulation is done. The task is done at the State-level, with little supervision to ensure uniformity. Land records have information on individual ownership. Although operational holdings in agricultural censuses refer to land operated as a single technical unit, it is not clear how land operated by households but registered under names of various members of households (and other family members) are identified and aggregated to obtain operational holdings. Even identification of all plots of land belonging to an individual correctly is likely to be an extremely cumbersome, if not impossible, task. Land records are often outdated and do not reflect the correct status of ownership and possession. They are also, in most States, very poorly maintained (Mishra and Suhag, 2017). Given lack of transparency in the method of doing these computations, information on land distribution from the agricultural censuses is not accurate and not usable. In most States, computerisation of land records is an ongoing task. For the purpose of the 2015-16 Agricultural Census, an unsuccessful attempt was made to use computerised land records database in Gujarat and Maharashtra. However, the effort was abandoned because of inadequacy of information available in the database and other teething problems (<http://agcensus.nic.in/egov.html>).

⁴<http://agcensus.dacnet.nic.in>

⁵West Bengal, where registration of a substantial proportion of tenants in land records was achieved through Operation Barga in the late 1970s and early 1980s, is the only noteworthy exception on this account.

Table 2. Tenants as a proportion of all rural and cultivator households, leased-in land as a proportion of total operated area, India, 1971–72, 1982, 1991–92, 2002–03 and 2012–13 (per cent)

Year	NSS Round	Tenants/ Rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1971–72	26	25.3	—	10.6
1982	37	17.8	24.0	7.2
1991–92	48	9.3	12.8	8.7
2002–03	59	8.0	11.4	6.7
2012–13	70	10.3	15.0	11.1

Source: Estimates for 1971–72 and 1982 taken from NSSO (1986, 1987); estimates for 1991–92, 2002–03 and 2012–13 computed using the corrected unit-level data for each round.

4 Regional Variations in Incidence of Tenancy

While the NSSO-SLLH show that there has been a large increase in the incidence of tenancy at the all-India level, there are considerable regional variations in the levels and trends of incidence of tenancy (Table 3). Figure 1.1 shows regional variations in the incidence of tenancy in 2012–13 using both the proportion of tenants in all households and leased-in area as a proportion of total operated area. Figure 1.2 maps the percentage point change between 2002–03 and 2012–13 in both these indicators across different regions. These figures show that there are marked regional variations not only across States but also across different regions within many States.

Following points stand out from these figures.

Most of the eastern coast, from West Bengal to Andhra Pradesh, has seen a sharp rise in tenancy over the last two decades and has emerged as a region of exceptionally high prevalence of tenancy. In particular, from moderate levels of incidence of tenancy until the 1980s, coastal Andhra Pradesh, Rayalaseema and coastal Orissa have emerged as the areas with highest incidence of tenancy (Figure 1.1). In 2012–13, about 55 per cent of operated area was cultivated on tenancy contracts in coastal Andhra Pradesh and about 46 per cent of cultivating households had leased in some land. In Rayalaseema, about 35 per cent of operated area was leased in by about 41 per cent of cultivators. In coastal Orissa, 32 per cent of operated area was cultivated through tenancy contracts by about 36 per cent of cultivators. Telangana, which was a region with low incidence of tenancy until 2002–03, also saw a sharp rise in both proportion of tenants among cultivators and share of leased-in land in total operated area.

In West Bengal, a substantial rise in incidence of tenancy has taken place in the central plains and western plains regions. In central plains, the proportion

of tenants among cultivators increased by about 12 percentage points and proportion of leased-in land in total operated area increased by about 6.5 percentage points between 1991–92 and 2012–13. In western plains, incidence of tenancy increased primarily after 2002–03: about 12 percentage point increase in proportion of area and about 17 percentage point increase in proportion of tenants among cultivators.

Eastern Haryana, Western Uttar Pradesh and Uttarakhand have seen a decline in incidence of tenancy. The change in Haryana is particularly noteworthy as it was a State with high levels of incidence of tenancy until 1991–92 but has seen a sharp drop in incidence of tenancy since then. In 1991–92, 34 per cent of operational holding was cultivated on tenancy contracts by 19 per cent of cultivators. In 2012–13, in contrast, only 15 per cent of operated area was cultivated on tenancy contracts by 9 per cent of cultivating households. The drop in prevalence of tenancy has taken place particularly in the eastern regions of Haryana, while rest of the State has seen a marginal increase.

In contrast with neighbouring Haryana, Punjab is a State that saw a small drop in prevalence of tenancy between 1991–92 and 2002–03, and then a rise in the following decade. Over the last decade, the rise in incidence of tenancy was greater in southern parts of Punjab. The Malwa area – comprising southern districts of Punjab, canal irrigated areas of Northwestern Rajasthan and Western Haryana – is an area with high incidence of tenancy.

Contrary to the national trends, Uttar Pradesh saw a steady decline in the proportion of tenants among rural households as well as share of leased-in land in total operated area between 1991–92 and 2012–13. The decline was particularly sharp in the Western and Central Uttar Pradesh, and relatively small in Bundelkhand region. Eastern Uttar Pradesh saw a 2.5

⁶The classification of regions for Uttar Pradesh used by NSSO in the 59th and 70th does not coincide with agro-climatic regions of the State. Because of this, we used the information on district of sample households from UP to reclassify them into regions matching the State's agro-climatic regions.

Agricultural Tenancy in Contemporary India

Figure 1.1. Incidence of tenancy across different regions, India, 2012–13 (per cent)

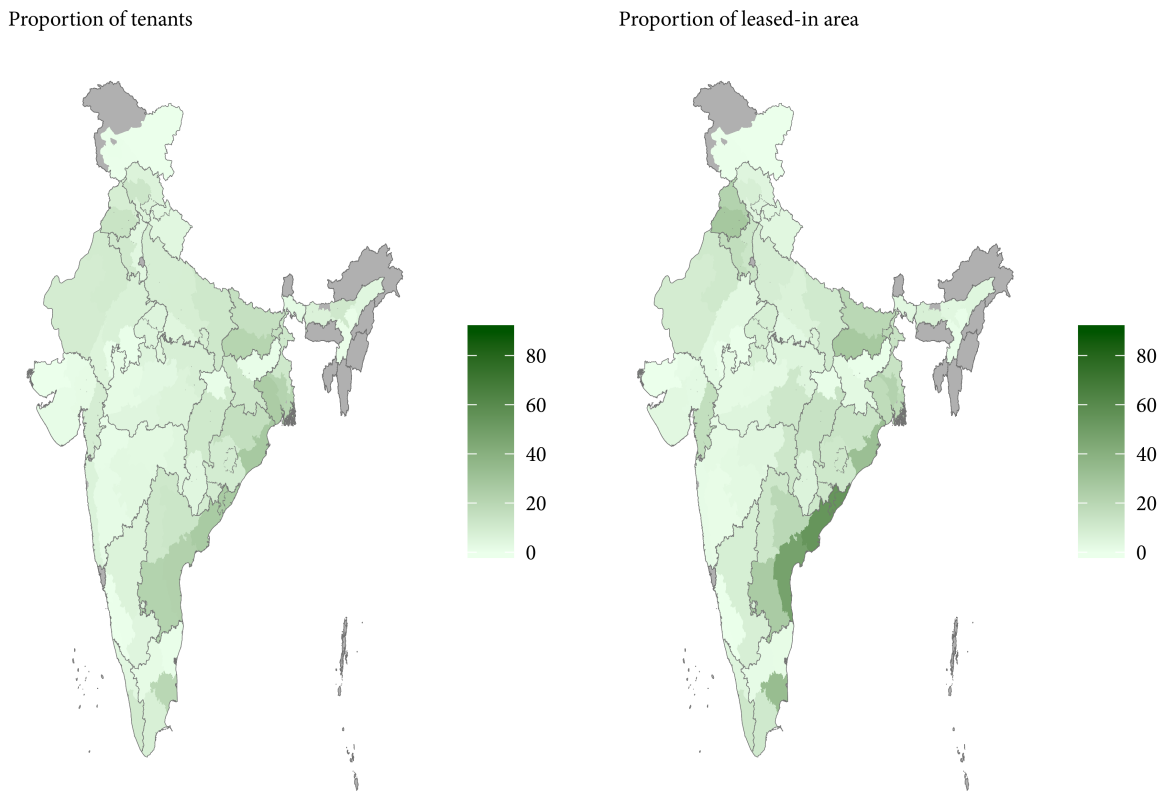
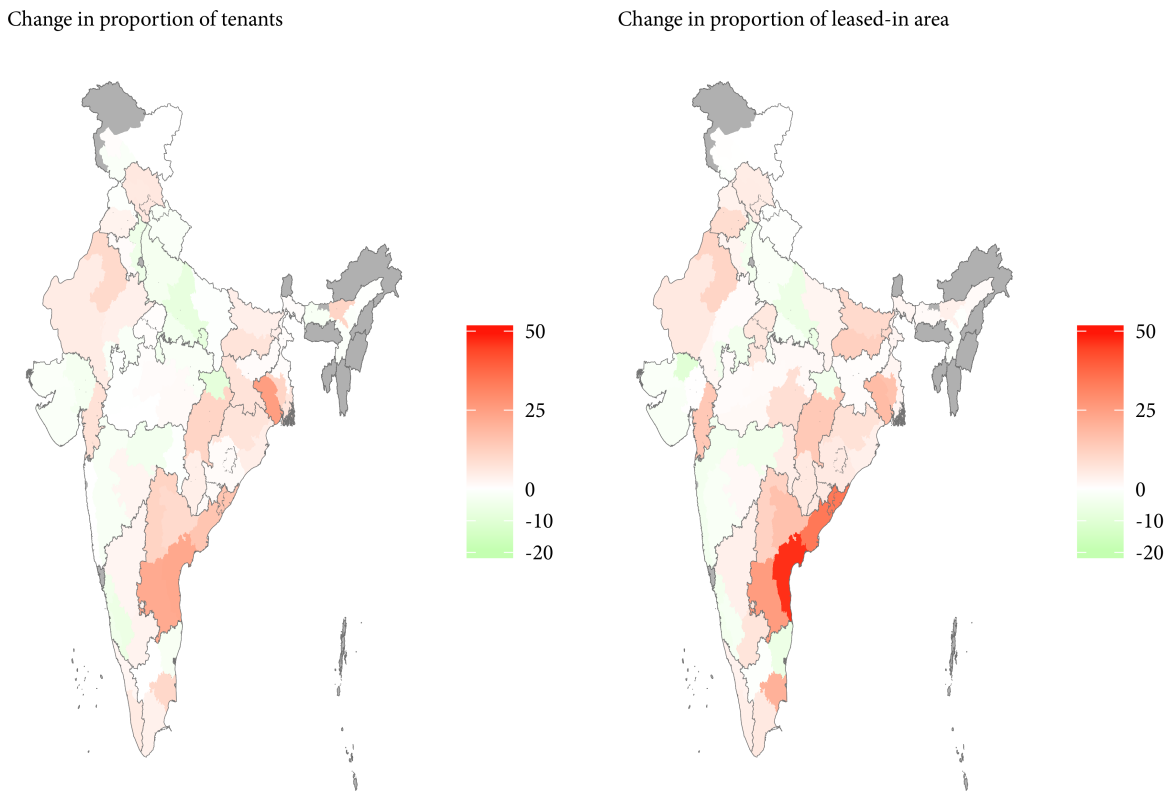


Figure 1.2. Change in incidence of tenancy across different regions, India, 2002–03 to 2012–13 (per cent)



Note: Estimates could not be made for regions marked in grey because of small sample size.

Table 3. Proportion of tenants in cultivator households and proportion of leased-in area in total operated area, State-wise, 1991–92, 2002–03 and 2012–13 (per cent)

States	Proportion of tenants among cultivator households			Proportion of leased-in area in total operated area		
	1991–92	2002–03	2012–13	1991–92	2002–03	2012–13
Jammu and Kashmir	6.1	1.3	0.4	3.8	0.3	0.2
Himachal Pradesh	8.5	8.5	12.5	4.9	2.8	6.3
Punjab	24.9	14.2	20.1	19.2	18.7	26.1
Haryana	18.7	13.9	9.1	33.7	15.5	15.2
Uttarakhand	20.9	6.9	5.8	15.3	4.3	3.9
Uttar Pradesh	17.4	16.1	11.8	10.7	9.9	8.0
Rajasthan	7.5	3.6	8.4	5.5	3.1	7.3
Madhya Pradesh	9.8	6.1	6.9	5.8	2.4	5.4
Gujarat	4.6	5.1	6.1	3.4	4.9	6.2
Maharashtra	7.2	7.0	4.9	5.7	4.7	3.3
Karnataka	10.3	5.4	6.9	8.3	3.5	6.9
Kerala	4.3	5.9	10.2	2.9	4.5	9.3
Tamil Nadu	16.6	9.7	15.2	11.9	6.8	14.3
Andhra Pradesh	21.2	20.8	42.8	14.2	16.9	41.5
Telangana	5.2	4.7	20.0	4.4	3.1	15.5
Chhattisgarh	15.5	12.2	11.6	10.0	5.6	11.4
Orissa	18.4	19.9	22.9	10.3	13.8	18.2
Jharkhand	2.8	5.4	6.5	1.5	2.3	2.1
Bihar	9.4	17.2	29.9	5.5	12.0	22.5
West Bengal	18.4	16.2	27.7	10.9	10.5	16.7
Assam	12.3	8.9	8.2	9.8	4.9	4.6
India	12.8	11.4	15.0	8.7	6.7	11.1

percentage point increase in the proportion of operated area that was cultivated on tenancy contracts.⁶

Bihar was historically a high tenancy area. In spite of that, the share of leased-in land in operated area for undivided Bihar was estimated to be 14.5 per cent in 1971–72 and 10.3 per cent in 1981. However, in what appears to be an erroneous estimate, the 1991–92 NSSO-SLLH survey recorded only 3.9 per cent of operated area as being under tenancy contracts in undivided Bihar. If, for the sake of comparability, we look at Bihar and Jharkhand together, leased in land was 9 per cent of operated area in 2002–03 and 17.4 per cent of operated area in 2012–13. This suggests that there has been a rise in the incidence of tenancy in Bihar, and the present level of area under tenancy contracts may be highest of what has been recorded in last five decades. Sharma and Rodgers (2015), in a study based on longitudinal surveys of 36 villages across Bihar spanning three decades, found that there had been a substantial increase — from about 25 per cent in 1998–99 to about 38 per cent in 2011 — in the proportion of total land that was operated on tenancy contracts. The trend seen in the data from their surveys is broadly

consistent with the increase in incidence of tenancy seen in the NSSO-SLLH data for Bihar.

In Rajasthan, Shekhawati (the plains of inland drainage) and canal irrigated areas in the Northwestern region of the State have seen a greater increase in incidence of tenancy than in other regions of the State. Humid south eastern plains have seen a fall in incidence of tenancy.

In Gujarat, a State with low levels of incidence of tenancy, south Gujarat has seen an increase in incidence of tenancy while rest of the State saw a decline.

In Maharashtra, another State with low levels of incidence of tenancy, incidence of tenancy declined in all the regions except Marathwada, which saw a small rise. Eastern region of Vidarbha has seen a small increase in the proportion of operated area cultivated through tenancy contracts.

In Karnataka, yet another State with low levels of tenancy, incidence of tenancy declined in the coastal region, but increased slightly in all the inland regions.

In Kerala, a State with a strong record of implementation of tenancy reform legislation, the extent of reported tenancy is very low. There has been a small rise in the incidence of tenancy since 1991–92.

In Tamil Nadu, Cauvery delta and southern districts saw a rise in tenancy. Cauvery delta, in particular Thanjavur district, is a region which has historically had high levels of tenancy (Bouton, 1985; Gough, 2008).

5 Land-class and Caste Profile of Tenants and Lessors

Data on distribution of tenants across categories of ownership and operational holding, and across social groups, suggest that resource poor, landless households, particularly belonging to Scheduled Castes and Muslims, are increasingly marginalised in the tenancy market. A disproportionate amount of land in many States is leased by households from middle and top deciles of ownership holding, by resource-rich landless households, and by households from social groups other than Scheduled Castes and Muslims. There are considerable variations in the class-profile of tenant households across States. Of all the States, Telangana, Andhra Pradesh, Gujarat, Punjab and Haryana lead in exclusion of resource poor and socially-marginalised households from tenancy markets. While medium and large landowners have come to account for a substantial share in the total land leased in, this is not necessarily a sign of increasing incidence of reverse tenancy.

Classifying households across deciles (and quintiles) of ownership and operational holdings

Data from NSSO-SLLH do not capture the class position of tenants very well because of lack of information on variables such as labour deployment, variations in productive potential of land and ownership of capital that are needed to appropriately identify the class status of sample households. The only limited possibility of examining class position of tenant households is through the use of the physical extent of land owned and operated to categorise households. Even this limited analysis using the physical extent of land is complicated because of under-reporting of landholdings by large landowners and cultivators.

Given these limitations of data, we have chosen to use deciles (and quintiles) of ownership (and operational) holdings, rather than absolute size-classes of land holdings, to classify the households. Further, in view of the significant variations in productive potential of land across different regions, we have used the following method to create these deciles and quintiles.⁷

First, sample households belonging to each NSS region were separated and given a weighted percentile rank using the size of ownership holding of households in each NSS region. Then, sample households from all

the regions were pooled, and the percentile rank of all landless households was changed to zero, thus moving all landless households to the bottom of the ranking. The landowning households were then ordered by their region-specific percentile rank. Households having the same percentile rank were ordered according to absolute size of ownership holding. The ranking thus achieved satisfied the following two principles: first, a household with some land anywhere in the country was ranked higher than a household with no land, and secondly, households ranked at n^{th} percentile level in different regions were all next to each other.⁸ The households were then divided into ten equal (weighted) groups to create the deciles. Since there was no normative way of ordering landless households, all ranked at the bottom, these were clubbed together in a separate category.

We used a similar process at the State-level to divide households between State-level quintiles. We used quintiles for State-level analysis as sample observations for many States were too few to get reliable estimates for each decile. For the State-level quintiles, sample households were separated into different regions and given a weighted percentile rank using size of ownership holdings of sample households in the region. The landless households for the entire State were then moved to the bottom, and finally, the households thus ranked were divided into different weighted quintiles for the State.

A similar procedure was also used to classify households across deciles and quintiles of household operational holdings.

Land-class position of tenant households

How are tenant households distributed across deciles and quintiles of ownership holdings? In which classes do we find an increase in incidence of leasing in? How does the land-class profile of tenants vary across States?

Table 4 shows the proportion of tenants among all households in different deciles of ownership holdings. Table 5 shows the distribution of tenants and leased-in land across deciles of ownership holding. These tables show that the bottom deciles, comprising landless households, had disproportionately low access to tenancy. This is, by and large, true of all the three rounds of NSSO-SLLH. These tables also show that the proportion of households that leased in land in the top decile of ownership holdings was smaller than the proportion in the 4th-9th deciles. However, households in the top decile of ownership holding leased in large extents of land, and thus accounted for a disproportionately high share in the total area of land leased in. Table 4 also shows that, at the all India level, the proportion of tenants among households

⁷For the purpose of this analysis, ownership holdings were defined to include all land that is owned or otherwise occupied (a category that mostly include cases of ownership-like possession but without legal title).

⁸It should be noted that, in this ordering, a household x may be ranked higher than a household y despite having less land than y if x has a higher percentile rank in its region than y 's percentile rank in the region in which y is located.

Table 4. Proportion of tenants among all households and average area of leased-in land of tenant households, by deciles of ownership holding, India, 1991–92, 2002–03 and 2012–13 (per cent)

Deciles	Proportion of tenants (per cent)			Average area of leased-in land (acres)		
	1991–92	2002–03	2012–13	1991–92	2002–03	2012–13
Landless	6.8	6.3	9.7	2.68	1.30	1.17
D3	13.2	—	—	1.50	—	—
D4	13.0	11.5	18.2	1.63	1.18	1.13
D5	10.2	9.5	10.7	2.29	1.21	1.10
D6	11.5	10.2	10.7	1.90	1.33	1.19
D7	10.8	10.4	12.4	2.18	1.33	1.57
D8	10.9	8.7	9.7	2.57	1.74	1.72
D9	9.4	6.6	9.6	2.62	2.14	1.58
D10	6.5	5.3	6.6	4.53	4.86	3.22
All households	9.3	8.0	10.3	2.44	1.64	1.43

Table 5. Distribution of tenant households and area leased in across deciles of ownership holding, India, 1991–92, 2002–03 and 2012–13 (per cent)

Deciles	Distribution of tenants			Distribution of leased-in land		
	1991–92	2002–03	2012–13	1991–92	2002–03	2012–13
D1	7.3	7.9	9.4	8.0	6.3	7.7
D2	7.3	7.9	9.4	8.0	6.3	7.7
D3	7.7	7.9	9.4	8.0	6.3	7.7
D4	14.0	13.1	13.9	9.4	9.5	11.1
D5	10.9	11.9	10.3	10.3	8.8	7.9
D6	12.4	12.7	10.4	9.7	10.3	8.6
D7	11.6	13.0	12.0	10.4	10.6	13.2
D8	11.7	10.9	9.5	12.3	11.6	11.4
D9	10.1	8.2	9.3	10.8	10.8	10.3
D10	7.0	6.6	6.4	13.0	19.7	14.4
Total	100.0	100.0	100.0	100.0	100.0	100.0

Note: Tenants not owning any land were proportionately divided among bottom deciles comprising landless households.

had increased in all the deciles of ownership holding between 2002–03 and 2012–13.

These results are broadly consistent with findings of a number of other studies that have noted the entry of large, resource-rich tenants into the lease market (see, for example, Bharadwaj and Das, 1975; Jodha, 1981; Murty, 2004; Nadkarni, 1976; Ramachandran, Rawal, and Swaminathan, 2010; Sidhu, 2005; Srivastava, 1989; Vyas, 1970).

Tables 6 and 7 show the distribution of tenant households and leased-in land across quintiles of ownership holding for different States. These tables show that the distributions of both tenant households and leased-in land varied considerably across States. In Himachal Pradesh, Haryana, Rajasthan, Kerala, Chhattisgarh, Orissa, Madhya Pradesh and Assam, the

share of bottom quintile among tenants was more than 20 per cent. In all other States, the bottom quintiles had a disproportionately low share in distribution of tenant households. Only in Himachal Pradesh, Rajasthan, Orissa, Chhattisgarh and Assam, tenants in the bottom quintile had more than 20 per cent share in the total leased-in land. In Punjab, households in the top quintile of ownership holding accounted for 45 per cent of tenant households and 57 per cent of leased-in land. In contrast, only 2.8 per cent of landless households leased in land. In Karnataka, the top two quintiles of households accounted for about 64 per cent of tenants and 77 per cent of leased-in area. In Tamil Nadu, there were very few tenants in the bottom two quintiles of households. In Andhra Pradesh, Telangana, Orissa, West Bengal and Bihar,

Table 6. Distribution of tenants across quintiles of ownership holding, by State, 2012–13 (per cent)

State	Q1	Q2	Q3	Q4	Q5	Total
Himachal Pradesh	27.9	45.8	7.6	12.6	6.1	100
Punjab	5.0	5.0	4.5	40.2	45.3	100
Haryana	22.2	24.5	13.8	14.1	25.4	100
Uttarakhand	7.1	66.9	10.8	15.3	0.0	100
Uttar Pradesh	17.6	34.8	18.2	18.8	10.6	100
Rajasthan	34.7	34.5	15.6	9.5	5.7	100
Madhya Pradesh	21.6	34.0	17.1	11.2	16.1	100
Gujarat	8.8	41.0	23.8	16.5	10.0	100
Maharashtra	14.5	17.7	35.5	21.5	10.9	100
Karnataka	10.7	8.8	16.8	38.8	24.8	100
Kerala	31.0	15.6	20.5	17.6	15.3	100
Tamil Nadu	7.6	7.6	26.5	45.7	12.6	100
Andhra Pradesh	18.2	18.2	16.1	34.4	13.2	100
Telangana	13.4	13.4	19.9	21.8	31.5	100
Chhattisgarh	25.0	20.8	29.4	12.5	12.3	100
Orissa	21.0	27.5	21.9	17.2	12.4	100
Jharkhand	9.4	47.0	16.5	16.4	10.7	100
Bihar	15.4	15.4	26.2	20.5	22.5	100
West Bengal	16.8	16.8	34.2	13.7	18.5	100
Assam	40.6	28.4	20.4	7.2	3.3	100

Note: Tenants not owning any land were proportionately divided among bottom quintiles comprising landless households.

Table 7. Distribution of leased-in area across quintiles of ownership holding, by State, 2012–13 (per cent)

State	Q1	Q2	Q3	Q4	Q5	Total
Himachal Pradesh	42.8	27.0	5.3	3.2	21.7	100
Punjab	1.5	1.5	4.8	34.8	57.4	100
Haryana	8.2	43.5	16.9	15.6	15.7	100
Uttarakhand	0.8	93.2	4.2	1.8	0.0	100
Uttar Pradesh	12.3	22.7	20.0	22.8	22.2	100
Rajasthan	29.6	18.8	17.2	25.2	9.2	100
Madhya Pradesh	18.3	24.2	11.9	13.0	32.5	100
Gujarat	6.9	43.0	10.6	26.0	13.5	100
Maharashtra	13.8	13.8	28.4	21.6	22.3	100
Karnataka	6.7	4.9	11.6	38.2	38.6	100
Kerala	13.0	11.3	15.3	25.3	35.1	100
Tamil Nadu	4.7	4.7	11.6	55.6	23.3	100
Andhra Pradesh	17.7	17.7	16.3	29.7	18.6	100
Telangana	10.2	10.2	22.2	16.3	41.0	100
Chhattisgarh	25.8	14.8	22.1	14.7	22.7	100
Orissa	24.2	24.4	20.2	12.7	18.6	100
Jharkhand	10.1	27.3	14.0	14.0	34.6	100
Bihar	12.3	12.3	25.6	18.5	31.3	100
West Bengal	14.8	14.8	33.5	17.0	19.9	100
Assam	31.1	25.9	29.1	7.4	6.6	100

Note: Tenants not owning any land were proportionately divided among bottom quintiles comprising landless households.

Table 8. Distribution of landless tenant households and area leased-in across deciles of operational holding, India, 1991–92, 2002–03 and 2012–13 (per cent)

Deciles	Distribution of landless tenants			Distribution of area of land leased-in by landless tenants		
	1991–92	2002–03	2012–13	1991–92	2002–03	2012–13
D1	0.0	0.0	0.0	0.00	0.00	0.00
D2	0.0	0.0	0.0	0.00	0.00	0.00
D3	4.3	0.0	0.0	0.13	0.00	0.00
D4	17.7	15.5	13.5	2.38	2.04	2.47
D5	19.0	16.2	14.6	7.14	6.83	3.53
D6	17.3	17.6	17.1	8.93	7.77	5.24
D7	16.5	18.6	15.3	10.39	12.68	10.67
D8	9.3	14.4	15.6	7.16	15.73	18.48
D9	8.7	11.1	9.5	18.09	21.04	15.19
D10	7.1	6.6	14.3	45.78	33.91	44.41
Total	100.0	100.0	100.0	100.00	100.00	100.00

although the proportion of tenants among landless households was lower than the proportion among landowning households, a considerable proportion of households in all the deciles leased in land. Rajasthan, Chhattisgarh, Assam, Himachal Pradesh and Kerala stand out as States where proportion of tenants is higher among landless households than among landowning households.

Tenants with no ownership holding

Not only do large landowners lease in a substantial proportion of land, there are also other resource rich households that do not own any land but lease in substantial amounts of land. In fact, it is noteworthy that tenants who do not own any land are not all small peasants. A significant share of them are tenants with operational holdings in middle to top deciles. These resource rich households account for the bulk of land leased-in by households without any owned land.

Table 8 shows that, over time, the proportion of landless tenants (tenants who did not own any land) whose operational holdings were in top two deciles of operational holding has increased. In 2012–13, about 24 per cent of landless tenants were in the top two deciles of operational holdings. These tenants, in the top two deciles of operational holding, accounted for 60 per cent of land leased-in by landless tenants. In contrast, bottom 45 per cent of landless tenants accounted for only 11 per cent of total land leased in by landless tenants.

Table 9 shows the distribution of landless tenants in 2012–13 in different States. In Gujarat, 61 per cent of landless tenants were in the top quintile of operational holdings. In Telangana and Andhra Pradesh, two States with very high level of incidence of tenancy, over 50 per cent of landless tenants were in the top quintile of operational holding.

Caste and access to land in tenancy markets

There are sharp caste disparities in ownership of land across the country. Looking at the country as a whole, these disparities are not mitigated by agricultural tenancy to any substantial extent. Table 10 shows that, in 2012–13, dalits constituted about 20 per cent of all households but owned only about 9 per cent of land. Tenancy improved their access to operated land by only about 1 percentage point. In case of rural Muslims, even greater exclusion in access to land is faced as tenancy markets are hardly able to reduce any disparity in their operational holdings as compared to their ownership holdings.

Table 11 shows the ratio of share in leased-in land to the share in number of households for different social groups. This index of access to land through tenancy markets shows that, at the all India level, Scheduled Caste, Scheduled Tribe and Muslim households have a disproportionately low access to land through tenancy markets. In particular, the share of rural Muslim households in leased-in land is about half their share in total number of households. At the State-level, dalit households have disproportionately low access to land for lease in all States other than Kerala, Andhra Pradesh, Rajasthan, Orissa, West Bengal and Assam. The index of access for dalits is particularly low (0.14) in Punjab, a State known for a very high population of dalits and the worst record of caste disparities. Scheduled Caste households in Haryana (0.23) and Gujarat (0.29) also have very poor access to land in tenancy markets. Adivasi households, particularly in areas that were recognised under the Fifth and Sixth Schedules of the Constitution, have historically been owners of land. However, they often do not have legal land titles and, with increasing land alienation, proportion of adivasi households that do not own any land has been rising (Karat and Rawal, 2014; Xaxa

Table 9. Distribution of landless tenants (tenants who did not own any land) across quintiles of operated area, by State, 2012–13 (per cent)

State	Q1	Q2	Q3	Q4	Q5	Total
Himachal Pradesh	0.0	31.1	7.1	51.3	10.5	100
Punjab	0.0	0.0	23.7	70.8	5.5	100
Haryana	0.0	11.9	75.0	8.3	4.8	100
Uttarakhand	0.0	11.7	88.3	0.0	0.0	100
Uttar Pradesh	0.0	35.4	30.0	25.4	9.3	100
Rajasthan	25.0	47.7	8.5	15.7	3.1	100
Madhya Pradesh	0.0	24.7	3.2	53.3	18.8	100
Gujarat	0.0	0.0	32.4	6.2	61.4	100
Maharashtra	0.0	20.4	31.5	23.2	24.8	100
Karnataka	0.0	0.8	0.6	98.1	0.5	100
Kerala	0.0	29.5	45.4	22.0	3.0	100
Tamil Nadu	0.0	0.0	18.6	69.9	11.5	100
Andhra Pradesh	0.0	0.0	15.1	34.5	50.4	100
Telangana	0.0	0.0	31.4	15.6	53.0	100
Chhattisgarh	0.0	31.2	28.2	24.9	15.7	100
Orissa	0.0	11.6	44.3	29.0	15.1	100
Jharkhand	0.0	0.0	85.4	14.6	0.0	100
Bihar	0.0	0.0	40.7	41.5	17.8	100
West Bengal	0.0	7.0	44.7	27.3	21.0	100
Assam	0.0	63.0	6.1	18.5	12.3	100

Committee, 2014). Data presented in Tables 10 and 11 show that adivasi households face a high degree of exclusion in access to land for lease in almost all the States.

How widespread is reverse tenancy?

Does the evidence on land-class distribution of tenants point to an increasing incidence of reverse tenancy in India? Reverse tenancy refers to tenancy transactions in which small, resource-poor landowners lease out land to large, resource-rich cultivators. Although the term reverse tenancy was not yet in vogue, in one of the earliest discussions of reverse tenancy, Nadkarni (1976) lucidly described the process as one in which, “members of the dominant class in rural society are entering into formal and informal lease agreements with the poor landholders for cultivation by the former, particularly in regions having the prospects of agricultural prosperity. Thus the small owners surrender their operational control over land – if not ownership itself – in favour of the dominant”. The term reverse tenancy started to be used to describe such tenancy contracts from around 1980. In the Indian context, Vyas (1970) and Nadkarni (1976) were amongst the earliest commentators to argue that

there is an increasing tendency of households from among dominant classes using tenancy to extend their operational control over land.

In a number of empirical studies of tenancy that have followed, the increase in the proportion of large landowning households who lease in some land has been used to imply an increasing incidence of reverse tenancy in India. In one of the most widely cited study on reverse tenancy in India, Singh (1989), argued that reverse tenancy in central Punjab was on the rise despite the fact that most of the land in the primary data used in the paper was leased out by middle and large owners. Similarly, Deb *et al.* (2015) found that a substantial amount of land in ICRISAT survey villages was leased in by large farmers, and interpreted it as an evidence of reverse tenancy. Sharma (2010) used another flawed measure – a greater increase in proportion of land leased out by marginal and small landowners than the increase in proportion of land leased in by the same category of landowners – as an indicator of increasing incidence of reverse tenancy.⁹ In many other studies, increasing incidence of reverse tenancy in India has been more of an assumption than a finding (see, for example, Kumar, 2006; Ramakumar, 2000; and Singh, 2002, 2012). Despite the flimsy

⁹The measure does not account for the fact that, as per the NSS data, proportion of marginal and small landowner households and share of total land owned by these households also increased over the same period. Also, since the share of marginal and small landowner households in land leased in remained much greater than the share of these classes in land leased out, the indicator does not necessarily imply an increase in leasing of land by small landowners to large land owners.

Table 10. Distribution of all rural households, operated area and ownership holding, across social groups, India, 2012–13 (per cent)

Social group	Households	Operated area	Ownership holding
Scheduled Castes	20.2	10.3	9.3
Scheduled Tribes	11.9	12.3	12.7
Muslims	10.8	5.7	5.6
Others	57.1	71.7	72.4
Total	100.0	100.0	100.0

Table 11. Index of access to land for lease (ratio of share of leased-in land to share in number of households) for different social groups, by State, 2012–13

State	Scheduled Castes	Scheduled Tribes	Muslims	Others
Himachal Pradesh	0.75	0.51	0.00	1.15
Punjab	0.14	—	0.00	1.60
Haryana	0.23	—	0.24	1.24
Uttarakhand	0.50	0.00	0.00	1.37
Uttar Pradesh	0.67	0.85	0.46	1.25
Rajasthan	1.04	0.27	1.24	1.16
Madhya Pradesh	0.61	0.71	1.01	1.33
Gujarat	0.29	2.23	0.26	0.66
Maharashtra	0.39	0.38	0.79	1.27
Karnataka	0.45	0.86	0.53	1.25
Kerala	1.54	0.33	0.47	1.13
Tamil Nadu	0.37	0.00	1.68	1.22
Andhra Pradesh	1.19	0.57	1.15	0.98
Telangana	0.77	1.13	0.78	1.11
Chhattisgarh	0.40	0.88	0.00	1.28
Orissa	1.36	0.59	0.88	1.08
Jharkhand	0.30	1.12	1.16	0.99
Bihar	0.92	0.34	1.17	1.02
West Bengal	1.37	0.88	0.59	1.02
Assam	1.20	2.22	0.88	0.62
India	0.88	0.67	0.53	1.20

evidence, several other scholars have cited some of these studies, often further mis-interpreting the evidence, and asserted that incidence of reverse tenancy has been on the rise, particularly in affluent States such as Punjab and Haryana (see, for example, Parthasarthy, 1991; Shah and Harriss-White, 2011).

In contrast, most primary data-based studies that have looked at the class-status of both lessors and tenants have come to very different conclusions. Sheila Bhalla (1983), in her detailed study of tenancy relations in Haryana, found that “small cultivators, in particular, have not chosen to lease out some or all of their land and to go to work as farm labourers”. She found that, apart from the large landowners, land was also leased out by small landowners who were engaged in non-agricultural occupations outside the village. On the

relative class-position of lessors and tenants, she wrote that, “in many cases, the tenant and the owners are social and economic equals, especially if the tenant is a man who owns some land in addition to the land he takes on rent” (Bhalla, 1983). Birthal and Singh (1994) studied tenancy contracts in Mirzapur and Varanasi districts of Uttar Pradesh. The data presented by them showed that only 2.63 per cent of tenancy contracts in the sample from Mirzapur and 6.18 per cent of tenancy contracts in the sample from Varanasi involved a small landowner leasing out land to a middle or a large landowning tenant. Sharma and Dréze (1996) noted that in Palanpur (UP), “there seems to be some tendency for people to refrain from entering into tenancy contracts with individuals who own either a lot more or a lot less land than themselves”. While

Table 12. Proportion of tenants among all households, by social group, by State, 2012–13 (per cent)

State	Scheduled Caste	Scheduled Tribe	Muslims	Others
Himachal Pradesh	14.4	4.5	0.0	8.3
Punjab	2.5	—	0.0	17.0
Haryana	3.0	—	2.8	7.6
Uttarakhand	8.8	0.0	0.0	3.1
Uttar Pradesh	8.1	13.6	4.9	10.8
Rajasthan	3.7	6.5	19.3	8.0
Madhya Pradesh	3.9	4.4	3.3	5.8
Gujarat	1.0	11.1	0.5	2.1
Maharashtra	1.6	1.1	2.1	3.8
Karnataka	2.2	3.2	2.0	5.7
Kerala	14.8	2.4	4.1	8.0
Tamil Nadu	4.7	0.0	24.2	7.6
Andhra Pradesh	31.3	19.7	20.6	22.7
Telangana	11.8	17.5	7.1	12.1
Chhattisgarh	7.0	6.7	0.0	12.0
Orissa	29.4	14.1	15.3	15.1
Jharkhand	1.2	4.8	5.2	6.8
Bihar	22.7	13.4	21.2	14.8
West Bengal	19.0	13.7	17.7	16.6
Assam	5.5	8.4	6.6	5.6
India	11.6	8.1	10.8	10.3

fixed rent tenancy has been found to have become more prevalent in Palanpur in recent times, reverse tenancy has not been found to be a significant phenomenon in more recent studies either (Tyagi and Himanshu, 2011a, 2011b). In their study based on longitudinal surveys of 36 villages in Bihar, Sharma and Rodgers (2015) noted that, while there had been a decline in the practice of landless households cultivating land on lease because of increased migration of workers from landless households, the incidence of reverse tenancy was small and had not increased. In PARI village studies, done in many different States of India since 2005–06, reverse tenancy was not found to be a dominant form of tenancy in any village (Ramachandran, Rawal, and Swaminathan, 2010; Rawal and Osmani, 2009; Swaminathan and Das, 2017; Swaminathan and Rawal, 2015).

Given this context, it is pertinent to ask, what do the NSSO-SLLH data show about prevalence of reverse tenancy in India?

Before we deal with this question, we must reiterate some important limitations of NSSO-SLLH data. In NSSO-SLLH, no information is collected from tenants in the sample that could be used to identify the class status of lessors from whom they lease in land. Similarly, lessors in the sample are not asked information that could be used to identify class-status of their tenants. Given this, the information provided in NSSO-SLLH is inadequate to identify tenancy contracts

in which a small landowner leases out land to a large cultivator. This is a major limitation in using NSS data to estimate the extent of reverse tenancy. Given this, the only possible way of using NSS data to examine whether reverse tenancy is prevalent in any substantial measure is through a comparison of the distribution of lessors and tenants. If the distribution of leased-in land shows a greater concentration of larger landowners than the distribution of leased-out land, one could argue that tenancy is resulting in a net transfer of land from the small landowners to large landowners. Such a comparison, however, must be preceded by the caution that the extent of leasing out reported by landowners suffers from much greater under-reporting than the reporting by tenants. In the 70th round survey, only 1220 sample households, out of a rural sample of 35604, reported having leased out any land. In comparison, 3696 households had leased in some land. The estimate of total leased out land for 2012–13 was only 2.2 million hectares; in comparison, the estimate for total leased in land was 9.3 million hectares. Since large landowners are more likely to under-report leasing out, the distribution of leased out land may be distorted to show less concentration of large landowners, and thus may falsely indicate the existence of reverse tenancy.

With these caveats, we present, in Table 13, the distribution of lessors of land across deciles of landowning households by the size of their ownership holdings. The table shows that the land is primarily

Table 13. Distribution of lessor households and area leased-out, across deciles of ownership holdings of landowning households, India, (per cent)

Deciles	Distribution of lessor households		Distribution of area leased out	
	2002	2012	2002	2012
D1	0.9	0.0	0.6	0.0
D2	3.9	0.5	5.3	1.4
D3	9.5	1.7	6.8	1.0
D4	9.0	3.4	7.1	2.2
D5	9.7	4.1	6.9	2.1
D6	8.8	3.9	9.1	3.8
D7	10.9	8.2	17.3	12.5
D8	14.6	13.8	7.9	6.4
D9	14.7	19.8	17.1	16.0
D10	17.9	44.9	21.9	54.6
Total	100.0	100.0	100.0	100.0

leased out by large landowners, and the share of the top decile in total amount of land leased out increased from 22 per cent in 2002–03 to 55 per cent in 2012–13. In 2012–13, the bottom decile accounted for a mere 0.02 per cent of land leased out. The State-level analysis of distribution of lessors (Tables 14 and 15) is only possible for a few States because of lack of adequate number of sample observations of lessors in many others. These tables show that, in all the States, households in the top quintiles dominated the supply of land for lease. In all States for which estimates could be made, lessors located in the top two quintiles of households accounted for over 80 per cent of the leased out land. Even in Rajasthan, where 25 per cent of lessors were located in the second quintile, their share in total amount of land leased out was very small, and the proportion of lessor households in Q2 was much lower than the proportion of tenants in the bottom two quintiles (as seen in Table 7).

In other words, these data do not support the possibility of a large-scale prevalence of reverse tenancy in India. In fact, NSSO-SLLH data are consistent with the conclusion that most tenancy contracts in India are either between large landowning lessors and poor tenants, or, lateral tenancy contracts, in which land is leased out by a household to another with a similar socio-economic status.¹⁰ The clearest example of dominance of lateral tenancy is seen in Punjab, where land is primarily owned by medium to large landowners belonging to Jat Sikh community, while landless households, mostly dalits, are excluded from tenancy markets as well. Data on tenancy in Punjab shows that the tenancy transactions take place only among the top few deciles of landowning, non-dalit households.

¹⁰Having analysed earlier rounds of NSSO-SLLH surveys, Sharma (1995) and Sharma (2009) also noted lack of a conclusive evidence about an increase in incidence of reverse tenancy. Sharma (2009) concluded that, “in most of the states, households with not very different farm size dominated the lease market both as lessees and lessors”.

6 Increase in Incidence of Fixed-rent Tenancy

Another trend that stands out clearly in the data from the last two rounds is the increase in fixed-rent tenancy, and within that, of rental payments paid in money. The share of land cultivated on fixed rent in total leased-in land increased from about 47 per cent in 2002–03 to 55 per cent in 2012–13 (Table 16). For the first time, in the survey for 2012–13, fixed rental payments in money was found to be the single most important category of types of tenancy contracts, and accounted for about 40 per cent of leased-in land.

Questions related to terms of tenancy, and the categories in which tenancy contracts were classified, have changed over different rounds of NSS surveys. Although NSSO landholding surveys in the 1950s collected some information on the level of rents (Nair and Sinha, 1962), questions on rent were dropped from the schedule in the 17th round (1961–62) and no information on rent has been collected in any round after that. In the surveys prior to 2002–03, a substantial part of the leased-in land was categorised under “other” or “unspecified” contracts. An examination of the unit-level data from the 1991–92 survey, the earliest round of NSSO-SLLH for which the unit-level data are available, showed that the field on type of contract had been left blank for many plots that were operated on lease contracts. There is no way of determining whether these fields were left blank because none of the specified category was found suitable, or because the question was not properly canvassed. Assuming that the share tenancy and fixed rent contracts were correctly identified wherever applicable, data from NSSO-SLLH

Table 14. Distribution of lessor households, across quintiles of households by ownership holding, selected States, 2012–13 (per cent)

State	Q1	Q2	Q3	Q4	Q5	Total
Punjab	0.0	0.0	0.0	34.6	65.4	100
Uttar Pradesh	0.0	7.1	11.4	24.9	56.7	100
Rajasthan	0.0	25.0	7.8	39.8	27.3	100
Madhya Pradesh	0.0	4.1	27.9	24.8	43.2	100
Kerala	0.0	2.9	0.0	27.0	70.1	100
Andhra Pradesh	0.0	0.0	0.0	29.4	70.6	100
Orissa	0.0	8.3	28.0	13.5	50.1	100
Bihar	0.0	0.0	1.6	82.9	15.5	100
West Bengal	0.0	0.0	14.2	37.5	48.3	100
Assam	0.0	0.0	41.5	17.2	41.2	100

Note: Data are presented only for the States for which the sample included a substantial number of lessor households.

Table 15. Distribution of area leased out, across quintiles of households by ownership holding, selected State, 2012–13 (per cent)

State	Q1	Q2	Q3	Q4	Q5	Total
Punjab	0.0	0.0	0.0	17.8	82.2	100
Uttar Pradesh	0.0	1.0	1.9	17.7	79.3	100
Rajasthan	0.0	3.1	1.1	23.0	72.9	100
Madhya Pradesh	0.0	0.9	10.5	13.4	75.2	100
Kerala	0.0	0.0	0.0	5.3	94.7	100
Andhra Pradesh	0.0	0.0	0.0	16.4	83.6	100
Orissa	0.0	0.4	7.3	6.4	85.9	100
Bihar	0.0	0.0	0.1	54.2	45.7	100
West Bengal	0.0	0.0	3.0	18.2	78.9	100
Assam	0.0	0.0	20.5	5.7	73.7	100

Note: Data are presented only for the States for which the sample included a substantial number of lessor households.

until 1991 show that the share of fixed rent tenancy contracts, and in particular of fixed rent paid in money, has been rising since 1971–72. Over the last two rounds of NSSO-SLLH, the data on terms of contracts are better categorised and only a small part of observations were categorised as others or unspecified. Data from these two surveys show a continued increase in the share of fixed rent contracts, and within that of rents paid in money. In 2012–13, over 55 per cent of land was leased on fixed rent contracts, and for the first time, the share of land leased on fixed money contracts (39.9 per cent) was higher than the share of land under sharecropping contracts (30.8 per cent). Table 17 shows that, in 2012–13, fixed money rent was the dominant type of contract in Punjab, Haryana, Maharashtra, Tamil Nadu, Andhra Pradesh and Telangana. In Punjab, about 90 per cent of the leased-in land was under fixed money contracts. On the other hand, sharecropping was the dominant type of contract in Uttar Pradesh, Karnataka and Orissa.

In West Bengal, Rajasthan and Jharkhand, over 40 per cent of the leased-in land was under sharecropping contracts.

The rise of fixed rent tenancy has been argued to be a result of, on the one hand, increasing access to irrigation, improved productivity and a reduction in uncertainty of production, and on the other, increased demand for leasing land because of increasing landlessness, lack of availability of decent non-agricultural employment and entry of large landowners in tenancy market. Fixed money rents are typically paid in advance and, therefore, are particularly favourable for richer tenants. However, if increasing landlessness, lack of mobility among workers, and entry of rich tenants into the tenancy market increase the competition for leasing in land, credit-constrained poor landless households may also be forced to accept fixed rent and other kinds of highly exploitative contracts (Rawal and Osmani, 2009).

Table 16. Distribution of total leased-in area under various terms of lease, India, 1961–62, 1971–72, 1982, 1991–92, 2002–03 and 2012–13 (per cent)

Year	Fixed rent			Produce share	Others and unspecified
	Fixed money	Fixed produce	Total		
1961–62	25.6	12.9	38.5	39.2	22.3
1971–72	15.4	11.6	27.1	47.9	25.1
1982	10.9	6.3	17.1	44.7	38.2
1991–92	19.0	14.5	33.5	34.4	32.1
2002–03	28.9	18.6	47.5	40.7	11.8
2012–13	39.9	15.2	55.1	30.8	14.1

Sources: NSSO (1986) for 1971–62, 1971–72 and 1982; NSSO (1992b) for 1991–92; and computed using unit-level data for 2002–03 and 2012–13.

7 Concluding Remarks

Large-scale statistics on land relations in rural India are fraught with many problems. Poor statistics produced by official agencies give a very distorted picture of production relations in the Indian countryside: one in which very few households lack access to land; most households cultivate their own, tiny holdings; very few households lease in or lease out land; and there are few households with large holdings.

Studies based on a careful examination of large-scale data over the last two decades, in addition to a large body of primary field-based research, have helped dispel some of these misconceptions. In terms of ownership of productive land, the NSS data show that the level of landlessness among rural households is over 40 per cent (Rawal, 2008). More recently, the Socio Economic Caste Census, 2011, recorded that 56 per cent of rural households did not own any land.¹¹ The 4th National Family Health Survey recorded that over 47 per cent of rural households did not own any agricultural land in 2015–16 (IIPS and ICF, 2017). Despite a high degree of under-reporting by owners of large landholdings and other wealth, land and asset inequality in rural India have been found to be very high and increasing (Anand and Thampi, 2016; Jayadev, Motiram, and Vakulabharanam, 2007; Rawal, 2013; Sarma, Saha, and Jayakumar, 2017; Subramanian and Jayaraj, 2006). Data have also been used to show persistent exclusion of Dalits and Muslims in ownership and access to land (Anand, 2016; Bakshi, 2008; Rawal, 2014; Sachar Committee, 2006; Thorat, 2009).

As a contribution to this larger body of scholarly work on land relations in India, this paper presents an analysis of incidence of tenancy since 1991–92 using data from the NSSO's Surveys of Land and Livestock Holdings. The present study involved a household-by-household review of data from three rounds of NSSO-SLLH to correct inconsistencies to the extent possible.

NSSO's Surveys of Land and Livestock Holdings are arguably the most important exercise in collecting data on land relations in India. There are, however, serious limitations of these surveys and it seems the NSSO has been conducting these every ten years without any serious consideration of what is being produced and how useful are the data. NSSO has been tinkering with the survey schedule in every round without any consideration as to why the survey data are hardly used by anybody.

While the survey leaves out some crucial aspects of information, considerable resources are wasted on capturing relatively minor aspects in great detail. The survey does not collect any information on land transactions or on rent. Despite the survey comprising two visits to sample households, no data are collected on investment, land improvement activities undertaken, production, labour deployment or input use. In fact, the Survey of Land and Livestock Holdings is conducted along with All-India Debt and Investment Survey (Schedule 18.2) and Situational Assessment Survey of Agricultural Households (Schedule 33), with each schedule canvassed on a separate sample of households. Data on landholdings are scattered across the three schedules. While detailed data on size of landholdings and tenurial status are collected through Schedule 18.1, data on land transactions and land values are in Schedule 18.2, and data on input use and production are in Schedule 33. NSSO needs to seriously consider the possibility of bringing together data on landholdings for rural households into a single survey schedule so that correlations between different aspects could be studied. In different blocks in all the three schedules, format and questions used to solicit information from respondents are poorly designed, resulting in imprecise and poor data. All these problems call for a thorough review of NSSO's overall strategy to collect data on agrarian relations, and in particular of the Schedules 18.1, 18.2 and 33.

¹¹<http://secc.gov.in/statewiseLandOwnershipReport?reportType=Land%20ownership>

Table 17. Share of land leased under different types of contracts in total leased-in area, by State, 2012–13 (per cent)

State	Fixed money	Fixed produce	Produce share	Others
Himachal Pradesh	30.5	2.0	8.4	59.1
Punjab	89.7	1.1	1.9	7.3
Haryana	75.4	8.0	1.9	14.7
Uttarakhand	6.0	43.0	0.6	50.4
Uttar Pradesh	25.0	11.0	50.8	13.2
Rajasthan	29.6	5.9	41.7	22.9
Madhya Pradesh	15.4	10.0	40.5	34.2
Gujarat	23.7	0.0	49.5	26.8
Maharashtra	55.6	1.7	26.9	15.9
Karnataka	19.7	9.9	59.7	10.7
Kerala	39.3	11.3	7.9	41.5
Tamil Nadu	62.9	7.9	6.1	23.2
Andhra Pradesh	55.2	23.0	15.9	5.9
Telangana	61.0	5.9	29.8	3.4
Chhattisgarh	4.7	51.3	19.6	24.3
Orissa	6.4	22.5	56.1	15.0
Jharkhand	12.8	19.2	41.2	26.8
Bihar	27.9	31.5	34.0	6.6
West Bengal	30.2	13.8	40.8	15.1
Assam	17.6	10.2	58.7	13.6

The most important findings of this paper can be summarised as follows.

At the all-India level, there was a substantial increase in the incidence of agricultural tenancy between 2002-03 and 2012–13. The proportion of tenants among rural households as well as the proportion of land that is cultivated on tenancy contracts increased significantly over this period. In 2012–13, over 11 per cent of operated area was cultivated under tenancy, highest ever recorded in NSSO-SLLH in the last four decades.

There are considerable regional variations in these trends. Over the last two decades, coastal Andhra Pradesh, Rayalaseema and coastal Orissa have emerged as the areas with highest incidence of tenancy. Tenancy also become more prevalent in Telangana over the last two decades. Punjab and Bihar saw a considerable rise in incidence of tenancy in the last decade, while prevalence of tenancy declined in Haryana and Uttar Pradesh.

The second important point that emerges from the data is the increasing marginalisation of rural poor households from the tenancy markets. Tenancy does not mitigate caste disparities in landownership to any significant extent with dalit and Muslim households facing exclusion in land ownership as well as in accessing land through tenancy. An increasing share of land is being leased in by large landowners. Even among the landless tenants, there is a growing proportion of large, resource-rich, capitalist tenants.

In many earlier studies based on large-scale data, an increasing participation of large landowners in tenancy

market has been taken as a sign of increasing incidence of reverse tenancy. We have argued that this is a flawed measure of existence of reverse tenancy as it disregards the class position of lessors. NSSO-SLLH data do not support the conclusion that reverse tenancy has emerged as a major form of tenancy in any State in India. In fact, the data are consistent with the argument that much of the tenancy in India is either between large landowners and poor tenants, or between landowners and tenants with similar socio-economic status.

The analysis in this paper shows that a greater share of land is being leased on fixed-rent contracts with rent paid in the form of money. This is likely to have been a result of increasing participation of large landowning and resource rich households as tenants. In 2012–13, of the total leased-in land, about 40 per cent was leased on fixed money rent and another 15 per cent on fixed produce rent. An increasing participation of large, resource-rich tenants, often willing to pay fixed cash rent in advance, marginalises poor from the lease market and forces them to accept more onerous terms of contracts.

These findings point at the continued relevance of state regulation of agricultural tenancy in favour of poor tenants. Although tenancy reform legislation have not been effectively implemented except in a few States, a withdrawal of these regulations, as recommended recently by the Haque Committee, would only work to further marginalise poor tenants.

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Part II

Compendium of Statistical Tables on Tenancy

Based on Corrected Data from the 48th, 59th and 70th Rounds of

NSSO Survey of Land and Livestock Holdings

Notes

General Notes

Section 2 (*pp.* 2–5) provides details of corrections made in the household-level data.

All tables in this compendium refer only to rural households, and land owned and operated by them. In various tables in this compendium households are classified by quintiles and size-classes of ownership and operational holdings.

Classification of households across quintiles

The procedure used for classifying households across quintiles of ownership and operational holdings is as follows.

First, sample households belonging to each NSS region were separated and given a weighted percentile rank using the size of ownership (or operational) holding of households in each NSS region.

Then, sample households from all the regions were pooled, and the percentile rank of all landless households was changed to zero, thus moving all landless households to the bottom of the ranking.

The landowning households were then ordered by their region-specific percentile rank. Households having the same percentile rank were ordered according to absolute size of ownership holding. The ranking thus achieved satisfied the following two principles: first, a household with some land anywhere in the country was ranked higher than a household with no land, and secondly, households ranked at n^{th} percentile level in different regions were all next to each other.

The households were then divided into five equal (weighted) groups to create the quintiles. Since there was no normative way of ordering landless households, all ranked at the bottom, these were clubbed together in a separate category.

Size classes of ownership and operational holdings

For categorising households by size classes of ownership and operational holding, following size classes have been used.

- 0-1 hectares
- 1-2 hectares
- 2-3 hectares
- 3-4 hectares
- 4-5 hectares
- >5 hectares

Social groups

For analysing data across social groups, households were classified into following groups.

Scheduled Caste households: All households belonging to Scheduled Castes, irrespective of their religion, were separated into this category.

Scheduled Tribe households: All households belonging to Scheduled Tribes, irrespective of their religion, were separated into this category.

Muslim households: From among all households not classified as Scheduled Caste or Scheduled Tribe, Muslim households were separated into this category. No data on religion was collected in the 48th round of NSSO-SLLH. As a result, no estimates are made separately for Muslim households for the 48th round.

Other households: All remaining households were classified into this category.

Muslim+Other households: Since Muslim households cannot be separately identified in the 48th round data, we created this additional category to show comparable estimates from all the three rounds for all households other than Scheduled Castes and Tribes.

State-wise Tables

Following 35 Tables are provided for each State.

Statistical summery of the sample

Seven tables in this Section give details of the sample. It is important to look at sample size for different categories. Estimates for categories where sample size is very small may not be reliable.

Table A.1 Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Table A.2 Number of rural households in the sample, size classes of operated area

Table A.3 Number of tenant households in the sample, size classes of operated area

Table A.4 Number of rural households in the sample, quintiles of ownership holding

Table A.5 Number of tenant households in the sample, quintiles of ownership holding

Table A.6 Number of rural households in the sample, by social group

Notes

Table A.7 Number of tenant households in the sample, by social group

Distribution of ownership and operational holdings

Five tables in this section (Tables A.8–A.12) give data on distribution of ownership and operational holdings across quintiles of ownership and operational holdings, across size-classes of ownership and operational holding, and across social groups.

Table A.8 Distribution of owned land across quintiles of ownership holdings (per cent)

Table A.9 Distribution of operated area across quintiles of operational holdings (per cent)

Table A.10 Distribution of rural households and owned land across size-classes of ownership holding

Table A.11 Distribution of rural households and operated area across size-classes of operational holding

Table A.12 Distribution of rural households, owned land and operated area across social groups

Overall statistics on tenancy

Table A.13 for each state gives overall statistics on incidence of agricultural tenancy from the three survey rounds.

Table A.13 Tenant households as a proportion of all rural households, tenant households/cultivator households, leased-in area/ total operated area (per cent)

Types of contracts

Table A.14 for each State gives the share (in per cent) of leased-in land under different types of contracts.

Table A.14 Distribution of total leased-in area under various terms of lease (per cent)

Tenancy across size classes of operational holdings

Tables A.15–A.20 for each State give data on distribution of tenants and leased-in land across size-classes of operational holdings.

Table A.15 Distribution of all households (per cent)

Table A.16 Distribution of tenant households (per cent)

Table A.17 Proportion of tenants among all households (per cent)

Table A.18 Distribution of operated area (per cent)

Table A.19 Distribution of leased-in area (per cent)

Table A.20 Proportion of leased-in area in total operated area (per cent)

Tenancy across quintiles of ownership holding

Tables A.21–A.24 for each State give data on distribution of tenants and leased-in land across quintiles of ownership holdings.

Table A.21 Distribution of tenant households (per cent)

Table A.22 Distribution of area leased-in (per cent)

Table A.23 Proportion of tenants among all rural households (per cent)

Table A.24 Average area of land leased-in by tenant households (hectares)

Tenancy across social groups

Tables A.25–A.30 for each State give data on distribution of tenants and leased-in land across social groups.

Table A.25 Distribution of all rural households (per cent)

Table A.26 Distribution of tenant households (per cent)

Table A.27 Proportion of tenants among all rural households (per cent)

Table A.28 Distribution of total operated area (per cent)

Table A.29 Distribution of leased-in area (per cent)

Table A.30 Proportion of leased-in land in total operated area (per cent)

Landlessness across social groups

Table A.31 for each State gives statistics on landlessness among households belonging to different social groups.

Table A.31 Proportion of households with no ownership holding and no operational holding across social groups

Tenants among households with no ownership holding (landless tenants)

Tables A.32–A.35 give statistics on tenant households that do not have any ownership holding.

Table A.32 Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991–92, 2002–03 and 2012–13

Table A.33 Distribution of landless tenants and area leased-in across quintiles of operated area, 1991–92, 2002–03 and 2012–13

Table A.34 Proportion of tenants among households with no ownership holding, by social groups (per cent)

Table A.35 Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Regional Tables

For selected States, where number of observations at the level of NSS regions was substantial, Tables B.1–B.6 are provided separately for each region. These tables have been prepared for different regions of Punjab, Haryana, Rajasthan, Uttar Pradesh, Bihar, Assam, West Bengal, Orissa, Madhya Pradesh, Gujarat, Maharashtra, Andhra Pradesh, Karnataka and Tamil Nadu.

Table B.1 Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Table B.2 Distribution of ownership holdings across quintiles of ownership holdings (per cent)

Table B.3 Distribution of operational holding across quintiles of operational holdings (per cent)

Table B.4 Distribution of rural households, owned land and operated area across social groups

Table B.5 Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Table B.6 Distribution of total leased-in area under various term of lease (per cent)

Himachal Pradesh

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	878	58	32.8	31,083	876.7	639,559
2002-03	1152	76	19.5	16,285	731.8	571,810
2012-13	648	51	22.3	24,860	470.6	394,512

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	613	907	487
1-2 ha	144	174	106
2-3 ha	60	50	30
3-4 ha	32	8	13
4-5 ha	13	8	6
>5 ha	16	5	6

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	40	66	39
1-2 ha	12	8	8
2-3 ha	4	2	1
3-4 ha	2	0	1
4-5 ha	0	0	1
>5 ha	0	0	1

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	133	231	155
Q1	25	0	0
Q2	126	147	60
Q3	134	192	57
Q4	174	244	94
Q5	286	338	282
All households	878	1152	648

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	19	21	20
Q1	5	0	0
Q2	9	24	13
Q3	12	12	2
Q4	9	11	5
Q5	4	8	11
All households	58	76	51

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	188	266	137
ST	59	127	37
Muslims	—	12	1
Others	—	747	473
Muslim+ Others	631	759	474

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	10	23	11
ST	1	2	2
Others	—	51	38
Muslims	—	—	—
Muslim+ Others	47	51	38

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.2	0.0	0.0
Q2	5.3	3.4	2.9
Q3	11.2	10.5	9.8
Q4	20.0	21.7	20.7
Q5	63.3	64.4	66.6
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.7	0.0	0.0
Q2	5.9	4.4	4.2
Q3	11.3	11.0	10.3
Q4	20.3	21.8	21.3
Q5	61.8	62.8	64.2
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	15.8	22.8	24.2	0.0	0.0	0.0
0-1 ha	67.6	64.7	70.0	41.7	49.3	63.4
1-2 ha	10.0	8.5	4.4	21.3	24.7	21.4
2-3 ha	3.7	2.6	0.8	13.4	13.1	6.3
3-4 ha	1.6	0.7	0.3	8.3	5.0	3.7
4-5 ha	0.6	0.4	0.1	4.5	3.9	1.5
>5 ha	0.7	0.3	0.1	10.7	3.8	3.7
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	12.8	20.8	20.9	0.0	0.0	0.0
0-1 ha	69.5	67.2	73.0	41.5	51.5	64.2
1-2 ha	10.8	8.0	4.8	22.0	23.3	20.8
2-3 ha	3.8	2.6	0.8	13.1	12.8	6.4
3-4 ha	1.8	0.7	0.3	8.8	4.9	3.5
4-5 ha	0.6	0.4	0.1	4.3	3.9	1.8
>5 ha	0.7	0.3	0.1	10.2	3.7	3.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	25.7	22.9	28.7	16.1	14.6	15.1	15.7	14.9	16.1
ST	2.0	7.4	5.0	2.3	7.4	4.2	2.2	7.2	4.2
Muslim	—	0.8	0.0	—	0.5	0.2	—	0.5	0.2
Others	—	68.9	66.3	—	77.5	80.6	—	77.5	79.5
Muslim+ Others	72.3	69.7	66.4	81.6	78.0	80.7	82.1	78.0	79.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Table A.13. Tenant households as a proportion of all rural households, tenant households/cultivator households, leased-in area/ total operated area (per cent)

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	7.4	8.5	4.9
2002-03	6.7	8.5	2.8
2012-13	9.9	12.5	6.3

4 Types of contracts

Table A.14. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	27.2	30.5
Fixed produce	14.7	2.0
Produce share	31.5	8.4
Other	26.5	59.1
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Table A.15. Distribution of all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	12.8	20.8	20.9
0-1 ha	69.5	67.2	73.0
1-2 ha	10.8	8.0	4.8
2-3 ha	3.8	2.6	0.8
3-4 ha	1.8	0.7	0.3
4-5 ha	0.6	0.4	0.1
>5 ha	0.7	0.3	0.1
Total	100.0	100.0	100.0

Table A.16. Distribution of tenant households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	81.0	96.6	93.2
1-2 ha	13.9	3.0	5.3
2-3 ha	2.5	0.4	0.7
3-4 ha	2.7	0.0	0.5
4-5 ha	0.0	0.0	0.2
>5 ha	0.0	0.0	0.2
Total	100.0	100.0	100.0

Table A.17. Proportion of tenants among all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	8.6	9.6	12.6
1-2 ha	9.5	2.5	11.0
2-3 ha	4.8	1.1	8.0
3-4 ha	11.2	0.0	16.7
4-5 ha	0.0	0.0	16.0
>5 ha	0.0	0.0	13.7

Table A.18. Distribution of operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	41.5	51.5	64.2
1-2 ha	22.0	23.3	20.8
2-3 ha	13.1	12.8	6.4
3-4 ha	8.8	4.9	3.5
4-5 ha	4.3	3.9	1.8
>5 ha	10.2	3.7	3.2
Total	100.0	100.0	100.0

Table A.19. Distribution of leased-in area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	51.2	91.8	63.0
1-2 ha	24.9	7.1	20.7
2-3 ha	5.9	1.2	7.2
3-4 ha	17.9	0.0	6.5
4-5 ha	0.0	0.0	2.4
>5 ha	0.0	0.0	0.1
Total	100.0	100.0	100.0

Table A.20. Proportion of leased-in area in total operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	6.0	5.1	6.2
1-2 ha	5.5	0.9	6.3
2-3 ha	2.2	0.3	7.1
3-4 ha	9.9	0.0	11.7
4-5 ha	0.0	0.0	8.5
>5 ha	0.0	0.0	0.3

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	48.4	25.7	27.9
Q2	17.0	47.7	45.8
Q3	20.0	12.2	7.6
Q4	10.9	9.0	12.6
Q5	3.7	5.4	6.1
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	55.1	27.8	42.8
Q2	9.4	43.5	27.0
Q3	12.6	14.6	5.3
Q4	20.1	6.4	3.2
Q5	2.8	7.6	21.7
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	19.3	8.6	13.7
Q1	12.8	—	—
Q2	6.3	17.3	25.8
Q3	7.4	4.1	3.8
Q4	4.0	3.0	6.1
Q5	1.4	1.8	3.0
All households	7.4	6.7	9.9

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.099	0.019	0.040
Q1	0.055	—	—
Q2	0.015	0.032	0.022
Q3	0.021	0.010	0.005
Q4	0.033	0.004	0.003
Q5	0.005	0.005	0.020
All households	0.033	0.014	0.019

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	25.7	22.9	28.7
ST	2.0	7.4	5.0
Muslim	—	0.8	0.0
Others	—	68.9	66.3
Muslim+	72.3	69.7	66.4
Others	—	—	—
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	18.1	33.5	41.8
ST	0.3	1.6	2.3
Muslim	—	—	—
Others	—	65.0	55.9
Muslim+	81.6	65.0	55.9
Others	—	—	—
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	5.2	9.8	14.4
ST	1.1	1.4	4.5
Muslim	—	—	—
Others	—	6.3	8.3
Muslim+	8.4	6.2	8.3
Others	—	—	—

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	15.7	14.9	16.1
ST	2.2	7.2	4.2
Muslim	—	0.5	0.2
Others	—	77.5	79.5
Muslim+	82.1	78.0	79.7
Others	—	—	—
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	8.5	28.3	21.4
ST	0.2	3.4	2.5
Muslim	—	—	—
Others	—	68.3	76.0
Muslim+	91.2	68.3	76.0
Others	—	—	—
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	2.6	5.4	8.4
ST	0.5	1.3	3.8
Muslim	—	—	—
Others	—	2.5	6.0
Muslim+	5.4	2.5	6.0
Others	—	—	—

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	11.5	21.2	17.4	10.8	20.0	14.4
ST	16.3	13.1	23.7	15.3	13.1	23.7
Muslim	—	29.4	—	—	29.4	—
Others	—	24.3	27.2	—	21.9	23.5
Muslim+ Others	17.3	24.3	27.2	13.4	21.9	23.5

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	19	3.0	41.1	2.3	48.1
2002-03	22	2.0	29.5	0.9	32.2
2012-13	21	3.3	34.0	3.3	52.4

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	17.9	0.0	0.0	1.9	0.0	0.0
Q2	35.6	43.0	31.1	14.8	18.3	4.3
Q3	20.1	39.8	7.1	14.8	47.1	3.9
Q4	16.8	17.2	51.3	26.3	34.6	54.2
Q5	9.5	0.0	10.5	42.3	0.0	37.6
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	6.1	5.9	17.1
ST	6.6	—	—
Muslim	—	—	—
Others	—	10.1	13.8
Muslim+ Others	22.7	10.0	13.8

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.12	0.29	0.23
ST	0.34	—	—
Muslim	—	—	—
Others	—	0.21	0.31
Muslim+ Others	0.54	0.21	0.31

Punjab

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	814	190	562.1	425,728	2484.6	2,216,757
2002-03	1291	160	366.4	526,189	1936.7	2,813,256
2012-13	727	146	339.5	528,763	1304.8	2,029,493

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	360	862	369
1-2 ha	65	96	125
2-3 ha	87	108	92
3-4 ha	64	57	49
4-5 ha	51	45	27
>5 ha	187	123	65

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	17	30	9
1-2 ha	13	17	25
2-3 ha	19	29	33
3-4 ha	22	16	26
4-5 ha	22	10	12
>5 ha	97	58	41

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	242	415	246
Q2	0	111	0
Q3	41	188	60
Q4	141	205	96
Q5	390	372	325
All households	814	1291	727

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	14	14	8
Q2	0	3	0
Q3	3	12	12
Q4	46	47	34
Q5	127	84	92
All households	190	160	146

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	200	458	222
ST	4	5	4
Muslims	—	12	6
Others	—	816	495
Muslim+ Others	609	828	501

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	8	21	17
ST	—	—	—
Others	—	138	129
Muslims	—	1	—
Muslim+ Others	182	139	129

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	0.1	0.1	0.1
Q4	14.8	13.7	9.2
Q5	85.2	86.2	90.7
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	0.1	0.1	0.1
Q4	16.2	12.9	9.8
Q5	83.7	87.0	90.1
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	51.2	32.7	46.3	0.0	0.0	0.0
0-1 ha	24.2	44.2	35.8	7.8	8.0	11.1
1-2 ha	8.4	9.7	8.1	13.5	16.5	20.3
2-3 ha	6.6	5.1	5.1	18.4	14.6	21.4
3-4 ha	3.8	2.4	1.5	14.7	9.7	8.9
4-5 ha	1.9	2.3	1.3	9.9	12.2	9.9
>5 ha	3.9	3.6	1.9	35.8	38.9	28.3
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	49.1	31.6	45.0	0.0	0.0	0.0
0-1 ha	24.0	44.6	34.3	6.5	6.6	7.1
1-2 ha	8.0	8.3	7.1	10.3	12.2	13.5
2-3 ha	6.4	6.0	5.4	14.3	15.1	17.3
3-4 ha	4.5	2.6	3.4	14.6	9.3	16.1
4-5 ha	2.1	1.9	1.7	8.8	8.7	10.0
>5 ha	5.9	5.2	3.1	45.5	48.1	36.1
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	40.1	38.6	39.8	5.3	1.1	2.9	4.7	2.4	3.6
ST	0.6	0.2	0.1	—	0.0	0.0	—	0.0	0.0
Muslim	—	1.2	0.9	—	0.0	0.3	—	0.0	0.2
Others	—	60.0	59.2	—	98.9	96.8	—	97.6	96.1
Muslim+ Others	59.2	61.1	60.1	94.7	98.9	97.1	95.3	97.6	96.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	12.7	24.9	19.2
2002-03	9.7	14.2	18.7
2012-13	11.0	20.1	26.1

4 Types of contracts

Terms of lease	2002-03	2012-13
Fixed money	77.5	89.7
Fixed produce	1.3	1.1
Produce share	13.5	1.9
Other	7.7	7.3
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Size class	1991-92	2002-03	2012-13
Landless	49.1	31.6	45.0
0-1 ha	24.0	44.6	34.3
1-2 ha	8.0	8.3	7.1
2-3 ha	6.4	6.0	5.4
3-4 ha	4.5	2.6	3.4
4-5 ha	2.1	1.9	1.7
>5 ha	5.9	5.2	3.1
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	30.0	26.1	24.5
1-2 ha	13.8	15.6	12.7
2-3 ha	10.7	18.5	18.1
3-4 ha	15.3	10.3	23.7
4-5 ha	7.1	3.5	6.5
>5 ha	23.1	26.0	14.5
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	15.9	5.7	7.9
1-2 ha	22.1	18.3	19.7
2-3 ha	21.1	30.3	37.2
3-4 ha	43.0	39.0	77.5
4-5 ha	43.2	18.1	42.1
>5 ha	49.6	49.1	52.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	6.5	6.6	7.1
1-2 ha	10.3	12.2	13.5
2-3 ha	14.3	15.1	17.3
3-4 ha	14.6	9.3	16.1
4-5 ha	8.8	8.7	10.0
>5 ha	45.5	48.1	36.1
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	5.6	2.7	2.3
1-2 ha	6.7	8.5	5.2
2-3 ha	8.8	14.1	13.8
3-4 ha	16.2	12.0	29.1
4-5 ha	7.6	3.8	9.5
>5 ha	55.2	59.0	40.1
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	16.6	7.5	8.5
1-2 ha	12.4	13.0	10.0
2-3 ha	11.7	17.4	20.7
3-4 ha	21.3	24.2	47.2
4-5 ha	16.8	8.2	24.7
>5 ha	23.3	22.9	29.0

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	6.6	7.3	5.0
Q2	6.6	17.6	5.0
Q3	44.4	35.2	41.8
Q4	38.9	38.5	45.3
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	2.3	0.6	1.5
Q2	2.3	14.1	1.5
Q3	36.4	28.4	35.3
Q4	57.5	56.7	57.4
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	4.2	3.6	2.8
Q2	—	1.8	—
Q3	5.2	6.3	2.4
Q4	25.9	17.1	22.2
Q5	24.5	18.7	24.7
All households	12.7	9.7	11.0

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.024	0.005	0.014
Q2	—	0.006	—
Q3	0.034	0.121	0.062
Q4	0.360	0.249	0.334
Q5	0.582	0.500	0.545
All households	0.204	0.176	0.192

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	40.1	38.6	39.8
ST	0.6	0.2	0.1
Muslim	—	1.2	0.9
Others	—	60.0	59.2
Muslim+	59.2	61.1	60.1
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	13.3	14.6	9.1
ST	—	—	—
Muslim	—	1.1	—
Others	—	84.2	90.9
Muslim+	86.7	85.4	90.9
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	4.3	3.7	2.5
ST	—	—	—
Muslim	—	9.3	—
Others	—	13.7	17.0
Muslim+	18.9	13.6	16.7
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	4.7	2.4	3.6
ST	—	—	—
Muslim	—	—	0.2
Others	—	97.6	96.1
Muslim+	95.3	97.6	96.3
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	1.9	8.0	5.5
ST	—	—	—
Muslim	—	—	—
Others	—	92.0	94.5
Muslim+	98.1	92.0	94.5
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	7.8	61.7	39.2
ST	—	—	—
Muslim	—	80.9	—
Others	—	17.6	25.6
Muslim+	19.8	17.6	25.6
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	76.9	45.3	63.3	73.7	44.2	61.8
Muslim	—	61.2	58.4	—	52.0	58.4
Others	—	24.1	34.6	—	23.1	33.5
Muslim+ Others	31.9	24.8	35.0	30.4	23.6	33.8

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	14	2.1	16.8	1.2	6.0
2002-03	14	1.2	12.0	0.2	0.9
2012-13	8	1.3	11.6	0.9	3.5

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0	0.0	0.0	0.0
Q2	0.0	15.0	0.0	0.0	0.1	0.0
Q3	16.3	51.5	23.7	0.3	1.2	0.1
Q4	70.1	32.4	70.8	44.6	76.5	47.2
Q5	13.6	1.1	5.5	55.0	22.2	52.7
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	4.2	2.5	2.3
ST	—	—	—
Muslim	—	15.2	—
Others	—	4.3	3.4
Muslim+ Others	4.7	4.8	3.3

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.20	0.23	0.77
ST	—	—	—
Muslim	—	0.06	—
Others	—	0.09	0.30
Muslim+ Others	1.11	0.09	0.30

10 Northern Punjab

Northern Punjab includes Gurdaspur, Amritsar, Kapurthala, Jalandhar, Hoshiarpur, Nawanshahr, Rupnagar, S.A.S. Nagar (Mohali), and Tarn Taran districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	421	88	263.3	160,190	1045.6	808,879
2002-03	685	89	192.8	226,582	974	1,199,659
2012-13	359	54	127.7	145,811	556.4	651,569

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	0.2	0.1	0.1
Q4	13.8	9.2	6.0
Q5	86.0	90.7	93.9
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	0.2	0.1	0.1
Q4	15.3	8.7	7.8
Q5	84.4	91.2	92.0
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	40.7	41.1	40.5	10.2	1.9	3.8	8.6	2.3	4.4
ST	—	0.4	0.2	—	0.0	0.1	—	0.0	0.1
Muslim	—	0.8	—	—	0.0	—	—	0.0	—
Others	—	57.7	59.3	—	98.1	96.1	—	97.7	95.5
Muslim+ Others	59.3	—	—	89.8	—	—	91.4	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	11.1	9.3	8.5
Tenants/Cultivators	20.6	15.0	15.8
Leased-in area/Operated area	19.8	18.9	22.4

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	86.2	75.2
Fixed produce	0.9	3.6
Produce share	3.9	1.1
Other	9.0	20.0
Total	100.0	100.0

11 Southern Punjab

Southern Punjab includes Fatehgarh Sahib, Ludhiana, Moga, Ferozpur, Muktsar, Faridkot, Bathinda, Mansa, Sangrur, Patiala, Barnala, and Ludhiana districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	393	102	298.7	265,537	1439.1	1,407,878
2002-03	606	71	173.6	299,607	962.7	1,613,597
2012-13	368	92	211.8	382,952	748.4	1,377,924

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	0.0	0.2	0.1
Q4	15.3	17.0	10.3
Q5	84.7	82.8	89.6
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	0.1	0.1	0.1
Q4	16.6	16.1	10.6
Q5	83.4	83.8	89.3
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	39.6	35.4	39.2	2.5	0.5	2.4	2.4	2.5	3.3
ST	1.3	0.0	—	—	0.0	—	—	0.0	—
Muslim	—	1.6	1.8	—	0.0	0.5	—	0.0	0.3
Others	—	63.0	59.0	—	99.5	97.2	—	97.5	96.4
Muslim+ Others	59.1	—	—	97.5	—	—	97.6	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	14.3	10.3	13.6
Tenants/Cultivators	29.6	13.4	24.4
Leased-in area/Operated area	18.9	18.6	27.8

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	71.0	96.1
Fixed produce	1.7	0.0
Produce share	20.7	2.2
Other	6.7	1.7
Total	100.0	100.0

Haryana

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	480	76	286.1	1,532,070	1473.4	4,541,447
2002-03	930	155	336.1	485,069	1750.2	3,134,977
2012-13	592	75	134.9	316,424	872.1	2,077,060

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	196	546	302
1-2 ha	62	90	140
2-3 ha	42	92	68
3-4 ha	40	53	34
4-5 ha	41	46	15
>5 ha	99	103	33

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	6	27	6
1-2 ha	9	24	26
2-3 ha	8	28	12
3-4 ha	11	21	13
4-5 ha	8	19	4
>5 ha	34	36	14

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	98	198	149
Q2	48	101	54
Q3	71	123	80
Q4	72	190	88
Q5	191	318	221
All households	480	930	592

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	10	5	6
Q2	8	5	8
Q3	16	17	12
Q4	11	56	14
Q5	31	72	35
All households	76	155	75

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	89	229	106
ST	1	2	2
Muslims	—	39	50
Others	—	660	434
Muslim+ Others	390	699	484

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	8	18	9
ST	—	—	1
Others	—	136	59
Muslims	—	1	6
Muslim+ Others	68	137	65

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.6	0.0	0.3
Q3	7.2	0.9	7.4
Q4	23.2	14.4	21.5
Q5	68.9	84.7	70.9
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	1.1	0.0	1.7
Q3	6.8	0.8	8.1
Q4	21.1	14.6	22.8
Q5	70.9	84.6	67.4
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	27.3	30.9	27.9	0.0	0.0	0.0
0-1 ha	35.3	45.2	47.0	8.7	9.8	15.6
1-2 ha	14.4	9.9	10.2	17.2	14.3	19.5
2-3 ha	11.1	5.4	9.5	20.7	13.5	30.5
3-4 ha	4.9	2.0	2.9	14.1	7.4	13.3
4-5 ha	2.6	2.2	1.0	9.6	10.4	6.1
>5 ha	4.4	4.4	1.5	29.7	44.7	15.1
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	25.0	30.6	27.9	0.0	0.0	0.0
0-1 ha	33.3	44.6	45.3	5.3	8.6	14.1
1-2 ha	11.3	8.8	10.2	8.7	11.7	17.6
2-3 ha	10.7	6.3	9.2	13.2	14.8	26.2
3-4 ha	6.7	2.6	4.2	12.6	9.1	17.5
4-5 ha	4.7	2.3	1.2	11.1	10.2	6.3
>5 ha	8.2	4.9	2.0	49.0	45.6	18.3
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	26.3	29.2	17.5	6.3	2.9	1.1	6.6	4.3	1.6
ST	0.1	0.3	0.1	—	0.0	0.8	—	0.0	0.8
Muslim	—	2.8	5.9	—	4.0	2.5	—	3.7	2.5
Others	—	67.7	76.4	—	93.1	95.6	—	92.0	95.2
Muslim+ Others	73.6	70.5	82.3	93.7	97.1	98.1	93.4	95.7	97.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	14.0	18.7	33.7
2002-03	9.6	13.9	15.5
2012-13	6.6	9.1	15.2

4 Types of contracts

Terms of lease	2002-03	2012-13
Fixed money	68.1	75.4
Fixed produce	8.6	8.0
Produce share	16.9	1.9
Other	6.3	14.7
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Size class	1991-92	2002-03	2012-13
Landless	25.0	30.6	27.9
0-1 ha	33.3	44.6	45.3
1-2 ha	11.3	8.8	10.2
2-3 ha	10.7	6.3	9.2
3-4 ha	6.7	2.6	4.2
4-5 ha	4.7	2.3	1.2
>5 ha	8.2	4.9	2.0
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	10.7	28.3	31.6
1-2 ha	11.9	17.0	15.7
2-3 ha	5.1	18.7	8.7
3-4 ha	27.4	11.4	21.3
4-5 ha	16.0	6.5	4.0
>5 ha	28.9	18.1	18.7
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	4.5	6.1	4.6
1-2 ha	14.8	18.7	10.2
2-3 ha	6.8	28.8	6.2
3-4 ha	57.1	41.7	33.0
4-5 ha	47.3	27.4	21.9
>5 ha	49.4	35.6	60.8

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	5.3	8.6	14.1
1-2 ha	8.7	11.7	17.6
2-3 ha	13.2	14.8	26.2
3-4 ha	12.6	9.1	17.5
4-5 ha	11.1	10.2	6.3
>5 ha	49.0	45.6	18.3
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	1.0	7.4	11.0
1-2 ha	2.6	8.8	10.5
2-3 ha	1.3	15.6	6.4
3-4 ha	13.1	14.5	15.7
4-5 ha	8.0	9.2	8.1
>5 ha	74.0	44.6	48.2
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	6.4	13.2	11.9
1-2 ha	10.0	11.5	9.1
2-3 ha	3.2	16.4	3.7
3-4 ha	35.1	24.7	13.7
4-5 ha	24.3	13.9	19.6
>5 ha	50.9	15.2	40.2

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	11.6	2.9	22.2
Q2	19.3	12.2	22.5
Q3	39.6	43.5	14.1
Q4	22.0	38.0	25.4
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	32.9	1.0	8.2
Q2	20.6	11.2	20.2
Q3	15.2	29.5	15.6
Q4	26.6	55.0	15.7
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	8.1	1.4	7.3
Q2	8.4	3.7	8.6
Q3	10.6	5.1	4.6
Q4	27.6	21.0	4.8
Q5	15.4	18.2	8.0
All households	14.0	9.6	6.6

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	1.030	0.007	0.050
Q2	0.233	0.055	0.408
Q3	0.272	0.082	0.105
Q4	0.472	0.229	0.099
Q5	0.831	0.422	0.092
All households	0.626	0.154	0.122

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	26.3	29.2	17.5
ST	0.1	0.3	0.1
Muslim	—	2.8	5.9
Others	—	67.7	76.4
Muslim+	73.6	70.5	82.3
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	14.4	7.3	8.0
ST	—	—	1.7
Muslim	—	0.7	2.6
Others	—	92.0	87.8
Muslim+	85.6	92.7	90.4
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	7.7	2.4	3.0
ST	—	—	92.2
Muslim	—	2.4	2.8
Others	—	13.1	7.6
Muslim+	16.3	12.7	7.2
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	6.6	4.3	1.6
ST	—	—	0.8
Muslim	—	3.7	2.5
Others	—	92.0	95.2
Muslim+	93.4	95.7	97.7
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	7.1	11.0	4.1
ST	—	—	—
Muslim	—	0.2	1.4
Others	—	88.8	94.5
Muslim+	92.9	89.0	95.9
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	36.6	39.7	39.3
ST	—	—	0.1
Muslim	—	0.7	8.8
Others	—	14.9	15.1
Muslim+	33.5	14.4	15.0
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	52.5	40.5	75.1	48.7	40.2	73.6
ST	100.0	—	7.8	100.0	1.4 (-14)	7.8
Muslim	—	26.4	16.5	—	26.4	16.5
Others	—	27.1	17.9	—	26.8	18.3
Muslim+ Others	18.2	27.1	17.8	16.5	26.8	18.2

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	10	2.2	15.7	15.1	44.8
2002-03	5	0.4	4.4	0.2	1.5
2012-13	7	2.0	31.0	1.8	11.6

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0	0.0	0.0	0.0
Q2	10.8	1.8	11.9	0.0	0.0	0.0
Q3	34.1	1.5	75.0	3.4	0.0	84.8
Q4	0.0	96.7	8.3	0.0	100.0	7.2
Q5	55.0	0.0	4.8	96.6	0.0	8.0
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	7.3	0.8	2.0
ST	—	—	—
Muslim	—	—	—
Others	—	1.8	12.9
Muslim+ Others	9.0	1.8	12.1

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	1.11	1.08	0.17
ST	—	—	—
Muslim	—	—	—
Others	—	0.40	0.77
Muslim+ Others	22.44	0.40	0.77

10 Eastern Haryana

Eastern Haryana includes Panchkula, Ambala, Yamunanagar, Kurukshetra, Kaithal, Karnal, Panipat, Sonipat, Rohtak, Jhajjar, Gurgaon, Faridabad, Mewat, and Palwal districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	256	22	41.1	87,035	654.8	1,360,719
2002-03	536	88	170.9	284,262	992.9	1,696,890
2012-13	360	50	89.4	100,012	530.2	788,668

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	2.0	0.2	1.1
Q4	20.7	11.2	15.2
Q5	77.2	88.6	83.7
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	2.4	0.1	0.3
Q4	20.8	10.6	13.0
Q5	76.7	89.2	86.7
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	29.2	25.0	18.3	9.0	2.0	1.0	8.9	1.9	1.0
ST	—	0.6	0.0	—	0.0	—	—	0.0	—
Muslim	—	4.3	9.3	—	7.7	5.9	—	6.9	6.4
Others	—	70.2	72.4	—	90.3	93.2	—	91.2	92.6
Muslim+ Others	70.8	—	—	91.0	—	—	91.1	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	5.2	9.5	3.9
Tenants/Cultivators	7.4	14.9	6.0
Leased-in area/Operated area	6.4	16.8	12.7

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	87.4	70.8
Fixed produce	4.5	24.6
Produce share	4.5	3.8
Other	3.6	0.8
Total	100.0	100.0

11 Western Haryana

Western Haryana includes Jind, Fatehabad, Sirsa, Hisar, Bhiwani, Mahendragarh, and Rewari districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	224	54	245	1,445,034	818.6	3,180,728
2002-03	394	67	165.2	200,806	757.3	1,438,086
2012-13	232	25	45.5	216,412	341.8	1,288,392

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.0	0.0	0.5
Q3	10.7	1.5	11.7
Q4	24.8	17.6	26.3
Q5	63.5	80.9	61.6
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.5	0.0	1.2
Q3	8.6	1.5	14.4
Q4	21.5	19.2	26.6
Q5	68.4	79.2	57.9
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	23.5	35.7	16.3	4.3	3.9	1.1	5.6	7.1	1.9
ST	0.1	—	0.3	—	—	1.5	—	—	1.2
Muslim	—	0.5	0.6	—	—	0.0	—	—	0.0
Others	—	63.7	82.8	—	96.1	97.4	—	92.9	96.8
Muslim+ Others	76.4	—	—	95.7	—	—	94.4	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	23.1	9.9	10.9
Tenants/Cultivators	28.8	12.5	13.2
Leased-in area/Operated area	45.4	14.0	16.8

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	42.1	77.5
Fixed produce	14.1	0.4
Produce share	33.6	1.1
Other	10.1	21.0
Total	100.0	100.0

Uttarakhand

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	256	38	32.5	59,034	240.5	385,259
2002-03	416	26	8.3	19,558	188.5	451,902
2012-13	304	11	2.2	19,938	158.3	505,049

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	198	369	266
1-2 ha	32	38	19
2-3 ha	12	8	8
3-4 ha	3	0	4
4-5 ha	3	0	4
>5 ha	8	1	3

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	27	24	10
1-2 ha	4	1	1
2-3 ha	1	1	0
3-4 ha	2	0	0
4-5 ha	2	0	0
>5 ha	2	0	0

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	41	71	58
Q1	0	6	0
Q2	19	67	23
Q3	42	88	66
Q4	63	72	73
Q5	91	112	84
All households	256	416	304

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	18	8	3
Q1	0	0	0
Q2	5	5	5
Q3	5	6	1
Q4	3	6	2
Q5	7	1	0
All households	38	26	11

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	31	109	52
ST	12	5	16
Muslims	—	24	18
Others	—	278	218
Muslim+ Others	213	302	236

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	7	10	4
ST	1	2	—
Others	—	11	7
Muslims	—	3	—
Muslim+ Others	30	14	7

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.8	4.4	0.3
Q3	9.7	13.4	6.1
Q4	22.8	23.6	21.9
Q5	66.8	58.7	71.7
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	3.3	4.8	0.5
Q3	11.3	13.9	6.5
Q4	21.6	23.2	20.7
Q5	63.8	58.0	72.2
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	30.0	19.1	33.4	0.0	0.0	0.0
0-1 ha	60.8	74.1	61.2	54.8	69.0	64.3
1-2 ha	6.8	5.6	3.5	23.8	19.9	15.0
2-3 ha	1.7	0.9	1.0	9.9	6.1	8.0
3-4 ha	0.3	0.0	0.2	3.1	0.0	2.8
4-5 ha	0.1	0.0	0.4	0.8	0.0	5.2
>5 ha	0.3	0.3	0.2	7.7	5.0	4.7
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	19.8	17.3	33.0	0.0	0.0	0.0
0-1 ha	68.9	75.8	61.0	51.7	70.3	62.0
1-2 ha	8.2	5.7	4.1	23.9	20.3	17.8
2-3 ha	2.2	1.0	1.0	11.1	6.4	7.8
3-4 ha	0.2	0.0	0.2	1.4	0.0	2.8
4-5 ha	0.3	0.0	0.4	2.9	0.0	5.1
>5 ha	0.5	0.2	0.2	9.0	3.0	4.5
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	16.9	23.2	21.1	4.7	20.1	11.9	6.2	20.5	11.4
ST	2.7	1.4	5.4	11.6	2.2	3.5	10.1	3.5	3.4
Muslim	—	5.5	8.2	—	3.7	11.4	—	2.5	11.1
Others	—	69.9	65.3	—	74.0	73.2	—	73.6	74.1
Muslim+ Others	80.3	75.4	73.5	83.8	77.8	84.6	83.7	76.1	85.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	16.8	20.9	15.3
2002-03	5.7	6.9	4.3
2012-13	3.9	5.8	3.9

4 Types of contracts

Terms of lease	2002-03	2012-13
Fixed money	30.7	6.0
Fixed produce	21.5	43.0
Produce share	26.1	0.6
Other	21.7	50.5
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Size class	1991-92	2002-03	2012-13
Landless	19.8	17.3	33.0
0-1 ha	68.9	75.8	61.0
1-2 ha	8.2	5.7	4.1
2-3 ha	2.2	1.0	1.0
3-4 ha	0.2	0.0	0.2
4-5 ha	0.3	0.0	0.4
>5 ha	0.5	0.2	0.2
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	85.1	97.1	84.5
1-2 ha	8.8	1.8	15.5
2-3 ha	3.2	1.1	0.0
3-4 ha	0.7	0.0	0.0
4-5 ha	1.3	0.0	0.0
>5 ha	0.8	0.0	0.0
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	20.7	7.3	5.3
1-2 ha	18.1	1.8	14.7
2-3 ha	24.8	6.2	0.0
3-4 ha	64.7	0.0	0.0
4-5 ha	78.2	0.0	0.0
>5 ha	29.0	0.0	0.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	51.7	70.3	62.0
1-2 ha	23.9	20.3	17.8
2-3 ha	11.1	6.4	7.8
3-4 ha	1.4	0.0	2.8
4-5 ha	2.9	0.0	5.1
>5 ha	9.0	3.0	4.5
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	44.3	87.0	20.6
1-2 ha	23.0	4.5	79.4
2-3 ha	12.6	8.5	0.0
3-4 ha	1.5	0.0	0.0
4-5 ha	3.4	0.0	0.0
>5 ha	15.3	0.0	0.0
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	13.1	5.4	1.3
1-2 ha	14.8	1.0	17.6
2-3 ha	17.4	5.7	0.0
3-4 ha	16.4	0.0	0.0
4-5 ha	17.8	0.0	0.0
>5 ha	26.1	0.0	0.0

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	40.8	32.0	7.1
Q2	31.9	33.4	66.9
Q3	15.2	19.9	10.8
Q4	6.5	10.2	15.3
Q5	5.7	4.6	0.0
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	26.0	35.7	0.8
Q2	31.2	32.1	93.2
Q3	16.6	15.2	4.2
Q4	4.9	13.8	1.8
Q5	21.2	3.2	0.0
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	34.2	9.5	1.4
Q1	—	0.0	—
Q2	20.0	9.3	37.7
Q3	12.6	5.8	2.1
Q4	5.4	2.9	2.9
Q5	4.7	1.3	0.0
All households	16.8	5.7	3.9

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.091	0.031	0.000
Q1	—	—	—
Q2	0.131	0.026	0.176
Q3	0.058	0.013	0.003
Q4	0.017	0.011	0.001
Q5	0.074	0.003	—
All households	0.070	0.016	0.012

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	16.9	23.2	21.1
ST	2.7	1.4	5.4
Muslim	—	5.5	8.2
Others	—	69.9	65.3
Muslim+	80.3	75.4	73.5
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	29.1	35.5	48.0
ST	1.2	15.4	—
Muslim	—	6.8	—
Others	—	42.2	52.0
Muslim+	69.7	49.1	52.0
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	28.9	8.7	8.8
ST	7.1	62.9	—
Muslim	—	7.1	—
Others	—	3.4	3.1
Muslim+	14.6	3.7	2.7
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	6.2	20.5	11.4
ST	10.1	3.5	3.4
Muslim	—	2.5	11.1
Others	—	73.6	74.1
Muslim+	83.7	76.1	85.2
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	14.4	23.7	10.6
ST	2.3	30.8	—
Muslim	—	5.2	—
Others	—	40.3	89.4
Muslim+	83.3	45.5	89.4
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	35.8	5.0	3.7
ST	3.4	38.6	—
Muslim	—	8.9	—
Others	—	2.4	4.8
Muslim+	15.3	2.6	4.1
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	41.5	21.9	32.7	24.7	18.2	32.7
ST	—	2.3	0.9	—	2.3	0.9
Muslim	—	70.3	64.0	—	66.6	64.0
Others	—	14.5	32.6	—	13.4	31.9
Muslim+ Others	28.6	18.6	36.1	19.4	17.3	35.5

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	18	10.3	61.2	6.0	39.0
2002-03	9	2.0	34.4	1.5	35.7
2012-13	3	0.5	11.8	0.1	1.4

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	2.3	0.0	0.0	0.0	0.0
Q2	34.4	43.3	11.7	7.4	11.4	3.6
Q3	49.8	15.5	88.3	42.6	13.9	96.4
Q4	8.9	4.1	0.0	18.0	5.1	0.0
Q5	6.9	34.8	0.0	31.9	69.6	0.0
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	40.3	16.7	—
ST	—	—	—
Muslim	—	5.3	—
Others	—	9.0	2.1
Muslim+ Others	32.3	7.9	1.7

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.06	0.12	—
ST	—	—	—
Muslim	—	0.16	—
Others	—	0.49	0.04
Muslim+ Others	0.34	0.43	0.04

Uttar Pradesh

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	3915	559	481.9	1,746,027	6227.4	16,390,924
2002-03	6765	817	485.9	1,509,077	6034.1	15,308,590
2012-13	4920	477	336.5	938,526	5195.6	11,705,201

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	2064	4840	2912
1-2 ha	808	1079	1134
2-3 ha	454	415	490
3-4 ha	221	193	191
4-5 ha	147	91	95
>5 ha	221	147	98

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	215	491	237
1-2 ha	175	200	124
2-3 ha	80	59	72
3-4 ha	35	35	21
4-5 ha	22	9	9
>5 ha	32	23	14

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	564	1490	1127
Q1	46	99	0
Q2	529	1143	531
Q3	579	1076	455
Q4	743	1066	565
Q5	1454	1891	2242
All households	3915	6765	4920

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	50	93	81
Q1	10	15	0
Q2	125	208	103
Q3	110	170	51
Q4	136	165	86
Q5	128	166	156
All households	559	817	477

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	784	1684	1084
ST	51	51	52
Muslims	—	884	453
Others	—	4146	3331
Muslim+ Others	3079	5030	3784

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	157	247	105
ST	6	6	7
Others	—	473	336
Muslims	—	91	29
Muslim+ Others	396	564	365

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	2.8	2.0	1.9
Q3	10.2	8.7	7.9
Q4	22.0	20.2	20.5
Q5	65.1	69.1	69.7
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.1	0.0	0.0
Q2	3.6	2.4	2.5
Q3	11.4	9.4	8.7
Q4	22.7	21.0	20.4
Q5	62.2	67.1	68.4
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	18.2	19.4	22.2	0.0	0.0	0.0
0-1 ha	56.3	61.4	65.0	26.7	30.6	41.4
1-2 ha	14.8	11.9	8.5	25.4	25.1	25.8
2-3 ha	5.5	3.5	2.3	16.1	12.9	11.6
3-4 ha	2.3	1.6	1.0	9.4	8.3	7.4
4-5 ha	1.3	0.9	0.3	7.1	5.9	3.1
>5 ha	1.6	1.4	0.7	15.3	17.2	10.7
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	16.5	18.1	20.4	0.0	0.0	0.0
0-1 ha	54.1	61.1	66.2	24.3	30.4	41.5
1-2 ha	17.0	13.5	8.8	26.6	26.8	25.6
2-3 ha	6.4	3.5	2.5	17.0	12.1	12.5
3-4 ha	2.5	1.6	1.0	9.3	8.2	6.9
4-5 ha	1.6	0.8	0.4	7.6	5.3	3.2
>5 ha	1.8	1.4	0.6	15.2	17.3	10.3
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	25.2	27.1	24.7	11.4	12.9	10.6	13.3	14.3	11.1
ST	1.7	0.7	0.7	1.2	0.3	0.5	1.2	0.3	0.5
Muslim	—	13.1	12.9	—	7.9	5.7	—	7.8	5.8
Others	—	59.1	61.7	—	78.8	83.2	—	77.5	82.6
Muslim+ Others	73.1	72.1	74.7	87.4	86.7	88.9	85.5	85.3	88.4
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Table A.13. Tenant households as a proportion of all rural households, tenant households/cultivator households, leased-in area/ total operated area (per cent)

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	14.5	17.4	10.7
2002-03	13.2	16.1	9.9
2012-13	9.4	11.8	8.0

4 Types of contracts

Table A.14. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	21.6	25.0
Fixed produce	13.2	11.0
Produce share	51.5	50.8
Other	13.8	13.3
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Table A.15. Distribution of all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	16.5	18.1	20.4
0-1 ha	54.1	61.1	66.2
1-2 ha	17.0	13.5	8.8
2-3 ha	6.4	3.5	2.5
3-4 ha	2.5	1.6	1.0
4-5 ha	1.6	0.8	0.4
>5 ha	1.8	1.4	0.6
Total	100.0	100.0	100.0

Table A.16. Distribution of tenant households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	52.3	69.1	79.5
1-2 ha	30.7	22.0	13.8
2-3 ha	9.6	3.9	4.9
3-4 ha	3.0	2.5	0.7
4-5 ha	2.0	0.8	0.3
>5 ha	2.3	1.6	0.7
Total	100.0	100.0	100.0

Table A.17. Proportion of tenants among all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	14.0	15.0	11.3
1-2 ha	26.2	21.6	14.6
2-3 ha	21.5	14.7	18.4
3-4 ha	17.7	20.4	6.9
4-5 ha	18.8	12.7	7.5
>5 ha	18.3	15.0	10.8

Table A.18. Distribution of operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	24.3	30.4	41.5
1-2 ha	26.6	26.8	25.6
2-3 ha	17.0	12.1	12.5
3-4 ha	9.3	8.2	6.9
4-5 ha	7.6	5.3	3.2
>5 ha	15.2	17.3	10.3
Total	100.0	100.0	100.0

Table A.19. Distribution of leased-in area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	24.9	38.7	43.2
1-2 ha	32.6	32.1	32.2
2-3 ha	17.5	9.0	12.6
3-4 ha	7.6	6.6	3.1
4-5 ha	6.0	2.9	1.1
>5 ha	11.4	10.7	7.8
Total	100.0	100.0	100.0

Table A.20. Proportion of leased-in area in total operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	10.9	12.5	8.3
1-2 ha	13.1	11.8	10.1
2-3 ha	11.0	7.4	8.1
3-4 ha	8.7	8.0	3.6
4-5 ha	8.4	5.4	2.6
>5 ha	8.0	6.1	6.1

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	14.3	12.4	17.6
Q2	29.0	30.6	34.8
Q3	23.2	24.1	18.2
Q4	21.0	21.3	18.8
Q5	12.4	11.6	10.6
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	17.9	9.2	12.3
Q2	19.9	27.2	22.7
Q3	22.6	23.6	20.0
Q4	21.5	19.0	22.8
Q5	18.1	21.0	22.2
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	9.5	7.8	8.3
Q1	19.6	22.3	—
Q2	21.1	20.2	17.4
Q3	16.8	15.9	8.6
Q4	15.2	14.1	8.8
Q5	9.0	7.7	5.0
All households	14.5	13.2	9.4

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.083	0.030	0.024
Q1	0.130	0.065	—
Q2	0.097	0.093	0.047
Q3	0.110	0.080	0.039
Q4	0.104	0.065	0.044
Q5	0.088	0.072	0.043
All households	0.097	0.068	0.039

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	25.2	27.1	24.7
ST	1.7	0.7	0.7
Muslim	—	13.1	12.9
Others	—	59.1	61.7
Muslim+	73.1	72.1	74.7
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	31.8	32.3	21.4
ST	1.4	0.6	1.0
Muslim	—	10.7	6.7
Others	—	56.5	70.9
Muslim+	66.8	67.1	77.6
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	18.3	15.7	8.1
ST	11.9	10.7	13.6
Muslim	—	10.8	4.9
Others	—	12.6	10.8
Muslim+	13.2	12.3	9.8
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	13.3	14.3	11.1
ST	1.2	0.3	0.5
Muslim	—	7.8	5.8
Others	—	77.5	82.6
Muslim+	85.5	85.3	88.4
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	29.1	27.1	16.6
ST	0.9	0.2	0.6
Muslim	—	8.4	5.9
Others	—	64.4	76.9
Muslim+	70.0	72.8	82.8
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	23.3	18.6	12.0
ST	8.0	4.9	8.9
Muslim	—	10.6	8.2
Others	—	8.2	7.5
Muslim+	8.7	8.4	7.5
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	26.0	24.0	29.6	23.3	21.5	27.7
ST	20.7	37.8	44.9	20.7	37.5	40.4
Muslim	—	30.9	44.5	—	29.4	42.7
Others	—	14.5	14.4	—	13.7	12.6
Muslim+ Others	15.5	17.4	19.6	14.0	16.6	17.8

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	50	1.7	12.0	1.7	15.5
2002-03	95	1.5	11.6	0.9	8.6
2012-13	81	1.8	19.6	1.1	13.7

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	4.6	0.1	0.0	0.2	0.0	0.0
Q2	32.4	35.1	35.4	8.0	7.9	11.2
Q3	32.5	43.2	30.0	20.4	35.7	20.1
Q4	16.3	17.2	25.4	20.7	29.2	36.6
Q5	14.2	4.4	9.3	50.7	27.2	32.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	10.4	10.5	6.3
ST	—	9.3	10.0
Muslim	—	6.8	4.0
Others	—	6.4	12.5
Muslim+ Others	9.3	6.5	9.2

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.95	0.28	0.29
ST	—	0.03	0.05
Muslim	—	0.33	0.41
Others	—	0.56	0.27
Muslim+ Others	0.82	0.48	0.30

10 Western Uttar Pradesh

Western Uttar Pradesh includes Saharanpur, Muzaffarnagar, Bijnor, Moradabad, Rampur, Jyotiba Phule Nagar, Meerut, Baghpat, Ghaziabad, Gautam Buddha Nagar, Bulandshahr, Aligarh, Hathras Mahamaya Nagar, Mathura, Agra, Firozabad, Mainpuri, Budaun, Bareilly, Pilibhit, Shahjahanpur, Etah, and Kashiramnagar districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
2002-03	2039	261	191.6	521,049	1946.7	4,820,618
2012-13	1538	177	146.9	355,430	1826.4	4,035,743

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	2001-02	2012-13
Q1	0.0	0.0
Q2	0.2	0.0
Q3	6.5	5.2
Q4	18.9	19.7
Q5	74.5	75.0
Total	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	2001-02	2012-13
Q1	0.0	0.0
Q2	0.3	0.1
Q3	6.9	5.8
Q4	19.7	19.5
Q5	73.2	74.6
Total	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households		Distribution of owned land		Distribution of operated area	
	2002-03	2012-13	2002-03	2012-13	2002-03	2012-13
SC	23.7	18.4	10.4	5.9	10.9	5.8
ST	0.3	0.3	0.1	0.1	0.1	0.1
Muslim	18.1	22.5	10.1	7.7	10.6	7.3
Others	58.0	58.8	79.3	86.3	78.4	86.7
Total	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	2002-03	2012-13
Tenants/Rural households	12.2	8.4
Tenants/Cultivators	16.2	12.0
Leased-in area/Operated area	10.8	8.8

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	33.0	51.8
Fixed produce	15.4	8.1
Produce share	34.1	32.3
Other	17.5	7.7
Total	100.0	100.0

11 Central Uttar Pradesh

Central Uttar Pradesh includes Kheri, Sitapur, Hardoi, Unnao, Lucknow, Rae Bareli, Farrukhabad, Kannauj, Etawah, Auraiya, Kanpur Dehat, Kanpur Nagar, Fatehpur, Pratapgarh, Kaushambi, and Allahabad districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
2002-03	1656	256	161.2	506,191	1487.9	3,950,026
2012-13	1136	103	64.6	176,312	1150.3	2,775,188

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	2001-02	2012-13
Q1	0.0	0.0
Q2	2.6	2.6
Q3	9.7	9.8
Q4	21.7	20.1
Q5	66.0	67.5
Total	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	2001-02	2012-13
Q1	0.0	0.0
Q2	3.5	3.3
Q3	10.7	10.3
Q4	22.7	19.8
Q5	63.0	66.6
Total	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households		Distribution of owned land		Distribution of operated area	
	2002-03	2012-13	2002-03	2012-13	2002-03	2012-13
SC	32.6	28.3	16.4	18.3	19.0	18.0
ST	0.6	1.0	0.3	1.3	0.3	1.4
Muslim	9.4	8.4	5.7	5.9	5.5	6.1
Others	57.4	62.3	77.6	74.5	75.2	74.4
Total	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	2002-03	2012-13
Tenants/Rural households	16.7	8.5
Tenants/Cultivators	19.6	9.9
Leased-in area/Operated area	12.8	6.4

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	8.9	6.8
Fixed produce	14.2	15.0
Produce share	62.9	68.4
Other	14.0	9.9
Total	100.0	100.0

12 Bundelkhand

Bundelkhand includes Jalaun, Jhansi, Lalitpur, Hamirpur, Mahoba, Banda, and Chitrakoot districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
2002-03	320	22	21	88,390	325.3	1,580,830
2012-13	272	21	31.1	52,270	425.7	1,552,660

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	2001-02	2012-13
Q1	0.0	0.0
Q2	4.8	5.1
Q3	12.7	9.8
Q4	22.8	22.6
Q5	59.7	62.5
Total	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	2001-02	2012-13
Q1	0.0	0.1
Q2	4.3	4.8
Q3	13.0	9.5
Q4	22.5	23.6
Q5	60.1	62.0
Total	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households		Distribution of owned land		Distribution of operated area	
	2002-03	2012-13	2002-03	2012-13	2002-03	2012-13
SC	28.0	19.4	16.1	8.7	17.1	10.4
ST	1.5	0.4	0.1	0.5	0.1	0.5
Muslim	2.8	3.0	1.3	1.2	0.5	1.2
Others	67.7	77.1	82.4	89.7	82.2	87.9
Total	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	2002-03	2012-13
Tenants/Rural households	8.7	4.5
Tenants/Cultivators	10.1	5.4
Leased-in area/Operated area	5.6	3.4

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

13 Eastern Uttar Pradesh

Eastern Uttar Pradesh includes Barabanki, Faizabad, Ambedkar Nagar, Sultanpur, Bahraich, Shrawasti, Balrampur, Gonda, Siddharthnagar, Basti, Sant Kabir Nagar, Maharajganj, Gorakhpur, Kushinagar, Deoria, Azamgarh, Mau, Ballia, Jaunpur, Ghazipur, Chandauli, Varanasi, Sant Ravi Das Nagar Bhadohi, Mirzapur, and Sonbhadra districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
2002-03	2750	278	112.2	393,447	2274.2	4,957,116
2012-13	1974	176	93.9	354,513	1793.2	3,341,610

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	2001-02	2012-13
Q1	0.0	0.0
Q2	2.2	1.9
Q3	8.7	8.4
Q4	19.4	20.0
Q5	69.7	69.7
Total	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	2001-02	2012-13
Q1	0.0	0.0
Q2	3.0	3.3
Q3	9.7	9.8
Q4	20.3	20.8
Q5	67.0	66.1
Total	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households		Distribution of owned land		Distribution of operated area	
	2002-03	2012-13	2002-03	2012-13	2002-03	2012-13
SC	26.2	28.2	11.5	10.5	13.1	12.0
ST	1.1	0.8	0.6	0.4	0.6	0.4
Muslim	12.8	9.2	9.7	5.3	9.2	5.7
Others	59.9	61.8	78.1	83.7	77.1	81.9
Total	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	2002-03	2012-13
Tenants/Rural households	12.3	11.7
Tenants/Cultivators	14.6	14.1
Leased-in area/Operated area	7.9	10.6

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	22.7	9.1
Fixed produce	9.3	10.7
Produce share	57.7	64.2
Other	10.3	16.0
Total	100.0	100.0

Rajasthan

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	1414	95	298.7	856,958	5766.9	15,549,810
2002-03	2638	102	262.2	452,310	5939	14,513,089
2012-13	1692	136	194	726,751	2836.6	9,921,486

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	507	1301	903
1-2 ha	229	482	360
2-3 ha	134	200	187
3-4 ha	117	139	80
4-5 ha	83	163	56
>5 ha	344	353	106

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	23	15	57
1-2 ha	12	22	33
2-3 ha	7	13	19
3-4 ha	9	7	9
4-5 ha	8	14	5
>5 ha	36	31	13

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	218	432	277
Q1	6	240	98
Q2	228	381	202
Q3	233	360	231
Q4	286	488	362
Q5	443	737	522
All households	1414	2638	1692

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	26	9	46
Q1	1	20	8
Q2	17	16	24
Q3	15	15	25
Q4	15	23	18
Q5	21	19	15
All households	95	102	136

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	263	543	294
ST	186	374	304
Muslims	—	124	101
Others	—	1597	993
Muslim+ Others	963	1721	1094

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	24	22	27
ST	10	8	18
Others	—	64	81
Muslims	—	8	10
Muslim+ Others	61	72	91

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.2	0.1
Q2	3.8	4.0	3.8
Q3	11.6	11.0	9.2
Q4	22.8	21.3	20.9
Q5	61.8	63.5	66.0
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.1	0.2	0.2
Q2	4.3	3.9	4.0
Q3	11.7	11.1	9.1
Q4	23.2	21.5	20.7
Q5	60.9	63.3	66.1
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	19.4	12.2	15.3	0.0	0.0	0.0
0-1 ha	28.6	44.6	52.9	5.6	9.7	17.6
1-2 ha	17.5	15.8	15.4	9.9	11.1	18.1
2-3 ha	9.1	8.7	7.3	8.8	10.3	15.5
3-4 ha	7.6	4.9	3.3	10.1	8.1	9.8
4-5 ha	4.2	3.3	1.9	7.4	7.3	7.2
>5 ha	13.7	10.5	3.8	58.2	53.6	31.8
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	17.7	12.1	13.3	0.0	0.0	0.0
0-1 ha	29.1	44.5	55.0	5.6	9.4	17.5
1-2 ha	17.3	15.5	15.1	9.3	10.6	17.8
2-3 ha	8.8	8.7	7.5	8.0	10.2	15.7
3-4 ha	7.8	5.1	3.3	9.8	8.4	9.9
4-5 ha	4.5	3.4	2.0	7.4	7.2	7.6
>5 ha	14.9	10.8	3.7	59.9	54.2	31.6
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	21.3	19.7	25.1	11.7	10.1	13.5	12.9	9.9	15.1
ST	15.0	17.9	15.1	9.0	8.5	10.8	8.7	8.5	11.0
Muslim	—	4.7	5.4	—	2.9	4.3	—	3.0	4.7
Others	—	57.7	54.5	—	78.5	71.3	—	78.6	69.2
Muslim+ Others	63.7	62.4	59.8	79.4	81.5	75.7	78.4	81.6	73.9
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Table A.13. Tenant households as a proportion of all rural households, tenant households/cultivator households, leased-in area/ total operated area (per cent)

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	6.1	7.5	5.5
2002-03	3.2	3.6	3.1
2012-13	7.3	8.4	7.3

4 Types of contracts

Table A.14. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	32.9	29.6
Fixed produce	16.4	5.9
Produce share	40.0	41.7
Other	10.7	22.9
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Table A.15. Distribution of all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	17.7	12.1	13.3
0-1 ha	29.1	44.5	55.0
1-2 ha	17.3	15.5	15.1
2-3 ha	8.8	8.7	7.5
3-4 ha	7.8	5.1	3.3
4-5 ha	4.5	3.4	2.0
>5 ha	14.9	10.8	3.7
Total	100.0	100.0	100.0

Table A.16. Distribution of tenant households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	32.2	21.4	60.4
1-2 ha	12.8	26.4	16.2
2-3 ha	8.7	8.5	9.2
3-4 ha	9.3	12.5	5.8
4-5 ha	8.2	6.1	2.0
>5 ha	28.8	25.1	6.3
Total	100.0	100.0	100.0

Table A.17. Proportion of tenants among all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	6.8	1.5	8.0
1-2 ha	4.6	5.4	7.9
2-3 ha	6.1	3.1	9.1
3-4 ha	7.3	7.8	12.8
4-5 ha	11.2	5.8	7.2
>5 ha	11.9	7.3	12.3

Table A.18. Distribution of operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	5.6	9.4	17.5
1-2 ha	9.3	10.6	17.8
2-3 ha	8.0	10.2	15.7
3-4 ha	9.8	8.4	9.9
4-5 ha	7.4	7.2	7.6
>5 ha	59.9	54.2	31.6
Total	100.0	100.0	100.0

Table A.19. Distribution of leased-in area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	6.8	2.4	11.9
1-2 ha	5.0	8.5	13.3
2-3 ha	5.2	6.6	13.3
3-4 ha	6.8	11.1	11.9
4-5 ha	5.7	8.5	5.7
>5 ha	70.6	62.9	43.9
Total	100.0	100.0	100.0

Table A.20. Proportion of leased-in area in total operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	6.7	0.8	5.0
1-2 ha	3.0	2.5	5.5
2-3 ha	3.6	2.0	6.2
3-4 ha	3.8	4.1	8.8
4-5 ha	4.2	3.7	5.5
>5 ha	6.5	3.6	10.2

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	30.3	16.2	34.7
Q2	17.2	19.8	34.5
Q3	24.9	25.2	15.6
Q4	14.5	23.6	9.5
Q5	13.2	15.2	5.7
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	24.6	14.0	29.6
Q2	15.0	10.9	18.8
Q3	30.2	19.6	17.2
Q4	15.9	16.6	25.2
Q5	14.2	39.0	9.2
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	8.9	1.5	13.9
Q1	23.0	4.2	8.9
Q2	5.3	3.1	12.7
Q3	7.6	4.0	5.7
Q4	4.4	3.7	3.5
Q5	4.1	2.4	2.1
All households	6.1	3.2	7.3

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.185	0.025	0.071
Q1	0.075	0.078	0.326
Q2	0.112	0.035	0.083
Q3	0.224	0.063	0.075
Q4	0.118	0.054	0.111
Q5	0.105	0.125	0.040
All households	0.148	0.064	0.088

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	21.3	19.7	25.1
ST	15.0	17.9	15.1
Muslim	—	4.7	5.4
Others	—	57.7	54.5
Muslim+	63.7	62.4	59.8
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	20.4	23.0	12.7
ST	8.3	8.5	13.5
Muslim	—	10.5	14.1
Others	—	57.9	59.7
Muslim+	71.4	68.4	73.8
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	5.9	3.7	3.7
ST	3.4	1.5	6.5
Muslim	—	7.0	19.3
Others	—	3.2	8.0
Muslim+	6.9	3.5	9.0
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	12.9	9.9	15.1
ST	8.7	8.5	11.0
Muslim	—	3.0	4.7
Others	—	78.6	69.2
Muslim+	78.4	81.6	73.9
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	34.0	16.5	26.1
ST	3.9	7.3	4.1
Muslim	—	2.3	6.6
Others	—	73.8	63.2
Muslim+	62.1	76.2	69.8
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	14.5	5.2	12.6
ST	2.5	2.7	2.8
Muslim	—	2.5	10.3
Others	—	2.9	6.7
Muslim+	4.4	2.9	6.9
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	34.3	25.2	26.3	30.8	24.9	25.9
ST	9.5	5.8	8.5	9.4	5.8	3.2
Muslim	—	19.4	15.8	—	19.4	15.1
Others	—	9.3	12.1	—	9.1	10.2
Muslim+ Others	16.6	10.0	12.5	15.1	9.9	10.6

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	26	1.7	28.0	1.3	24.3
2002-03	10	0.3	9.2	0.1	4.7
2012-13	47	2.5	33.7	1.0	13.3

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	9.1	2.7	25.0	0.0	0.0	1.2
Q2	31.3	52.9	47.7	8.7	10.7	18.8
Q3	31.1	0.0	8.5	17.5	0.0	12.8
Q4	21.1	28.6	15.7	23.5	31.4	47.3
Q5	7.5	15.7	3.1	50.3	57.9	19.8
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	10.0	0.8	1.5
ST	1.2	—	62.7
Muslim	—	—	4.6
Others	—	4.6	23.1
Muslim+ Others	9.3	3.9	21.0

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	3.81	1.25	0.09
ST	0.00	—	0.29
Muslim	—	—	2.38
Others	—	1.02	0.55
Muslim+ Others	0.85	1.02	0.59

10 Western Rajasthan

Western Rajasthan includes Ganganagar, Hanumangarh, Churu, Jhunjhunur, Sikar, Nagaur, Bikaner, Jodhpur, Jaisalmer, Barmer, Jalor, Sirohi, Pali districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	497	29	188.3	564,265	3445.2	9,357,128
2002-03	891	48	161.8	316,566	2741.3	9,429,500
2012-13	545	72	136.5	588,276	1285.3	4,849,683

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	3.6	3.5	2.5
Q3	11.3	10.6	7.8
Q4	22.8	21.5	21.2
Q5	62.4	64.4	68.5
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	3.8	3.4	2.8
Q3	11.7	10.8	8.3
Q4	23.5	21.6	20.4
Q5	61.0	64.2	68.5
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	28.2	24.5	21.6	13.0	11.1	18.4	14.9	10.8	20.5
ST	7.0	3.2	6.7	3.5	0.8	3.1	3.3	0.8	3.1
Muslim	—	4.0	4.9	—	2.8	5.4	—	2.7	5.9
Others	—	68.2	66.7	—	85.3	73.1	—	85.7	70.6
Muslim+ Others	64.7	—	—	83.5	—	—	81.8	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	5.4	4.2	11.5
Tenants/Cultivators	6.8	4.9	13.8
Leased-in area/Operated area	6.0	3.4	12.1

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

11 North-eastern Rajasthan

North-eastern Rajasthan includes Alwar, Bharatpur, Dhaulpur, Karauli, Sawai Madhopur, Dausa, Jaipur, Ajmer, Tonk, Bhilwara districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	574	33	47.4	161,862	1465.8	4,127,563
2002-03	1067	35	47.5	80,035	2039.6	3,192,204
2012-13	693	48	52.7	123,055	1052.7	3,693,277

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	3.4	3.1	4.1
Q3	11.5	11.0	8.8
Q4	23.0	21.5	20.5
Q5	62.1	64.3	66.6
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	4.4	3.1	3.2
Q3	11.6	11.0	9.4
Q4	23.1	21.6	19.6
Q5	60.8	64.2	67.8
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	18.4	22.2	28.5	8.3	9.6	8.0	8.2	10.0	8.7
ST	8.2	7.4	10.3	10.8	10.0	12.1	10.4	10.3	13.1
Muslim	—	8.2	7.3	—	4.9	4.3	—	5.0	4.6
Others	—	62.2	53.8	—	75.5	75.6	—	74.7	73.6
Muslim+ Others	73.4	—	—	80.8	—	—	81.4	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	6.0	3.3	6.3
Tenants/Cultivators	7.3	3.9	7.3
Leased-in area/Operated area	3.9	2.5	3.3

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	3.0	14.4
Fixed produce	2.3	11.2
Produce share	61.3	42.4
Other	33.4	32.0
Total	100.0	100.0

12 Southern Rajasthan

Southern Rajasthan includes Rajsamand, Udaipur, Dungarpur and Banswara districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	160	6	3.8	15,409	188.2	746,383
2002-03	328	2	1.2	2883	387	811,207
2012-13	230	14	3.1	10,413	156.6	405,081

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.6	3.3	1.1
Q2	7.1	10.1	9.3
Q3	14.6	14.6	13.6
Q4	22.1	21.6	21.1
Q5	55.7	50.3	54.9
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	1.0	3.3	2.2
Q2	7.3	10.1	9.1
Q3	14.5	15.6	13.4
Q4	22.7	20.5	20.7
Q5	54.5	50.4	54.6
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	7.7	4.7	27.4	6.6	3.6	20.8	6.4	3.8	20.4
ST	53.5	64.7	42.7	51.3	51.0	38.9	51.0	51.1	40.2
Muslim	—	0.1	3.6	—	—	1.6	—	—	1.6
Others	—	30.5	26.3	—	45.3	38.7	—	45.1	37.8
Muslim+ Others	38.8	—	—	42.2	—	—	42.5	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	3.6	0.7	5.7
Tenants/Cultivators	4.2	0.7	6.2
Leased-in area/Operated area	2.1	0.4	2.6

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

13 South-eastern Rajasthan

South Eastern Rajasthan includes Bundi, Chittaurgarh, Baran, Jhalawar, Pratapgarh and Kota districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	183	27	59.2	115,422	667.7	1,318,736
2002-03	352	17	51.7	52,826	771	1,080,178
2012-13	224	2	1.7	5008	342	973,445

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.1
Q2	3.3	5.3	6.2
Q3	11.3	11.3	12.1
Q4	20.7	19.3	21.0
Q5	64.7	64.1	60.7
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.1
Q2	3.7	5.1	6.2
Q3	10.5	10.7	12.1
Q4	20.5	18.6	20.7
Q5	65.2	65.6	61.0
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	29.3	17.3	17.8	16.1	7.2	10.5	16.8	7.1	10.6
ST	11.5	32.3	26.8	17.0	38.1	29.7	17.6	38.7	30.1
Muslim	—	2.0	0.6	—	0.9	0.4	—	0.9	0.4
Others	—	48.3	54.8	—	53.8	59.3	—	53.2	58.9
Muslim+ Others	59.1	—	—	66.8	—	—	65.6	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	12.0	2.7	0.6
Tenants/Cultivators	14.4	3.1	0.6
Leased-in area/Operated area	8.8	4.9	0.5

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

Madhya Pradesh

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	1732	117	242.9	768,946	6956.1	13,172,349
2002-03	2454	133	169.3	364,826	5594.1	15,224,069
2012-13	1960	130	187.3	499,773	2834.8	9,252,757

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	555	1159	1012
1-2 ha	248	462	483
2-3 ha	210	199	240
3-4 ha	129	158	85
4-5 ha	133	182	56
>5 ha	457	294	84

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	18	39	45
1-2 ha	19	39	34
2-3 ha	22	20	21
3-4 ha	12	9	10
4-5 ha	11	14	7
>5 ha	35	12	13

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	320	487	470
Q2	119	336	178
Q3	266	367	263
Q4	342	466	435
Q5	685	798	614
All households	1732	2454	1960

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	20	22	41
Q2	20	30	25
Q3	19	27	26
Q4	27	28	11
Q5	31	26	27
All households	117	133	130

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	304	375	249
ST	374	502	640
Muslims	—	51	37
Others	—	1526	1034
Muslim+ Others	1037	1577	1071

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	28	12	18
ST	22	20	34
Others	—	98	74
Muslims	—	3	4
Muslim+ Others	67	101	78

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	1.4	1.6	1.4
Q3	9.3	7.1	9.5
Q4	21.6	17.1	20.3
Q5	67.8	74.2	68.7
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	2.0	1.8	1.9
Q3	9.9	7.4	9.8
Q4	22.1	17.5	20.2
Q5	65.9	73.3	68.1
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	30.2	21.3	29.3	0.0	0.0	0.0
0-1 ha	22.0	40.8	40.4	5.3	9.5	18.5
1-2 ha	17.4	17.0	16.3	13.0	15.0	21.7
2-3 ha	10.7	7.1	6.4	13.6	10.6	13.7
3-4 ha	5.5	4.6	2.0	10.0	9.9	6.5
4-5 ha	4.2	2.8	1.6	10.0	7.9	6.7
>5 ha	10.1	6.4	4.0	48.1	47.0	32.9
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	28.6	20.7	27.8	0.0	0.0	0.0
0-1 ha	20.9	40.7	40.4	5.1	9.6	17.9
1-2 ha	17.8	17.2	17.2	12.6	15.0	22.0
2-3 ha	11.5	7.5	6.6	13.9	11.1	13.8
3-4 ha	5.8	4.8	2.2	10.0	10.1	6.9
4-5 ha	4.8	2.9	1.7	10.7	8.0	6.7
>5 ha	10.6	6.3	4.1	47.7	46.2	32.7
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	19.9	20.0	18.3	12.9	8.3	7.0	13.9	8.4	7.3
ST	24.2	21.4	31.4	20.1	12.9	19.9	20.1	13.0	20.1
Muslim	—	2.1	1.8	—	1.1	1.8	—	1.2	1.8
Others	—	56.5	48.5	—	77.7	71.3	—	77.5	70.8
Muslim+ Others	55.9	58.7	50.3	67.0	78.8	73.1	66.1	78.7	72.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Table A.13. Tenant households as a proportion of all rural households, tenant households/cultivator households, leased-in area/ total operated area (per cent)

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	7.0	9.8	5.8
2002-03	4.8	6.1	2.4
2012-13	5.0	6.9	5.4

4 Types of contracts

Table A.14. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	26.3	15.4
Fixed produce	25.4	10.0
Produce share	37.8	40.5
Other	10.5	34.1
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Table A.15. Distribution of all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	28.6	20.7	27.8
0-1 ha	20.9	40.7	40.4
1-2 ha	17.8	17.2	17.2
2-3 ha	11.5	7.5	6.6
3-4 ha	5.8	4.8	2.2
4-5 ha	4.8	2.9	1.7
>5 ha	10.6	6.3	4.1
Total	100.0	100.0	100.0

Table A.16. Distribution of tenant households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	23.0	44.6	47.7
1-2 ha	21.2	26.3	18.3
2-3 ha	23.2	15.4	13.1
3-4 ha	9.1	6.9	10.2
4-5 ha	9.3	3.6	3.6
>5 ha	14.2	3.1	7.2
Total	100.0	100.0	100.0

Table A.17. Proportion of tenants among all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	7.7	5.3	5.8
1-2 ha	8.4	7.4	5.3
2-3 ha	14.1	9.9	9.8
3-4 ha	11.1	7.0	23.0
4-5 ha	13.7	6.1	10.6
>5 ha	9.4	2.4	8.7

Table A.18. Distribution of operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	5.1	9.6	17.9
1-2 ha	12.6	15.0	22.0
2-3 ha	13.9	11.1	13.8
3-4 ha	10.0	10.1	6.9
4-5 ha	10.7	8.0	6.7
>5 ha	47.7	46.2	32.7
Total	100.0	100.0	100.0

Table A.19. Distribution of leased-in area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	7.5	20.6	17.8
1-2 ha	13.8	25.2	14.2
2-3 ha	20.3	22.9	20.5
3-4 ha	12.2	8.4	18.6
4-5 ha	13.4	9.2	4.9
>5 ha	32.8	13.7	24.0
Total	100.0	100.0	100.0

Table A.20. Proportion of leased-in area in total operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	8.6	5.2	5.4
1-2 ha	6.4	4.0	3.5
2-3 ha	8.5	5.0	8.1
3-4 ha	7.1	2.0	14.6
4-5 ha	7.3	2.8	3.9
>5 ha	4.0	0.7	4.0

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	14.4	13.7	21.6
Q2	28.6	21.9	27.1
Q3	24.2	21.7	11.2
Q4	12.6	10.8	16.1
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	15.7	17.8	18.3
Q2	22.2	18.7	20.4
Q3	21.2	19.5	13.0
Q4	16.5	18.4	32.5
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	5.1	3.3	5.4
Q2	14.5	8.3	11.2
Q3	7.4	5.1	4.2
Q4	8.5	5.2	2.8
Q5	4.4	2.6	4.0
All households	7.0	4.8	5.0

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.091	0.035	0.054
Q2	0.290	0.053	0.088
Q3	0.081	0.034	0.035
Q4	0.123	0.038	0.038
Q5	0.095	0.036	0.096
All households	0.116	0.039	0.059

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	19.9	20.0	18.3
ST	24.2	21.4	31.4
Muslim	—	2.1	1.8
Others	—	56.5	48.5
Muslim+	55.9	58.7	50.3
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	23.0	10.3	14.3
ST	23.7	14.6	27.7
Muslim	—	3.7	1.2
Others	—	71.4	56.8
Muslim+	53.4	75.1	58.0
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	8.2	2.5	3.9
ST	6.9	3.3	4.4
Muslim	—	8.3	3.3
Others	—	6.1	5.8
Muslim+	6.8	6.2	5.7
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	13.9	8.4	7.3
ST	20.1	13.0	20.1
Muslim	—	1.2	1.8
Others	—	77.5	70.8
Muslim+	66.1	78.7	72.7
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	29.5	9.3	11.1
ST	20.4	12.7	22.4
Muslim	—	4.2	1.8
Others	—	73.8	64.6
Muslim+	50.1	78.0	66.5
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	12.5	2.7	8.3
ST	6.0	2.3	6.0
Muslim	—	8.4	5.4
Others	—	2.3	4.9
Muslim+	4.5	2.4	4.9
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	40.5	22.0	50.4	38.5	21.7	49.4
ST	31.6	17.9	29.2	29.5	16.9	26.6
Muslim	—	28.1	30.9	—	28.0	29.5
Others	—	22.1	21.3	—	21.4	20.3
Muslim+ Others	25.8	22.3	21.6	24.7	21.7	20.7

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	20	1.5	21.7	1.4	23.7
2002-03	22	0.7	14.6	0.5	19.0
2012-13	44	1.7	33.3	1.7	31.6

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0	0.0	0.0	0.0
Q2	18.6	13.4	24.7	4.9	0.0	3.5
Q3	34.7	51.1	3.2	21.2	33.7	1.5
Q4	23.4	18.1	53.3	25.2	21.4	48.1
Q5	23.3	17.4	18.8	48.7	44.9	46.9
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	5.1	1.9	1.9
ST	6.6	6.1	9.4
Muslim	—	0.3	4.5
Others	—	3.1	5.7
Muslim+ Others	4.3	2.9	5.6

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	3.03	0.75	0.15
ST	0.89	0.45	1.18
Muslim	—	5.20	2.10
Others	—	1.46	1.29
Muslim+ Others	1.74	1.48	1.33

10 Vindhya region of Madhya Pradesh

Vindhya region of Madhya Pradesh includes Tikamgarh, Chhatarpur, Panna, Satna, Rewa, Umaria, Shahdol, Anuppur, Sidhi, and Singrauli districts.

Feature of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	344	23	37.2	149,372	1244.2	2,387,981
2002-03	480	43	33.2	105,075	1235.9	2,953,616
2012-13	408	37	40.5	77,602	622.2	1,527,584

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.1	2.1	3.5
Q3	9.7	7.7	12.2
Q4	21.8	17.6	23.8
Q5	67.3	72.5	60.5
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	2.7	2.8	4.5
Q3	11.4	9.0	15.2
Q4	21.7	18.0	21.7
Q5	64.2	70.2	58.6
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	18.4	17.9	28.8	12.0	7.8	16.8	13.0	8.2	17.5
ST	34.3	17.3	22.6	26.2	12.5	19.9	26.3	12.4	20.5
Muslim	—	1.8	0.0	—	0.3	0.0	—	0.8	0.0
Others	—	63.0	48.6	—	79.3	63.3	—	78.6	62.0
Muslim+ Others	47.3	—	—	61.8	—	—	60.7	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	8.1	10.1	8.1
Tenants/Cultivators	10.3	11.7	10.1
Leased-in area/Operated area	6.3	3.6	5.1

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

11 Central Madhya Pradesh

Central Madhya Pradesh includes Sagar, Damoh, Vidisha, Bhopal, Sehore, and Raisen districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	215	21	48	131,852	1266.8	1,686,739
2002-03	361	22	55	65,885	884.1	4,539,775
2012-13	240	11	18.5	47,425	349.6	1,620,590

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	1.7	1.9	7.5
Q4	16.5	9.8	16.9
Q5	81.8	88.3	75.5
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	3.0	2.1	7.2
Q4	16.8	9.9	17.1
Q5	80.2	88.0	75.7
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	24.0	28.7	19.2	11.7	6.1	6.0	12.0	6.2	7.4
ST	6.9	16.7	7.0	1.2	3.1	3.2	1.3	3.3	3.2
Muslim	—	2.7	3.0	—	1.5	1.6	—	1.5	1.7
Others	—	51.8	70.8	—	89.2	89.2	—	88.9	87.7
Muslim+ Others	69.1	—	—	87.1	—	—	86.8	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	10.1	2.4	3.4
Tenants/Cultivators	15.2	3.2	4.9
Leased-in area/Operated area	7.8	1.5	2.9

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

12 Malwa region of Madhya Pradesh

Malwa region of Madhya Pradesh includes Neemuch, Mandasaur, Ratlam, Ujjain, Shajapur, Dewas, Dhar, Indore, Rajgarh, Jhabua, and Alirajpur districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	325	10	14.2	53,356	1251.7	2,828,255
2002-03	565	15	15.9	36,834	1145.8	2,488,423
2012-13	447	14	27.1	59,846	632.7	2,437,929

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	4.0	4.1	3.0
Q3	12.2	11.9	8.5
Q4	24.3	21.1	19.9
Q5	59.5	62.9	68.7
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	4.2	4.3	3.1
Q3	12.3	11.9	8.6
Q4	24.7	21.2	20.0
Q5	58.8	62.5	68.3
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	16.8	16.0	8.6	9.0	11.1	2.3	8.8	11.0	2.3
ST	25.6	25.3	35.4	19.6	16.6	16.9	20.0	17.2	16.4
Muslim	—	3.3	3.8	—	2.8	3.4	—	2.8	3.4
Others	—	55.4	52.2	—	69.4	77.3	—	69.0	77.9
Muslim+ Others	57.6	—	—	71.4	—	—	71.1	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	3.6	2.3	2.0
Tenants/Cultivators	4.7	2.9	2.6
Leased-in area/Operated area	1.9	1.5	2.5

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

13 Southern region of Madhya Pradesh

Southern Madhya Pradesh includes Katni, Jabalpur, Narsimhapur, Dindori, Mandla, Chhindwara, Seoni, and Balaghat districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	317	41	102.8	334,098	1183.6	2,672,065
2002-03	448	27	35.4	69,425	970.1	1,976,105
2012-13	304	31	49.4	153,064	388.6	1,270,380

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.5	0.1	0.8
Q3	7.9	8.0	9.3
Q4	20.3	20.6	23.1
Q5	71.4	71.3	66.7
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.0	0.1	1.5
Q3	9.2	8.1	8.1
Q4	23.1	20.6	24.5
Q5	66.7	71.2	65.9
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	17.3	15.4	16.6	9.0	5.5	10.6	12.8	5.4	9.5
ST	30.1	33.4	47.0	31.2	28.7	48.5	30.3	28.3	45.9
Muslim	—	1.6	1.0	—	0.2	2.2	—	0.2	2.3
Others	—	49.7	35.4	—	65.6	38.7	—	66.2	42.3
Muslim+ Others	52.6	—	—	59.9	—	—	56.9	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	12.4	4.7	6.0
Tenants/Cultivators	17.9	6.3	8.6
Leased-in area/Operated area	12.5	3.5	12.0

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

14 South-western region of Madhya Pradesh

South-western region of Madhya Pradesh includes W. Nimar, Barwani, Betul, Harda, Hoshangabad, E. Nimar, and Burhampur districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	247	7	13.4	47,864	990.3	1,815,948
2002-03	280	11	14.2	53,509	669.2	1,510,615
2012-13	270	12	23.9	59,675	455.1	1,147,358

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.1	0.0	0.0
Q3	11.0	6.7	6.8
Q4	24.1	20.4	18.2
Q5	63.7	72.9	75.0
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.8	0.0	0.0
Q3	11.8	7.2	7.8
Q4	23.2	21.8	19.3
Q5	63.2	71.0	72.9
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	30.9	19.6	7.7	29.1	9.9	2.0	28.3	9.5	1.9
ST	33.3	28.9	60.3	30.5	25.9	37.9	30.2	25.7	39.9
Muslim	—	0.5	0.2	—	0.5	0.9	—	0.5	1.1
Others	—	51.0	31.8	—	63.6	59.2	—	64.3	57.2
Muslim+ Others	35.8	—	—	40.4	—	—	41.5	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	3.3	4.9	4.8
Tenants/Cultivators	4.9	7.1	8.0
Leased-in area/Operated area	2.6	3.5	5.2

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

15 Northern region of Madhya Pradesh

Northern region of Madhya Pradesh includes Sheopur, Morena, Bhind, Gwalior, Datia, Shivpuri, Guna, and Ashoknagar districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	284	15	27.3	52,402	1019.4	1,781,360
2002-03	320	15	15.6	34,098	689	1,755,534
2012-13	291	25	27.9	102,162	386.7	1,248,915

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.2	4.3	0.3
Q3	9.6	11.5	7.9
Q4	20.8	21.8	19.4
Q5	69.3	62.4	72.4
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.4	4.5	0.5
Q3	9.7	11.8	9.0
Q4	20.7	22.1	22.2
Q5	69.2	61.6	68.3
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	18.2	19.6	29.6	10.1	12.6	6.8	11.5	12.7	6.9
ST	7.2	6.9	12.6	4.0	4.8	4.4	4.0	4.7	4.0
Muslim	—	1.8	2.6	—	0.6	1.3	—	0.6	1.5
Others	—	71.7	55.2	—	82.0	87.5	—	81.9	87.6
Muslim+ Others	74.6	—	—	85.9	—	—	84.6	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	3.2	5.0	5.5
Tenants/Cultivators	5.1	5.8	7.6
Leased-in area/Operated area	2.9	1.9	8.2

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

Gujarat

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	1071	41	81.2	255,199	3195.2	7,449,226
2002-03	1343	64	98.8	320,978	2068.2	6,522,226
2012-13	1319	71	141	251,408	1719.1	4,066,734

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	435	816	721
1-2 ha	173	181	341
2-3 ha	120	90	135
3-4 ha	79	88	46
4-5 ha	72	66	29
>5 ha	192	102	47

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	9	23	15
1-2 ha	7	12	21
2-3 ha	8	8	17
3-4 ha	3	8	7
4-5 ha	4	3	4
>5 ha	10	10	7

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	210	365	266
Q2	58	49	71
Q3	178	217	158
Q4	210	253	296
Q5	415	459	528
All households	1071	1343	1319

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	11	16	13
Q2	5	5	11
Q3	8	6	11
Q4	10	15	12
Q5	7	22	24
All households	41	64	71

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	82	118	85
ST	199	324	317
Muslims	—	77	74
Others	—	824	843
Muslim+ Others	790	901	917

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	—	8	3
ST	7	12	28
Others	—	38	35
Muslims	—	6	5
Muslim+ Others	34	44	40

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.8	0.0	0.4
Q3	10.2	4.9	6.0
Q4	22.6	21.0	22.2
Q5	66.3	74.1	71.5
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	1.3	0.0	0.5
Q3	10.7	5.1	6.6
Q4	22.8	20.7	22.4
Q5	65.2	74.3	70.4
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	32.2	35.3	32.4	0.0	0.0	0.0
0-1 ha	29.0	39.1	46.5	8.7	14.0	24.5
1-2 ha	15.0	10.9	12.8	13.9	15.1	26.9
2-3 ha	7.8	4.7	3.4	13.0	11.5	12.3
3-4 ha	5.1	2.4	2.4	11.7	7.9	12.2
4-5 ha	3.8	2.4	0.7	11.2	10.6	4.6
>5 ha	7.0	5.2	1.9	41.5	41.0	19.5
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	30.9	34.2	32.0	0.0	0.0	0.0
0-1 ha	28.8	39.5	46.1	8.4	13.3	24.6
1-2 ha	15.2	11.2	12.7	13.5	14.7	25.4
2-3 ha	8.7	4.9	4.0	13.8	11.3	13.9
3-4 ha	5.2	2.5	2.4	11.4	7.9	11.9
4-5 ha	4.0	2.4	0.8	11.4	10.1	4.9
>5 ha	7.3	5.4	2.0	41.5	42.8	19.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	10.8	12.0	7.8	5.1	3.9	2.5	4.9	6.2	2.5
ST	19.2	21.5	24.7	12.5	12.1	16.0	12.4	11.8	18.3
Muslim	—	5.2	4.4	—	3.8	4.7	—	3.8	4.5
Others	—	61.3	63.2	—	80.2	76.8	—	78.1	74.7
Muslim+ Others	70.0	66.5	67.6	82.4	84.0	81.5	82.6	81.9	79.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Table A.13. Tenant households as a proportion of all rural households, tenant households/cultivator households, leased-in area/ total operated area (per cent)

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	3.2	4.6	3.4
2002-03	3.4	5.1	4.9
2012-13	4.1	6.1	6.2

4 Types of contracts

Table A.14. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	10.1	23.7
Fixed produce	44.1	0.0
Produce share	36.4	49.5
Other	9.5	26.8
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Table A.15. Distribution of all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	30.9	34.2	32.0
0-1 ha	28.8	39.5	46.1
1-2 ha	15.2	11.2	12.7
2-3 ha	8.7	4.9	4.0
3-4 ha	5.2	2.5	2.4
4-5 ha	4.0	2.4	0.8
>5 ha	7.3	5.4	2.0
Total	100.0	100.0	100.0

Table A.16. Distribution of tenant households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	31.6	56.2	60.0
1-2 ha	16.7	12.9	15.4
2-3 ha	31.7	7.7	18.5
3-4 ha	2.0	5.6	1.8
4-5 ha	6.0	4.0	2.7
>5 ha	12.0	13.6	1.6
Total	100.0	100.0	100.0

Table A.17. Proportion of tenants among all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	3.5	4.8	5.4
1-2 ha	3.5	3.9	5.0
2-3 ha	11.5	5.3	18.9
3-4 ha	1.2	7.6	3.1
4-5 ha	4.8	5.7	14.1
>5 ha	5.2	8.5	3.4

Table A.18. Distribution of operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	8.4	13.3	24.6
1-2 ha	13.5	14.7	25.4
2-3 ha	13.8	11.3	13.9
3-4 ha	11.4	7.9	11.9
4-5 ha	11.4	10.1	4.9
>5 ha	41.5	42.8	19.2
Total	100.0	100.0	100.0

Table A.19. Distribution of leased-in area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	7.0	6.0	32.9
1-2 ha	7.0	6.5	12.8
2-3 ha	39.0	7.6	29.4
3-4 ha	3.2	5.8	4.4
4-5 ha	9.1	2.6	8.2
>5 ha	34.6	71.5	12.2
Total	100.0	100.0	100.0

Table A.20. Proportion of leased-in area in total operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	2.9	2.2	8.3
1-2 ha	1.8	2.2	3.1
2-3 ha	9.7	3.3	13.1
3-4 ha	1.0	3.6	2.3
4-5 ha	2.7	1.3	10.3
>5 ha	2.9	8.2	3.9

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	26.1	17.7	8.8
Q2	31.7	26.9	29.2
Q3	20.1	27.3	16.5
Q4	5.8	18.1	10.0
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	27.1	28.7	6.9
Q2	47.2	28.9	14.8
Q3	13.0	8.8	26.0
Q4	4.6	30.1	13.5
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	4.1	3.0	1.8
Q2	6.7	7.3	20.3
Q3	2.5	2.2	4.8
Q4	3.1	4.6	3.4
Q5	0.9	3.1	2.1
All households	3.2	3.4	4.1

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.072	0.074	0.015
Q2	0.056	0.040	0.229
Q3	0.083	0.018	0.022
Q4	0.034	0.022	0.056
Q5	0.012	0.077	0.029
All households	0.053	0.051	0.043

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	10.8	12.0	7.8
ST	19.2	21.5	24.7
Muslim	—	5.2	4.4
Others	—	61.3	63.2
Muslim+	70.0	66.5	67.6
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	—	16.6	1.9
ST	17.8	8.3	66.0
Muslim	—	9.1	0.6
Others	—	66.0	31.5
Muslim+	82.2	75.0	32.0
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	—	4.7	1.0
ST	2.9	1.3	11.1
Muslim	—	5.8	0.5
Others	—	3.6	2.1
Muslim+	3.7	3.8	2.0
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	4.9	6.2	2.5
ST	12.4	11.8	18.3
Muslim	—	3.8	4.5
Others	—	78.1	74.7
Muslim+	82.6	81.9	79.2
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	—	51.8	2.3
ST	11.1	5.9	55.1
Muslim	—	4.8	1.1
Others	—	37.6	41.5
Muslim+	88.9	42.3	42.6
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	—	40.8	5.5
ST	3.1	2.5	18.6
Muslim	—	6.1	1.6
Others	—	2.4	3.4
Muslim+	3.7	2.5	3.3
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	52.0	50.2	73.1	52.0	48.5	72.3
ST	26.5	29.2	22.5	26.4	28.8	21.6
Muslim	—	62.0	46.7	—	58.8	46.6
Others	—	32.2	30.2	—	31.2	30.1
Muslim+ Others	30.8	34.5	31.3	28.9	33.4	31.1

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	11	1.3	42.1	1.5	43.7
2002-03	17	1.2	34.2	2.5	50.5
2012-13	13	0.6	14.2	0.7	11.1

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0	0.0	0.0	0.0
Q2	14.1	26.5	0.0	0.1	0.0	0.0
Q3	45.4	45.3	32.4	36.0	1.7	9.2
Q4	0.0	3.4	6.2	0.0	1.3	7.9
Q5	40.5	24.7	61.4	64.0	97.0	83.0
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	—	3.2	1.1
ST	0.5	1.5	3.9
Muslim	—	5.1	0.1
Others	—	3.6	1.6
Muslim+ Others	6.1	3.8	1.5

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	—	12.01	0.36
ST	4.33	0.46	0.83
Muslim	—	0.21	1.88
Others	—	0.28	0.89
Muslim+ Others	1.69	0.27	0.90

10 Eastern Gujarat

Eastern Gujarat includes Panch Mahals, Dohad, Vadodara, Narmada, Bharuch, The Dangs, Navsari, Valsad, Surat, and Tapi districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	223	6	7.5	23,035	532.1	1,079,311
2002-03	319	11	18.4	14,360	406.8	863,305
2012-13	455	40	86	164,598	637	1,008,590

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	2.2	0.0	1.0
Q3	11.1	7.7	10.5
Q4	21.5	22.1	23.2
Q5	65.1	70.2	65.3
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	3.1	0.0	1.8
Q3	11.4	8.2	11.8
Q4	20.5	21.7	23.9
Q5	65.0	70.1	62.5
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	10.9	6.0	1.5	5.2	4.2	1.4	5.1	4.3	1.2
ST	74.0	71.8	64.2	72.9	74.0	64.7	73.1	74.3	68.2
Muslim	—	8.2	4.3	—	14.9	4.2	—	14.7	3.9
Others	—	14.0	29.9	—	6.9	29.7	—	6.8	26.7
Muslim+ Others	15.2	—	—	21.9	—	—	21.8	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	2.7	0.9	8.8
Tenants/Cultivators	3.4	1.3	11.7
Leased-in area/Operated area	2.1	1.7	16.3

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

11 Northern Plains of Gujarat

Northern Plains include Anand, Kheda, Mahesana, Sabar Kantha, Gandhinagar, and Ahmedabad districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	248	17	22.1	39,944	422.7	1,317,343
2002-03	368	22	17.5	28,192	484.2	1,002,051
2012-13	336	17	22.9	24,503	374.6	824,231

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.4	0.0	0.0
Q3	6.7	3.4	6.2
Q4	19.2	18.1	24.8
Q5	73.7	78.5	69.0
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.6	0.0	0.0
Q3	7.8	3.2	6.5
Q4	18.3	18.4	24.2
Q5	73.3	78.4	69.3
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	10.9	16.9	16.7	7.3	7.0	5.1	7.1	7.3	5.2
ST	—	0.0	2.2	—	0.0	3.1	—	0.0	3.2
Muslim	—	4.3	3.2	—	2.0	0.7	—	2.2	0.7
Others	—	78.8	77.8	—	91.0	91.1	—	90.5	91.0
Muslim+ Others	89.1	—	—	92.7	—	—	92.9	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	4.0	5.5	2.0
Tenants/Cultivators	5.9	8.1	3.3
Leased-in area/Operated area	3.0	2.8	3.0

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

12 Southern Plains of Gujarat

Southern Plains include Banskantha and Patan districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	184	8	23.7	67,217	528.3	858,003
2002-03	216	17	31.7	98,771	340.3	799,371
2012-13	128	3	5.2	10,527	170.9	580,081

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.7
Q3	1.8	5.4	1.6
Q4	15.8	16.2	23.2
Q5	82.4	78.3	74.5
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.7
Q3	2.8	4.9	1.2
Q4	18.5	14.9	24.7
Q5	78.7	80.2	73.5
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	20.5	12.6	8.6	11.3	8.1	2.4	10.4	8.1	3.1
ST	25.1	33.5	7.7	16.0	14.8	4.2	15.8	13.7	4.1
Muslim	—	8.4	2.7	—	6.6	5.0	—	7.1	5.0
Others	—	45.6	80.9	—	70.6	88.4	—	71.1	87.9
Muslim+ Others	54.3	—	—	72.7	—	—	73.7	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	4.1	5.1	1.6
Tenants/Cultivators	7.4	7.1	2.2
Leased-in area/Operated area	7.8	12.4	1.8

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

13 Dry areas of Gujarat

This region includes Kachchh district.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	160	5	14.2	88,492	633.9	1,716,179
2002-03	160	4	6.6	19,766	293.9	1,151,107
2012-13	48	0	0	0	42.4	224,709

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.3	0.0	0.0
Q3	11.8	3.8	4.8
Q4	26.5	20.6	11.7
Q5	60.4	75.6	83.5
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	2.3	0.0	0.0
Q3	13.3	3.8	4.8
Q4	25.1	20.1	11.7
Q5	59.2	76.2	83.5
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	10.7	12.7	10.2	4.0	5.5	4.2	3.8	6.0	4.2
ST	—	3.6	—	—	1.0	—	—	1.0	—
Muslim	—	3.4	5.9	—	3.1	0.0	—	3.4	0.0
Others	—	80.4	83.9	—	90.3	95.8	—	89.5	95.8
Muslim+ Others	89.3	—	—	96.0	—	—	96.2	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	3.7	1.5	0.0
Tenants/Cultivators	5.0	2.4	0.0
Leased-in area/Operated area	5.2	1.7	0.0

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

14 Saurashtra

Saurashtra includes Surendranagar, Rajkot, Jamnagar, Porbandar, Junagadh, Amreli, and Bhavnagar districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	256	5	13.7	36,510	1078.2	2,478,391
2002-03	280	10	24.6	159,889	542.9	2,706,393
2012-13	352	11	26.9	51,779	494.1	1,429,123

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.1	0.0	0.0
Q3	11.6	4.7	2.3
Q4	24.9	22.4	21.8
Q5	62.4	72.9	75.9
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.1	0.0	0.0
Q3	11.3	5.0	2.1
Q4	25.6	22.6	22.7
Q5	62.0	72.4	75.2
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	4.1	11.1	6.8	2.6	0.7	1.4	2.5	6.0	1.4
ST	0.9	0.6	3.9	0.1	0.3	0.5	0.1	0.3	0.5
Muslim	—	2.4	6.0	—	0.3	7.9	—	0.2	7.6
Others	—	85.8	83.2	—	98.7	90.2	—	93.4	90.5
Muslim+ Others	95.0	—	—	97.3	—	—	97.4	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	1.3	3.4	1.6
Tenants/Cultivators	2.0	5.6	2.5
Leased-in area/Operated area	1.5	5.9	3.6

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	2.9	42.7
Fixed produce	88.3	0.0
Produce share	8.4	31.7
Other	0.3	25.5
Total	100.0	100.0

Maharashtra

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	2143	125	321.8	851,785	6898.7	14,850,886
2002-03	3328	170	290.1	649,388	6501.4	13,803,091
2012-13	2623	130	128	287,468	2584.1	8,731,682

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	864	1856	1672
1-2 ha	295	502	554
2-3 ha	231	205	230
3-4 ha	157	235	66
4-5 ha	143	192	46
>5 ha	453	338	55

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	20	50	58
1-2 ha	15	27	35
2-3 ha	12	18	20
3-4 ha	14	18	7
4-5 ha	20	19	4
>5 ha	44	38	6

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	500	1024	710
Q2	19	71	36
Q3	328	524	521
Q4	427	596	574
Q5	869	1113	782
All households	2143	3328	2623

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	16	46	36
Q2	5	3	5
Q3	24	24	42
Q4	31	43	30
Q5	49	54	17
All households	125	170	130

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	249	427	324
ST	327	422	388
Muslims	—	141	86
Others	—	2338	1825
Muslim+ Others	1567	2479	1911

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	14	23	8
ST	18	21	16
Others	—	125	102
Muslims	—	1	4
Muslim+ Others	93	126	106

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	7.5	6.3	8.3
Q4	22.1	21.2	22.4
Q5	70.4	72.5	69.3
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.1	0.0	0.2
Q3	7.8	6.6	8.2
Q4	22.0	21.2	22.8
Q5	70.2	72.2	68.8
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	38.5	37.7	38.9	0.0	0.0	0.0
0-1 ha	23.4	31.1	38.2	7.6	10.9	23.4
1-2 ha	13.7	14.3	13.2	13.3	18.3	27.3
2-3 ha	9.0	6.5	5.6	14.6	14.0	19.9
3-4 ha	4.6	3.8	1.7	10.7	11.8	8.5
4-5 ha	3.4	2.1	1.0	10.3	8.4	6.5
>5 ha	7.3	4.5	1.5	43.5	36.7	14.4
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	37.5	36.3	38.0	0.0	0.0	0.0
0-1 ha	23.5	31.7	38.7	7.2	10.5	23.2
1-2 ha	13.3	14.4	13.1	12.2	17.9	26.4
2-3 ha	9.0	6.7	5.7	13.6	13.8	19.8
3-4 ha	4.9	3.9	1.9	10.7	11.5	9.1
4-5 ha	3.9	2.3	1.1	11.1	9.0	6.7
>5 ha	8.0	4.8	1.6	45.2	37.4	14.8
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	15.2	15.6	9.2	8.0	5.6	4.7	8.2	5.7	4.6
ST	16.3	15.5	17.4	11.9	10.1	9.4	12.0	10.3	9.3
Muslim	—	4.7	6.8	—	2.8	4.4	—	3.1	4.4
Others	—	64.2	66.7	—	81.6	81.6	—	80.9	81.6
Muslim+ Others	68.5	68.9	73.4	80.1	84.4	85.9	79.7	84.0	86.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	4.5	7.2	5.7
2002-03	4.5	7.0	4.7
2012-13	3.0	4.9	3.3

4 Types of contracts

Terms of lease	2002-03	2012-13
Fixed money	25.2	55.6
Fixed produce	7.2	1.7
Produce share	45.8	26.9
Other	21.8	15.9
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Size class	1991-92	2002-03	2012-13
Landless	37.5	36.3	38.0
0-1 ha	23.5	31.7	38.7
1-2 ha	13.3	14.4	13.1
2-3 ha	9.0	6.7	5.7
3-4 ha	4.9	3.9	1.9
4-5 ha	3.9	2.3	1.1
>5 ha	8.0	4.8	1.6
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	28.4	41.6	58.4
1-2 ha	12.7	18.9	17.7
2-3 ha	10.0	14.3	10.6
3-4 ha	10.7	7.6	7.3
4-5 ha	17.7	5.2	2.9
>5 ha	20.4	12.4	3.0
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	5.4	5.9	4.6
1-2 ha	4.3	5.9	4.1
2-3 ha	5.0	9.6	5.6
3-4 ha	9.8	8.7	12.0
4-5 ha	20.5	9.9	8.1
>5 ha	11.5	11.6	5.9

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	7.2	10.5	23.2
1-2 ha	12.2	17.9	26.4
2-3 ha	13.6	13.8	19.8
3-4 ha	10.7	11.5	9.1
4-5 ha	11.1	9.0	6.7
>5 ha	45.2	37.4	14.8
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	4.5	10.0	20.1
1-2 ha	5.3	14.9	18.4
2-3 ha	8.3	13.7	22.3
3-4 ha	9.6	9.8	18.3
4-5 ha	19.5	10.0	4.3
>5 ha	52.8	41.6	16.7
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	3.6	4.5	2.9
1-2 ha	2.5	3.9	2.3
2-3 ha	3.5	4.7	3.7
3-4 ha	5.1	4.0	6.6
4-5 ha	10.1	5.2	2.1
>5 ha	6.7	5.2	3.7

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	11.9	17.1	14.5
Q2	26.6	34.5	49.1
Q3	27.7	27.6	21.5
Q4	25.7	18.6	10.9
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	7.7	11.9	13.8
Q2	25.4	26.6	41.5
Q3	36.5	35.9	21.6
Q4	28.7	25.3	22.3
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	2.7	3.8	2.2
Q2	25.2	4.4	10.7
Q3	3.5	4.3	5.4
Q4	6.2	6.1	3.3
Q5	5.8	4.1	1.7
All households	4.5	4.5	3.0

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.034	0.033	0.016
Q2	0.103	0.006	0.016
Q3	0.082	0.044	0.033
Q4	0.163	0.098	0.025
Q5	0.129	0.070	0.026
All households	0.089	0.055	0.023

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	15.2	15.6	9.2
ST	16.3	15.5	17.4
Muslim	—	4.7	6.8
Others	—	64.2	66.7
Muslim+	68.5	68.9	73.4
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	15.5	18.3	4.9
ST	12.5	15.4	6.6
Muslim	—	1.0	4.7
Others	—	65.3	83.8
Muslim+	72.1	66.3	88.5
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	4.6	5.2	1.6
ST	3.4	4.4	1.1
Muslim	—	0.9	2.1
Others	—	4.5	3.8
Muslim+	4.7	4.3	3.7
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	8.2	5.7	4.6
ST	12.0	10.3	9.3
Muslim	—	3.1	4.4
Others	—	80.9	81.6
Muslim+	79.7	84.0	86.1
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	11.6	8.7	3.6
ST	14.1	17.1	6.6
Muslim	—	7.2	5.4
Others	—	67.0	84.4
Muslim+	74.3	74.2	89.7
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	8.1	7.2	2.6
ST	6.7	7.8	2.4
Muslim	—	11.1	4.0
Others	—	3.9	3.4
Muslim+	5.3	4.2	3.4
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	49.3	57.4	59.3	46.5	54.6	58.3
ST	47.1	47.3	49.7	46.0	46.9	49.2
Muslim	—	55.8	54.4	—	55.8	53.7
Others	—	29.3	31.6	—	27.8	30.7
Muslim+ Others	34.1	31.1	33.7	33.4	29.8	32.8

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	16	1.0	22.8	0.8	14.8
2002-03	47	1.4	32.5	1.1	22.6
2012-13	37	0.9	28.3	0.9	26.9

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0	0.0	0.0	0.0
Q2	26.1	16.2	20.4	0.2	0.1	0.9
Q3	40.8	45.8	31.5	20.9	17.1	6.0
Q4	14.6	30.7	23.2	24.4	45.9	21.8
Q5	18.5	7.2	24.8	54.4	36.9	71.3
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	5.7	4.9	1.7
ST	2.3	0.8	1.3
Muslim	—	—	1.3
Others	—	5.0	2.9
Muslim+ Others	1.8	4.4	2.6

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.82	0.40	0.79
ST	2.54	3.34	1.05
Muslim	—	—	0.57
Others	—	0.91	0.66
Muslim+ Others	1.25	0.91	0.65

10 Coastal Maharashtra

Coastal Maharashtra includes Thane, Mumbai Suburban, Mumbai, Raigarh, Ratnagiri, and Sindhudurg districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	248	11	10.7	28,588	339.7	801,533
2002-03	384	20	11	29,396	341.9	489,045
2012-13	287	17	2.1	6668	169.4	361,896

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.7
Q3	3.8	3.6	7.2
Q4	18.5	19.3	22.2
Q5	77.7	77.1	69.9
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.9
Q3	3.9	4.9	7.7
Q4	18.7	19.8	22.5
Q5	77.5	75.3	68.9
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	7.4	6.2	4.2	8.2	2.3	2.9	8.0	3.4	2.8
ST	11.7	21.6	29.7	15.1	25.4	36.2	15.3	23.9	36.0
Muslim	—	6.9	3.7	—	4.6	—	—	4.2	—
Others	—	65.3	62.4	—	67.7	60.9	—	68.4	61.2
Muslim+ Others	80.9	—	—	76.7	—	—	76.7	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	3.7	6.2	6.2
Tenants/Cultivators	6.4	10.8	8.6
Leased-in area/Operated area	3.6	6.0	1.8

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

11 Inland Western Maharashtra

Inland Western Maharashtra includes Pune, Ahmadnagar, Solapur, Satara, Kolhapur, and Sangli districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	599	31	76.3	269,676	1765	4,040,835
2002-03	960	40	37.9	114,482	1809.7	3,307,718
2012-13	672	23	19.4	27,498	680.5	2,159,376

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.4	0.2	0.0
Q3	7.8	6.8	5.8
Q4	21.2	18.7	23.1
Q5	70.6	74.3	71.0
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.5	0.2	0.0
Q3	7.4	6.8	6.4
Q4	20.5	19.4	23.1
Q5	71.6	73.6	70.4
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	13.5	16.3	5.3	5.1	5.3	3.9	4.9	5.4	3.8
ST	9.8	4.8	3.1	5.8	3.1	0.5	5.5	3.5	0.5
Muslim	—	5.4	10.9	—	2.5	4.3	—	2.5	4.5
Others	—	73.4	80.7	—	89.1	91.3	—	88.7	91.2
Muslim+ Others	76.7	—	—	89.2	—	—	89.6	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	3.9	4.3	1.8
Tenants/Cultivators	5.8	6.1	3.1
Leased-in area/Operated area	6.7	3.5	1.3

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

12 Inland Northern Maharashtra

Inland Northern Maharashtra includes Nandurbar, Dhule, Jalgaon, and Nashik districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	344	18	39.8	83,997	1014.5	1,620,656
2002-03	456	31	68	86,935	820.1	1,357,132
2012-13	352	6	7.7	25,483	308.4	1,016,220

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	3.8	1.1	5.1
Q4	21.9	21.3	22.1
Q5	74.3	77.6	72.9
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	4.8	0.9	5.5
Q4	21.5	22.0	23.0
Q5	73.7	77.2	71.5
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	6.0	8.8	5.9	6.6	4.3	3.7	6.7	4.4	4.2
ST	39.5	33.2	46.6	31.1	20.0	36.0	30.7	19.6	36.2
Muslim	—	3.8	0.0	—	3.7	0.0	—	3.5	0.0
Others	—	54.2	47.5	—	72.0	60.3	—	72.5	59.5
Muslim+ Others	54.6	—	—	62.3	—	—	62.6	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	3.7	3.9	1.4
Tenants/Cultivators	7.1	7.6	2.7
Leased-in area/Operated area	5.2	6.4	2.5

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

13 Inland Central Maharashtra

Inland Central Maharashtra includes Nanded, Hingoli, Parbhani, Jalna, Aurangabad, Bid, Latur, and Osmanabad districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	384	31	133.8	275,973	1818.9	4,123,513
2002-03	671	12	23.2	56,762	1807.9	4,531,219
2012-13	624	33	31.6	85,598	655.5	2,769,820

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	1.3
Q3	8.5	7.5	10.4
Q4	23.4	21.2	22.6
Q5	68.1	71.3	65.7
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	1.5
Q3	8.9	7.4	10.3
Q4	23.2	21.5	23.4
Q5	67.9	71.2	64.8
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	20.7	20.5	14.7	3.9	3.6	2.6	4.9	3.6	2.6
ST	6.9	4.9	5.2	5.9	4.6	1.9	5.9	4.6	1.9
Muslim	—	5.9	12.6	—	2.7	9.4	—	2.7	9.6
Others	—	68.7	67.5	—	89.1	86.0	—	89.1	86.0
Muslim+ Others	72.5	—	—	90.2	—	—	89.2	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	5.1	1.0	3.7
Tenants/Cultivators	8.4	1.6	5.2
Leased-in area/Operated area	6.7	1.3	3.1

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	0.0	35.3
Fixed produce	13.5	0.0
Produce share	81.2	54.4
Other	5.3	10.3
Total	100.0	100.0

14 Inland Eastern Maharashtra

Inland Eastern Maharashtra includes , Buldana, Akola, Washim, Amravati, Wardha, Nagpur, and Yavatmal districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	376	21	45.9	136,266	1515.9	3,214,663
2002-03	570	45	104.8	294,297	1245.1	3,200,460
2012-13	480	32	45	86,738	556.9	1,957,684

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	6.9	6.7	6.1
Q4	22.0	22.4	23.6
Q5	71.1	70.9	70.3
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	7.2	7.6	6.5
Q4	22.9	21.9	23.6
Q5	69.9	70.5	69.9
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	24.2	21.0	16.2	16.9	9.6	8.5	17.2	9.5	8.0
ST	19.4	16.8	20.5	11.3	12.5	7.4	12.3	12.6	7.8
Muslim	—	3.8	2.8	—	3.3	1.3	—	4.5	1.3
Others	—	58.4	60.5	—	74.7	82.8	—	73.4	82.9
Muslim+ Others	56.4	—	—	71.8	—	—	70.6	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	3.6	7.4	3.2
Tenants/Cultivators	5.9	11.1	5.6
Leased-in area/Operated area	4.2	9.2	4.4

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	30.4	91.8
Fixed produce	3.2	0.4
Produce share	31.5	4.9
Other	34.8	3.0
Total	100.0	100.0

15 Eastern Maharashtra

Eastern Maharashtra includes Bhandara, Gondiya, Gadchiroli, and Chandrapur districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	192	13	15.3	57,285	444.8	1,049,686
2002-03	287	22	45.3	67,516	476.7	917,517
2012-13	208	19	22.1	55,483	213.5	466,685

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.5	0.0	0.0
Q3	10.1	5.1	3.5
Q4	21.6	22.8	19.6
Q5	67.7	72.2	76.9
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.2	0.0	0.1
Q3	10.1	5.6	7.0
Q4	21.0	23.2	17.5
Q5	67.7	71.2	75.4
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	15.3	15.4	7.5	9.6	7.1	9.1	9.1	7.2	8.5
ST	24.9	32.0	26.0	28.4	33.9	23.6	29.2	34.7	21.2
Muslim	—	0.6	1.3	—	0.7	—	—	0.7	—
Others	—	52.0	65.2	—	58.3	67.4	—	57.4	70.3
Muslim+ Others	59.7	—	—	62.0	—	—	61.7	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	9.8	5.2	4.6
Tenants/Cultivators	12.5	8.4	7.2
Leased-in area/Operated area	5.5	7.4	11.9

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

Karnataka

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	1247	96	211.1	698,821	3744.4	8,448,603
2002-03	2025	72	101.2	240,158	3112.5	6,852,881
2012-13	1338	79	94.9	372,138	1692	5,402,416

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	530	1195	731
1-2 ha	198	272	322
2-3 ha	154	215	174
3-4 ha	85	116	42
4-5 ha	77	109	33
>5 ha	203	118	36

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	14	24	18
1-2 ha	26	14	30
2-3 ha	12	12	15
3-4 ha	8	7	5
4-5 ha	9	6	4
>5 ha	27	9	7

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	214	543	347
Q2	122	104	34
Q3	193	368	153
Q4	226	355	268
Q5	492	655	536
All households	1247	2025	1338

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	14	17	9
Q2	11	3	1
Q3	11	23	12
Q4	28	12	31
Q5	32	17	26
All households	96	72	79

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	171	327	259
ST	106	140	91
Muslims	—	107	58
Others	—	1451	930
Muslim+ Others	970	1558	988

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	6	8	10
ST	3	7	5
Others	—	54	61
Muslims	—	3	3
Muslim+ Others	87	57	64

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	1.0	0.1	0.6
Q3	10.3	7.9	7.8
Q4	21.6	21.4	21.0
Q5	67.2	70.6	70.6
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	1.5	0.3	0.5
Q3	10.5	7.8	8.3
Q4	21.8	21.6	21.1
Q5	66.1	70.3	70.1
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	25.7	31.8	34.5	0.0	0.0	0.0
0-1 ha	35.0	40.0	45.0	10.2	16.3	27.4
1-2 ha	16.5	14.0	11.2	16.5	19.8	23.3
2-3 ha	10.4	6.1	5.7	17.4	14.9	20.0
3-4 ha	3.7	2.2	1.2	8.7	7.8	6.0
4-5 ha	3.5	2.7	1.1	11.3	12.1	7.2
>5 ha	5.2	3.1	1.3	35.9	29.1	16.1
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	23.6	30.5	33.7	0.0	0.0	0.0
0-1 ha	35.1	41.0	45.2	9.5	16.3	26.5
1-2 ha	16.8	14.3	11.3	15.5	20.2	22.8
2-3 ha	10.5	6.3	6.2	16.3	15.1	21.2
3-4 ha	4.0	2.4	1.1	8.8	8.5	5.4
4-5 ha	3.7	2.5	0.9	10.8	11.1	5.1
>5 ha	6.2	3.0	1.7	39.1	28.8	19.1
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	16.1	17.8	23.9	9.7	7.6	12.1	9.3	7.7	12.3
ST	9.9	8.7	5.8	8.7	6.5	5.1	8.2	7.1	5.2
Muslim	—	6.1	5.3	—	2.7	3.6	—	2.7	3.6
Others	—	67.4	65.1	—	83.1	79.2	—	82.4	78.8
Muslim+ Others	74.0	73.4	70.3	81.5	85.9	82.8	82.4	85.1	82.4
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	7.9	10.3	8.3
2002-03	3.7	5.4	3.5
2012-13	4.5	6.9	6.9

4 Types of contracts

Terms of lease	2002-03	2012-13
Fixed money	33.7	19.7
Fixed produce	39.6	9.9
Produce share	25.6	59.7
Other	1.1	10.7
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Size class	1991-92	2002-03	2012-13
Landless	23.6	30.5	33.7
0-1 ha	35.1	41.0	45.2
1-2 ha	16.8	14.3	11.3
2-3 ha	10.5	6.3	6.2
3-4 ha	4.0	2.4	1.1
4-5 ha	3.7	2.5	0.9
>5 ha	6.2	3.0	1.7
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	26.5	59.1	43.8
1-2 ha	30.7	18.0	20.1
2-3 ha	12.3	7.7	19.0
3-4 ha	7.6	5.6	2.0
4-5 ha	6.2	2.7	4.7
>5 ha	16.6	6.9	10.3
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	6.0	5.4	4.4
1-2 ha	14.4	4.7	8.1
2-3 ha	9.2	4.6	13.9
3-4 ha	14.8	8.6	8.0
4-5 ha	13.2	4.0	25.1
>5 ha	21.2	8.5	28.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	9.5	16.3	26.5
1-2 ha	15.5	20.2	22.8
2-3 ha	16.3	15.1	21.2
3-4 ha	8.8	8.5	5.4
4-5 ha	10.8	11.1	5.1
>5 ha	39.1	28.8	19.1
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	6.6	19.9	20.2
1-2 ha	14.8	17.7	13.1
2-3 ha	7.4	12.6	21.8
3-4 ha	6.0	14.2	2.7
4-5 ha	9.0	8.4	12.0
>5 ha	56.2	27.2	30.2
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	5.8	4.3	5.3
1-2 ha	7.9	3.1	4.0
2-3 ha	3.8	2.9	7.1
3-4 ha	5.6	5.9	3.5
4-5 ha	6.8	2.6	16.0
>5 ha	11.9	3.3	10.9

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	20.3	26.3	10.7
Q2	19.1	42.7	24.6
Q3	29.7	15.5	38.8
Q4	18.3	12.1	24.8
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	12.6	18.3	6.7
Q2	17.2	39.8	16.4
Q3	37.9	21.5	38.2
Q4	22.7	18.8	38.6
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	8.0	4.9	2.4
Q2	7.0	1.6	0.9
Q3	5.3	5.0	3.8
Q4	11.7	2.9	8.9
Q5	7.2	2.3	5.6
All households	7.9	3.7	4.5

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.079	0.031	0.016
Q2	0.085	0.007	0.001
Q3	0.085	0.050	0.028
Q4	0.238	0.037	0.092
Q5	0.142	0.032	0.092
All households	0.126	0.034	0.048

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	16.1	17.8	23.9
ST	9.9	8.7	5.8
Muslim	—	6.1	5.3
Others	—	67.4	65.1
Muslim+	74.0	73.4	70.3
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	9.8	11.4	11.6
ST	1.9	28.4	4.0
Muslim	—	4.2	2.4
Others	—	56.0	82.1
Muslim+	88.2	60.2	84.4
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	4.8	2.4	2.2
ST	1.5	12.2	3.2
Muslim	—	2.6	2.0
Others	—	3.1	5.7
Muslim+	9.4	3.1	5.5
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	9.3	7.7	12.3
ST	8.2	7.1	5.2
Muslim	—	2.7	3.6
Others	—	82.4	78.8
Muslim+	82.4	85.1	82.4
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	5.0	6.6	10.8
ST	2.8	19.6	5.0
Muslim	—	1.9	2.8
Others	—	71.8	81.4
Muslim+	92.2	73.8	84.2
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	4.4	3.0	6.1
ST	2.8	9.6	6.6
Muslim	—	2.5	5.2
Others	—	3.1	7.1
Muslim+	9.3	3.0	7.0
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	35.6	41.4	43.0	32.5	40.7	42.4
ST	16.0	35.3	40.4	15.6	23.6	40.4
Muslim	—	54.0	36.2	—	51.9	35.9
Others	—	26.8	30.8	—	26.8	29.7
Muslim+ Others	24.9	29.1	31.2	22.8	28.9	30.2

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	14	2.1	26.1	1.3	16.2
2002-03	17	1.6	41.8	1.0	29.1
2012-13	9	0.8	18.6	0.8	11.5

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0	0.0	0.0	0.0
Q2	33.4	9.2	0.8	0.6	0.0	0.2
Q3	50.9	71.5	0.6	48.2	39.1	0.3
Q4	6.3	12.2	98.1	10.3	11.7	98.0
Q5	9.5	7.1	0.5	40.9	49.2	1.4
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	8.5	1.8	1.4
ST	2.4	33.1	—
Muslim	—	3.8	0.8
Others	—	1.6	3.4
Muslim+ Others	8.3	1.9	3.2

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.57	0.03	0.40
ST	0.04	0.51	—
Muslim	—	0.01	0.81
Others	—	1.66	0.70
Muslim+ Others	1.15	1.16	0.71

10 Coastal Karnataka

Coastal Karnataka includes Uttara Kannada, Udupi, and Dakshina Kannada districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	128	5	1.4	7012	187.2	377,841
2002-03	160	8	4.1	11,163	214.9	253,583
2012-13	112	0	0	0	139.9	234,010

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.2	0.0	0.0
Q2	1.5	0.0	0.3
Q3	7.5	1.0	7.0
Q4	18.3	14.8	25.3
Q5	72.5	84.2	67.3
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.2	0.0	0.0
Q2	1.7	0.0	0.3
Q3	7.8	0.9	7.0
Q4	18.0	15.5	25.4
Q5	72.3	83.6	67.2
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	7.8	6.3	23.8	1.2	9.4	13.4	1.1	9.6	13.4
ST	11.8	3.9	0.8	7.9	0.9	2.0	7.7	0.9	2.0
Muslim	—	12.2	9.0	—	1.3	2.5	—	1.2	2.5
Others	—	77.6	66.4	—	88.4	82.1	—	88.3	82.0
Muslim+ Others	80.4	—	—	91.0	—	—	91.2	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	5.8	5.1	0.0
Tenants/Cultivators	6.1	8.9	0.0
Leased-in area/Operated area	1.9	4.4	0.0

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

11 Inland Eastern Karnataka

Inland Eastern Karnataka includes Shimoga, Chikmagalur, Hassan, and Kodagu districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	192	27	15.3	58,880	390.2	962,839
2002-03	296	8	6.3	37,331	462.3	1,132,415
2012-13	163	2	0.7	1495	266.7	612,854

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.1	0.2	0.7
Q3	10.5	8.7	6.9
Q4	19.7	19.6	22.8
Q5	68.7	71.6	69.6
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.6	1.4	1.0
Q3	11.0	9.9	6.7
Q4	22.3	20.2	22.6
Q5	65.1	68.5	69.7
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	11.9	15.5	31.2	5.3	6.3	11.2	5.5	6.1	11.3
ST	8.1	13.5	0.6	6.2	1.0	3.9	5.9	3.3	3.9
Muslim	—	3.3	2.8	—	1.4	2.2	—	1.3	2.2
Others	—	67.7	65.3	—	91.3	82.7	—	89.3	82.6
Muslim+ Others	80.0	—	—	88.4	—	—	88.5	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	16.2	7.1	0.5
Tenants/Cultivators	19.5	8.9	0.8
Leased-in area/Operated area	6.1	3.3	0.2

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed produce	94.0	0.0
Produce share	6.0	39.3
Other	0.0	60.7
Total	100.0	100.0

12 Inland Southern Karnataka

Inland Southern Karnataka includes Tumkur, Bangalore, Mandya, Mysore, Chamarajanagar, Kolar, Chikkaballapura, Bangalore Rural, and Ramanagara districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	392	14	8	42,803	706.7	1,615,490
2002-03	610	12	5.6	11,767	705.5	1,227,702
2012-13	383	25	17.4	96,518	387.9	1,207,763

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	2.3	0.4	3.5
Q3	11.6	10.1	10.8
Q4	23.2	24.5	22.2
Q5	62.8	65.0	63.5
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	2.6	0.5	3.0
Q3	11.9	10.2	10.2
Q4	23.6	24.7	22.3
Q5	61.8	64.5	64.5
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	17.1	21.2	28.1	9.6	10.1	21.8	9.3	10.3	21.8
ST	11.9	6.2	3.7	8.2	4.2	4.6	8.0	4.5	4.3
Muslim	—	1.6	2.0	—	0.9	0.2	—	0.9	0.2
Others	—	71.0	66.2	—	84.7	73.4	—	84.3	73.7
Muslim+ Others	71.0	—	—	82.2	—	—	82.7	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	4.1	1.6	4.8
Tenants/Cultivators	5.5	2.4	6.2
Leased-in area/Operated area	2.6	1.0	8.0

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	2.2	31.3
Fixed produce	28.3	4.4
Produce share	58.1	59.6
Other	11.4	4.6
Total	100.0	100.0

13 Inland Northern Karnataka

Inland Northern Karnataka includes Belgaum, Bagalkot, Bijapur, Bidar, Raichur, Koppal, Gadag, Dharwad, Haveri, Bellary, Chitradurga, Davanagere, Gulbarga, and Yadgir districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	535	50	186.5	590,126	2460.3	5,492,433
2002-03	959	44	85.3	179,897	1729.8	4,239,180
2012-13	680	52	76.8	274,124	897.5	3,347,790

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.5	0.0	0.0
Q3	9.9	7.2	5.6
Q4	21.5	20.9	20.3
Q5	68.1	71.9	74.1
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.1	0.0	0.0
Q3	10.0	6.9	6.2
Q4	21.3	21.0	20.9
Q5	67.6	72.1	72.8
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	18.4	18.8	19.2	11.2	7.2	8.7	10.6	7.3	9.0
ST	8.8	9.4	9.1	9.4	8.9	5.8	8.8	9.3	6.0
Muslim	—	9.0	7.5	—	3.7	5.2	—	3.7	5.2
Others	—	62.8	64.2	—	80.3	80.4	—	79.6	79.7
Muslim+ Others	72.8	—	—	79.4	—	—	80.7	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	8.2	3.5	6.1
Tenants/Cultivators	11.4	5.2	10.5
Leased-in area/Operated area	10.7	4.2	8.2

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	44.4	16.8
Fixed produce	31.0	11.4
Produce share	24.6	59.8
Other	0.0	12.0
Total	100.0	100.0

Kerala

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	1310	72	41.5	35,442	1020.9	1,240,862
2002-03	2230	79	40.2	53,960	773.4	1,194,018
2012-13	1238	126	139.9	91,346	1105.6	980,432

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	989	2017	798
1-2 ha	192	161	265
2-3 ha	65	27	101
3-4 ha	30	12	40
4-5 ha	11	4	23
>5 ha	23	9	11

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	46	67	54
1-2 ha	13	7	40
2-3 ha	5	3	20
3-4 ha	3	1	6
4-5 ha	1	0	2
>5 ha	4	1	4

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	164	880	259
Q1	46	0	0
Q2	147	30	97
Q3	161	347	140
Q4	230	324	159
Q5	562	649	583
All households	1310	2230	1238

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	22	19	30
Q1	0	0	0
Q2	4	4	7
Q3	9	21	13
Q4	8	17	14
Q5	29	18	62
All households	72	79	126

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	108	242	95
ST	13	46	21
Muslims	—	490	311
Others	—	1452	811
Muslim+ Others	1189	1942	1122

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	5	9	9
ST	—	1	1
Others	—	58	89
Muslims	—	11	27
Muslim+ Others	67	69	116

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.2	0.0	0.0
Q2	1.8	0.1	0.7
Q3	5.5	4.2	4.1
Q4	17.3	14.9	14.1
Q5	75.2	80.8	81.1
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.2	0.0	0.0
Q2	1.8	0.1	1.0
Q3	5.5	4.3	4.7
Q4	17.4	15.5	14.4
Q5	75.0	80.0	79.9
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	14.2	37.9	27.0	0.0	0.0	0.0
0-1 ha	78.3	57.3	69.0	52.2	53.0	61.6
1-2 ha	5.4	3.5	3.2	24.2	21.2	23.8
2-3 ha	1.3	0.6	0.5	10.0	6.0	6.8
3-4 ha	0.5	0.4	0.2	5.5	6.4	3.3
4-5 ha	0.1	0.2	0.1	1.9	3.9	3.1
>5 ha	0.2	0.2	0.0	6.1	9.6	1.4
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	12.8	37.0	23.7	0.0	0.0	0.0
0-1 ha	79.5	57.8	72.3	51.5	52.5	62.5
1-2 ha	5.6	3.8	3.1	24.3	22.3	22.7
2-3 ha	1.3	0.6	0.6	9.7	5.8	7.4
3-4 ha	0.5	0.4	0.2	5.7	6.7	3.1
4-5 ha	0.1	0.2	0.1	2.1	3.7	2.1
>5 ha	0.3	0.2	0.1	6.7	9.1	2.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	11.7	11.4	13.5	2.9	3.1	2.8	2.8	3.0	4.6
ST	0.9	1.1	1.2	1.1	1.1	0.9	1.1	1.0	0.8
Muslim	—	18.5	27.0	—	15.5	17.8	—	15.3	17.0
Others	—	69.1	58.4	—	80.4	78.5	—	80.6	77.6
Muslim+ Others	87.5	87.5	85.4	96.0	95.8	96.3	96.1	95.9	94.6
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Table A.13. Tenant households as a proportion of all rural households, tenant households/cultivator households, leased-in area/ total operated area (per cent)

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	3.8	4.3	2.9
2002-03	3.7	5.9	4.5
2012-13	7.8	10.2	9.3

4 Types of contracts

Table A.14. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	44.5	39.3
Fixed produce	7.0	11.3
Produce share	13.2	7.9
Other	35.2	41.5
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Table A.15. Distribution of all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	12.8	37.0	23.7
0-1 ha	79.5	57.8	72.3
1-2 ha	5.6	3.8	3.1
2-3 ha	1.3	0.6	0.6
3-4 ha	0.5	0.4	0.2
4-5 ha	0.1	0.2	0.1
>5 ha	0.3	0.2	0.1
Total	100.0	100.0	100.0

Table A.16. Distribution of tenant households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	83.8	90.3	92.0
1-2 ha	11.2	8.0	6.3
2-3 ha	1.8	0.6	1.3
3-4 ha	1.5	1.0	0.3
4-5 ha	0.4	0.0	0.0
>5 ha	1.3	0.0	0.2
Total	100.0	100.0	100.0

Table A.17. Proportion of tenants among all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	4.0	5.8	9.9
1-2 ha	7.6	8.0	15.8
2-3 ha	5.2	4.1	17.3
3-4 ha	10.8	8.6	11.7
4-5 ha	9.6	0.0	3.7
>5 ha	19.1	0.7	25.4

Table A.18. Distribution of operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	51.5	52.5	62.5
1-2 ha	24.3	22.3	22.7
2-3 ha	9.7	5.8	7.4
3-4 ha	5.7	6.7	3.1
4-5 ha	2.1	3.7	2.1
>5 ha	6.7	9.1	2.2
Total	100.0	100.0	100.0

Table A.19. Distribution of leased-in area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	36.3	49.0	57.0
1-2 ha	30.8	34.9	23.8
2-3 ha	7.5	3.3	6.0
3-4 ha	7.1	11.4	1.9
4-5 ha	2.2	0.0	0.5
>5 ha	16.1	1.5	10.7
Total	100.0	100.0	100.0

Table A.20. Proportion of leased-in area in total operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	2.0	4.2	8.5
1-2 ha	3.6	7.1	9.8
2-3 ha	2.2	2.5	7.6
3-4 ha	3.6	7.7	5.7
4-5 ha	3.0	0.0	2.3
>5 ha	6.9	0.7	45.3

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	39.0	14.0	31.0
Q2	10.8	19.1	15.6
Q3	21.9	30.3	20.5
Q4	7.6	22.6	17.6
Q5	20.8	14.1	15.3
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	15.8	11.6	13.0
Q2	4.5	11.8	11.3
Q3	19.7	27.4	15.3
Q4	12.6	21.6	25.3
Q5	47.3	27.6	35.1
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	10.3	2.6	12.1
Q1	0.0	—	—
Q2	2.0	11.9	2.9
Q3	4.2	5.6	8.1
Q4	1.4	4.2	6.7
Q5	3.9	2.6	5.9
All households	3.8	3.7	7.8

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.010	0.006	0.012
Q1	—	—	—
Q2	0.002	0.008	0.009
Q3	0.009	0.015	0.014
Q4	0.006	0.012	0.022
Q5	0.021	0.015	0.031
All households	0.009	0.011	0.018

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	11.7	11.4	13.5
ST	0.9	1.1	1.2
Muslim	—	18.5	27.0
Others	—	69.1	58.4
Muslim+	87.5	87.5	85.4
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	4.2	14.0	25.6
ST	—	1.4	0.4
Muslim	—	12.5	14.2
Others	—	72.2	59.7
Muslim+	95.8	84.7	74.0
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	1.4	4.6	14.8
ST	—	4.6	2.4
Muslim	—	2.5	4.1
Others	—	3.9	8.0
Muslim+	4.1	3.6	6.8
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	2.8	3.0	4.6
ST	1.1	1.0	0.8
Muslim	—	15.3	17.0
Others	—	80.6	77.6
Muslim+	96.1	95.9	94.6
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	0.9	1.8	20.8
ST	—	0.8	0.4
Muslim	—	13.9	12.6
Others	—	83.5	66.2
Muslim+	99.1	97.4	78.8
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	0.9	2.7	42.5
ST	—	3.3	4.3
Muslim	—	4.1	6.9
Others	—	4.7	7.9
Muslim+	2.9	4.6	7.8
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	25.5	61.2	41.4	24.2	57.3	34.6
ST	2.2	41.3	59.2	2.2	41.3	59.2
Muslim	—	39.1	28.0	—	39.0	25.4
Others	—	33.6	22.5	—	33.0	19.7
Muslim+ Others	12.9	34.8	24.2	11.4	34.3	21.5

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	22	1.5	39.0	0.5	15.8
2002-03	20	1.0	27.8	1.1	23.7
2012-13	31	3.3	41.8	1.7	18.2

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	48.6	0.0	0.0	3.5	0.0	0.0
Q2	23.2	62.1	29.5	7.3	1.8	2.2
Q3	19.6	9.5	45.4	18.4	1.8	21.3
Q4	4.5	16.4	22.0	17.2	12.2	30.9
Q5	4.1	12.0	3.0	53.6	84.2	45.5
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	5.1	6.5	16.4
ST	—	—	—
Muslim	—	0.3	9.5
Others	—	2.4	12.4
Muslim+ Others	11.7	1.9	11.3

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.05	0.01	0.09
ST	—	—	—
Muslim	—	0.18	0.07
Others	—	0.44	0.12
Muslim+ Others	0.10	0.43	0.10

Tamil Nadu

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	1811	229	228.4	477,876	2237.9	4,015,752
2002-03	3208	190	146.8	258,434	1886.8	3,803,374
2012-13	1959	189	198.4	433,306	2015.4	3,034,705

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	1167	2538	1150
1-2 ha	306	433	441
2-3 ha	149	127	228
3-4 ha	71	41	58
4-5 ha	36	38	38
>5 ha	82	31	44

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	98	113	67
1-2 ha	65	49	53
2-3 ha	32	12	38
3-4 ha	12	10	12
4-5 ha	5	2	4
>5 ha	17	4	15

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	587	1450	718
Q3	122	123	74
Q4	323	599	216
Q5	779	1036	951
All households	1811	3208	1959

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	58	66	44
Q3	26	19	16
Q4	48	50	48
Q5	97	55	81
All households	229	190	189

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	412	747	422
ST	31	41	72
Muslims	—	109	51
Others	—	2311	1414
Muslim+ Others	1368	2420	1465

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	57	52	49
ST	2	1	—
Others	—	132	133
Muslims	—	5	7
Muslim+ Others	170	137	140

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	0.8	0.0	0.1
Q4	14.9	10.8	11.1
Q5	84.3	89.2	88.9
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	2.0	0.1	0.4
Q4	15.9	12.0	13.1
Q5	82.1	87.9	86.5
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	49.7	56.3	52.4	0.0	0.0	0.0
0-1 ha	37.6	34.1	40.0	30.3	32.3	42.1
1-2 ha	8.2	5.7	4.3	28.2	23.7	20.6
2-3 ha	2.5	2.0	2.2	15.5	14.5	17.5
3-4 ha	0.9	0.6	0.4	7.6	6.4	4.4
4-5 ha	0.6	0.7	0.4	6.8	8.7	5.6
>5 ha	0.6	0.6	0.4	11.7	14.3	9.8
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	46.5	54.7	51.0	0.0	0.0	0.0
0-1 ha	39.0	35.2	39.9	28.4	31.9	38.2
1-2 ha	9.1	6.1	4.8	28.5	24.1	20.1
2-3 ha	2.9	2.1	3.1	15.7	14.3	21.6
3-4 ha	1.1	0.7	0.4	8.4	6.7	3.7
4-5 ha	0.7	0.7	0.3	6.8	8.1	4.2
>5 ha	0.6	0.6	0.6	12.1	14.9	12.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	31.7	25.8	27.4	12.5	7.8	14.2	14.3	8.6	13.8
ST	1.7	1.0	0.7	1.8	1.2	1.7	1.9	1.1	1.5
Muslim	—	3.3	4.1	—	1.4	2.9	—	1.2	3.3
Others	—	69.8	67.8	—	89.6	81.2	—	89.2	81.3
Muslim+ Others	66.6	73.1	71.9	85.7	91.0	84.2	83.8	90.3	84.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Table A.13. Tenant households as a proportion of all rural households, tenant households/cultivator households, leased-in area/ total operated area (per cent)

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	8.9	16.6	11.9
2002-03	4.4	9.7	6.8
2012-13	7.4	15.2	14.3

4 Types of contracts

Table A.14. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	29.5	62.9
Fixed produce	24.5	7.9
Produce share	31.9	6.1
Other	14.1	23.2
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Table A.15. Distribution of all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	46.5	54.7	51.0
0-1 ha	39.0	35.2	39.9
1-2 ha	9.1	6.1	4.8
2-3 ha	2.9	2.1	3.1
3-4 ha	1.1	0.7	0.4
4-5 ha	0.7	0.7	0.3
>5 ha	0.6	0.6	0.6
Total	100.0	100.0	100.0

Table A.16. Distribution of tenant households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	63.0	74.5	70.8
1-2 ha	23.5	16.3	9.4
2-3 ha	7.3	4.3	14.8
3-4 ha	3.2	3.4	0.8
4-5 ha	1.6	0.2	0.2
>5 ha	1.4	1.4	4.0
Total	100.0	100.0	100.0

Table A.17. Proportion of tenants among all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	14.3	9.3	13.2
1-2 ha	22.8	11.8	14.6
2-3 ha	21.9	9.2	35.5
3-4 ha	26.1	21.6	16.4
4-5 ha	21.0	1.1	6.0
>5 ha	19.6	9.3	50.8

Table A.18. Distribution of operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	28.4	31.9	38.2
1-2 ha	28.5	24.1	20.1
2-3 ha	15.7	14.3	21.6
3-4 ha	8.4	6.7	3.7
4-5 ha	6.8	8.1	4.2
>5 ha	12.1	14.9	12.2
Total	100.0	100.0	100.0

Table A.19. Distribution of leased-in area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	28.0	40.3	24.5
1-2 ha	30.8	25.8	12.2
2-3 ha	15.7	9.4	46.4
3-4 ha	8.0	5.1	1.7
4-5 ha	7.9	0.5	0.9
>5 ha	9.6	18.9	14.3
Total	100.0	100.0	100.0

Table A.20. Proportion of leased-in area in total operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	11.7	8.6	9.2
1-2 ha	12.9	7.3	8.7
2-3 ha	11.9	4.4	30.7
3-4 ha	11.3	5.2	6.4
4-5 ha	13.8	0.4	2.9
>5 ha	9.4	8.6	16.7

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	14.5	14.1	7.6
Q2	14.5	14.1	7.6
Q3	33.9	30.7	17.3
Q4	—	—	—
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	11.1	10.5	4.7
Q2	11.1	10.5	4.7
Q3	51.1	48.7	26.3
Q4	—	—	—
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	6.4	3.1	2.8
Q3	15.6	12.3	22.8
Q4	8.5	6.8	17.4
Q5	11.9	4.2	4.5
All households	8.9	4.4	7.4

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.029	0.012	0.011
Q3	0.064	0.054	0.057
Q4	0.038	0.026	0.132
Q5	0.121	0.047	0.051
All households	0.053	0.023	0.046

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	31.7	25.8	27.4
ST	1.7	1.0	0.7
Muslim	—	3.3	4.1
Others	—	69.8	67.8
Muslim+	66.6	73.1	71.9
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	29.4	27.5	17.3
ST	1.2	0.2	—
Muslim	—	1.3	13.4
Others	—	71.1	69.3
Muslim+	69.4	72.4	82.7
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	8.2	4.7	4.7
ST	6.4	0.7	—
Muslim	—	1.8	24.2
Others	—	4.5	7.6
Muslim+	9.2	4.4	8.5
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	14.3	8.6	13.8
ST	1.9	1.1	1.5
Muslim	—	1.2	3.3
Others	—	89.2	81.3
Muslim+	83.8	90.3	84.7
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	27.1	17.6	10.1
ST	2.4	—	—
Muslim	—	1.3	6.9
Others	—	81.1	83.0
Muslim+	70.5	82.4	89.9
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	22.7	14.0	10.4
ST	15.0	—	—
Muslim	—	7.3	29.6
Others	—	6.2	14.6
Muslim+	10.0	6.2	15.2
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	63.3	67.8	60.4	60.2	66.1	59.0
ST	23.5	48.4	38.6	23.5	48.4	38.6
Muslim	—	63.3	56.4	—	62.7	55.9
Others	—	51.8	49.1	—	50.1	47.6
Muslim+ Others	43.9	52.3	49.5	40.6	50.7	48.1

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	58	3.2	35.9	3.3	27.5
2002-03	69	1.8	41.6	2.0	30.2
2012-13	46	1.5	20.7	1.9	13.5

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0	0.0	0.0	0.0
Q2	0.0	0.0	0.0	0.0	0.0	0.0
Q3	36.5	20.2	18.6	5.9	0.1	0.8
Q4	44.8	51.1	69.9	32.2	26.3	44.6
Q5	18.7	28.8	11.5	61.9	73.6	54.7
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	4.9	3.4	2.4
ST	—	—	—
Muslim	—	1.8	0.8
Others	—	3.3	3.4
Muslim+ Others	7.5	3.3	3.2

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.63	0.32	0.20
ST	—	—	—
Muslim	—	0.57	2.67
Others	—	0.41	0.44
Muslim+ Others	0.38	0.42	0.48

10 Coastal Tamil Nadu

Coastal Tamil Nadu includes Thiruvallur, Chennai, Kancheepuram, Vellore, Tiruvanamalai, Viluppuram, Karur, Tiruchirappalli, Perambalur, Ariyalur, Cuddalore, Nagapattinam, Thiruvarur, Thanjavur, and Pudukkottai districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	896	137	137.1	280,388	1044.7	1,894,520
2002-03	1528	122	101.7	181,067	900.1	1,731,636
2012-13	1016	111	108.9	337,759	979.3	1,682,454

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	1.1	0.1	0.2
Q4	18.4	13.5	12.2
Q5	80.5	86.4	87.7
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	2.6	0.1	0.9
Q4	19.9	14.7	13.2
Q5	77.5	85.2	85.8
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	35.7	29.1	35.2	17.3	7.8	18.6	19.4	9.2	17.3
ST	1.7	1.0	0.4	2.3	1.2	0.5	2.6	1.1	0.4
Muslim	—	4.4	3.2	—	2.1	3.1	—	1.4	3.7
Others	—	65.6	61.2	—	88.9	77.8	—	88.2	78.6
Muslim+ Others	62.6	—	—	80.4	—	—	78.0	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	10.5	6.3	9.5
Tenants/Cultivators	18.0	12.6	16.6
Leased-in area/Operated area	14.8	10.5	20.1

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	19.1	64.1
Fixed produce	31.5	9.0
Produce share	35.7	5.5
Other	13.7	21.4
Total	100.0	100.0

11 Southern Tamil Nadu

Southern Tamil Nadu includes Dindigul, Sivaganga, Madurai, Theni, Virudhunagar, Ramanathapuram, Toothukudi, Tirunelveli, and Kanniyakumari districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	472	60	43.5	114,442	470.4	1,010,158
2002-03	912	48	32.1	48,995	510.3	946,314
2012-13	463	68	74.9	85,265	543.5	778,064

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	1.4	0.0	0.0
Q4	15.6	10.2	5.7
Q5	82.9	89.8	94.3
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	2.8	0.0	0.0
Q4	17.3	11.7	7.6
Q5	79.9	88.3	92.4
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	18.9	25.1	14.3	11.2	11.8	13.6	12.7	12.2	13.9
ST	0.7	—	0.5	0.5	—	3.1	0.5	—	2.7
Muslim	—	3.3	8.7	—	0.9	5.0	—	1.1	4.6
Others	—	71.6	76.6	—	87.3	78.4	—	86.6	78.8
Muslim+ Others	80.4	—	—	88.3	—	—	86.8	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	10.6	3.8	7.6
Tenants/Cultivators	18.2	8.5	21.1
Leased-in area/Operated area	11.3	5.2	11.0

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	60.5	57.4
Fixed produce	12.8	4.3
Produce share	21.7	8.9
Other	4.9	29.5
Total	100.0	100.0

12 Inland Tamil Nadu

Inland Tamil Nadu includes Salem, Namakkal, Erode, The Nilgiris, Dharmapuri, Krishnagiri, Coimbatore, and Tiruppur districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	443	32	47.9	83,047	722.8	1,111,074
2002-03	768	20	13	28,371	476.3	1,125,425
2012-13	480	10	14.6	10,282	492.5	574,187

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	0.0	0.0	0.0
Q4	7.9	6.9	9.5
Q5	92.1	93.1	90.5
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	0.0	0.0	0.0
Q4	8.3	8.0	10.0
Q5	91.7	92.0	90.0
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	37.0	21.4	22.4	6.2	4.5	3.6	6.9	4.4	3.6
ST	2.7	2.1	1.8	2.2	2.0	2.9	2.0	2.0	2.9
Muslim	—	1.6	1.2	—	0.8	0.0	—	0.8	0.7
Others	—	74.9	74.6	—	92.7	93.4	—	92.8	92.8
Muslim+ Others	60.3	—	—	91.6	—	—	91.1	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	4.2	2.0	2.0
Tenants/Cultivators	10.5	5.1	4.5
Leased-in area/Operated area	7.5	2.5	1.8

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	43.4	70.0
Produce share	24.8	0.0
Other	31.8	30.0
Total	100.0	100.0

Andhra Pradesh

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	1542	256	374.9	704,614	2713.8	4,975,488
2002-03	2164	322	360.6	871,981	2030.6	5,148,461
2012-13	1184	354	488.2	2,090,788	1358.9	5,043,436

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	878	1520	662
1-2 ha	266	319	285
2-3 ha	138	164	134
3-4 ha	62	65	56
4-5 ha	64	47	21
>5 ha	134	49	26

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	84	145	87
1-2 ha	74	88	131
2-3 ha	39	48	74
3-4 ha	18	15	38
4-5 ha	13	13	13
>5 ha	28	13	11

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	493	949	408
Q3	165	103	88
Q4	278	414	246
Q5	606	698	442
All households	1542	2164	1184

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	42	99	90
Q3	59	19	31
Q4	66	98	111
Q5	89	106	122
All households	256	322	354

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	265	474	207
ST	83	170	171
Muslims	—	93	24
Others	—	1427	782
Muslim+ Others	1194	1520	806

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	56	87	77
ST	14	10	39
Others	—	217	229
Muslims	—	8	9
Muslim+ Others	186	225	238

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	3.4	1.4	3.9
Q4	19.2	14.1	17.6
Q5	77.4	84.5	78.5
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	4.6	1.3	7.0
Q4	20.4	15.6	24.4
Q5	75.0	83.1	68.6
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	46.6	55.6	54.4	0.0	0.0	0.0
0-1 ha	35.6	31.0	34.6	22.8	22.3	36.8
1-2 ha	10.3	7.3	7.3	24.8	20.7	28.5
2-3 ha	3.8	2.7	1.7	14.8	13.1	11.1
3-4 ha	1.1	0.9	1.1	6.5	6.7	9.8
4-5 ha	0.9	1.0	0.4	6.6	8.9	4.9
>5 ha	1.7	1.4	0.4	24.5	28.3	9.0
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	44.8	52.5	43.2	0.0	0.0	0.0
0-1 ha	33.8	31.7	32.1	19.8	20.8	21.8
1-2 ha	12.3	9.0	18.3	25.2	21.7	41.9
2-3 ha	4.8	3.1	3.5	16.7	12.4	14.1
3-4 ha	1.3	1.1	1.7	6.3	6.7	9.9
4-5 ha	1.1	1.2	0.6	6.7	8.8	4.2
>5 ha	2.0	1.5	0.7	25.3	29.6	8.0
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	21.2	25.8	21.9	7.4	7.9	12.7	9.0	9.2	18.5
ST	8.3	7.4	6.2	8.4	7.5	9.2	9.4	6.8	6.8
Muslim	—	6.8	1.8	—	2.2	0.7	—	2.1	1.0
Others	—	60.0	70.2	—	82.5	77.4	—	81.9	73.7
Muslim+ Others	70.5	66.8	72.0	84.2	84.7	78.1	81.7	84.0	74.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Table A.13. Tenant households as a proportion of all rural households, tenant households/cultivator households, leased-in area/ total operated area (per cent)

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	11.7	21.2	14.2
2002-03	9.9	20.8	16.9
2012-13	24.3	42.8	41.5

4 Types of contracts

Table A.14. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	28.9	55.2
Fixed produce	32.5	23.0
Produce share	34.1	15.9
Other	4.5	5.9
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Table A.15. Distribution of all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	44.8	52.5	43.2
0-1 ha	33.8	31.7	32.1
1-2 ha	12.3	9.0	18.3
2-3 ha	4.8	3.1	3.5
3-4 ha	1.3	1.1	1.7
4-5 ha	1.1	1.2	0.6
>5 ha	2.0	1.5	0.7
Total	100.0	100.0	100.0

Table A.16. Distribution of tenant households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	47.8	60.3	35.0
1-2 ha	29.9	25.7	51.2
2-3 ha	13.9	6.2	8.0
3-4 ha	3.4	2.1	3.8
4-5 ha	1.6	2.4	1.0
>5 ha	3.4	3.3	0.9
Total	100.0	100.0	100.0

Table A.17. Proportion of tenants among all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	16.6	18.8	26.6
1-2 ha	28.5	28.3	68.1
2-3 ha	33.6	20.0	56.3
3-4 ha	31.0	19.2	53.7
4-5 ha	17.5	20.3	41.2
>5 ha	19.7	22.6	34.0

Table A.18. Distribution of operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	19.8	20.8	21.8
1-2 ha	25.2	21.7	41.9
2-3 ha	16.7	12.4	14.1
3-4 ha	6.3	6.7	9.9
4-5 ha	6.7	8.8	4.2
>5 ha	25.3	29.6	8.0
Total	100.0	100.0	100.0

Table A.19. Distribution of leased-in area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	23.2	23.5	14.3
1-2 ha	28.6	21.6	56.5
2-3 ha	16.8	10.5	14.5
3-4 ha	7.5	3.9	6.7
4-5 ha	3.9	6.1	2.5
>5 ha	20.1	34.5	5.6
Total	100.0	100.0	100.0

Table A.20. Proportion of leased-in area in total operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	16.6	19.1	27.1
1-2 ha	16.0	16.8	55.8
2-3 ha	14.2	14.3	42.7
3-4 ha	16.7	9.7	28.0
4-5 ha	8.3	11.7	24.1
>5 ha	11.2	19.8	29.0

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	6.7	11.7	18.2
Q2	6.7	11.7	18.2
Q3	32.3	37.8	26.3
Q4	—	—	—
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	5.9	8.2	17.7
Q2	5.9	8.2	17.7
Q3	44.7	60.4	31.4
Q4	—	—	—
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	3.9	5.8	22.1
Q3	21.3	11.5	13.7
Q4	17.5	16.7	42.1
Q5	17.5	14.1	15.8
All households	11.7	9.9	24.3

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.029	0.040	0.213
Q3	0.146	0.093	0.158
Q4	0.112	0.092	0.360
Q5	0.206	0.260	0.221
All households	0.096	0.096	0.241

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	21.2	25.8	21.9
ST	8.3	7.4	6.2
Muslim	—	6.8	1.8
Others	—	60.0	70.2
Muslim+	70.5	66.8	72.0
Others	—	—	—
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	22.0	23.6	28.1
ST	4.4	5.3	5.0
Muslim	—	3.3	1.5
Others	—	67.8	65.4
Muslim+	73.6	71.1	66.9
Others	—	—	—
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	12.1	9.0	31.3
ST	6.2	7.2	19.7
Muslim	—	4.8	20.6
Others	—	11.2	22.7
Muslim+	12.2	10.5	22.6
Others	—	—	—

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	9.0	9.2	18.5
ST	9.4	6.8	6.8
Muslim	—	2.1	1.0
Others	—	81.9	73.7
Muslim+	81.7	84.0	74.7
Others	—	—	—
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	18.2	15.7	26.0
ST	15.4	3.0	3.5
Muslim	—	3.5	2.1
Others	—	77.9	68.4
Muslim+	66.4	81.3	70.5
Others	—	—	—
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	28.7	28.9	58.5
ST	23.3	7.4	21.3
Muslim	—	28.1	82.7
Others	—	16.1	38.5
Muslim+	11.5	16.4	39.1
Others	—	—	—

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	58.3	65.3	54.7	54.3	62.0	48.6
ST	36.0	43.0	40.5	35.5	41.8	34.2
Muslim	—	85.8	48.8	—	84.7	74.2
Others	—	49.6	55.7	—	46.1	41.5
Muslim+ Others	44.3	53.3	55.5	43.0	50.0	42.3

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	42	1.8	15.6	2.0	13.8
2002-03	105	3.3	33.4	4.0	23.6
2012-13	91	12.0	49.4	20.0	48.2

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0	0.0	0.0	0.0
Q2	0.0	0.0	0.0	0.0	0.0	0.0
Q3	27.2	7.3	15.1	8.8	0.7	1.1
Q4	52.2	47.7	34.5	51.5	24.3	26.2
Q5	20.6	45.1	50.4	39.6	75.0	72.8
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	6.9	5.1	11.2
ST	1.3	3.0	15.7
Muslim	—	2.0	28.9
Others	—	7.5	25.7
Muslim+ Others	3.0	6.6	25.8

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.55	0.62	1.03
ST	1.78	0.81	1.01
Muslim	—	0.48	1.27
Others	—	0.72	0.95
Muslim+ Others	0.85	0.71	0.96

10 Coastal Andhra Pradesh

Coastal Andhra Pradesh includes Srikakulam, Vizianagaram, Visakhapatnam, East Godavari, and West Godavari districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	1095	218	325.2	507,224	1746.8	2,846,338
2002-03	1460	253	266.3	448,534	1196.9	2,245,234
2012-13	448	148	183.1	897,618	498.8	1,641,068

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	1.2	0.0	3.6 (-05)
Q4	17.8	10.9	16.3
Q5	81.1	89.1	83.7
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	2.6	0.1	6.7
Q4	19.9	15.1	25.2
Q5	77.4	84.8	68.1
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	21.1	24.6	11.3	7.5	6.7	4.4	10.4	8.9	4.1
ST	9.3	9.6	10.6	12.2	16.5	32.7	10.8	14.2	17.5
Muslim	—	3.7	0.2	—	0.5	—	—	0.7	—
Others	—	62.1	78.0	—	76.3	62.9	—	76.2	78.4
Muslim+ Others	69.6	—	—	80.4	—	—	78.8	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	13.5	11.0	26.5
Tenants/Cultivators	24.9	23.9	46.0
Leased-in area/Operated area	17.8	20.0	54.7

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	29.1	64.7
Fixed produce	50.0	30.6
Produce share	14.9	2.5
Other	6.0	2.2
Total	100.0	100.0

11 Rayalaseema

Rayalaseema includes Krishna, Guntur, Prakasam, Sri Potti Sriramulu Nellore, Cuddapah (Y.s.r), Kurnool, Anantapur, and Chittoor districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	447	38	49.6	197,390	967.1	2,129,151
2002-03	704	69	94.3	423,447	833.7	2,903,227
2012-13	736	206	305.1	1,193,171	860.1	3,402,368

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	6.1	2.4	5.3
Q4	20.9	16.3	18.1
Q5	73.0	81.2	76.6
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.0	0.0	0.0
Q3	7.5	2.2	7.1
Q4	20.9	16.0	23.9
Q5	71.7	81.8	68.9
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	21.4	28.3	29.7	7.4	8.7	15.7	7.1	9.5	25.4
ST	5.6	3.0	2.9	3.8	0.9	0.9	7.4	1.0	1.7
Muslim	—	12.8	3.0	—	3.4	0.9	—	3.2	1.5
Others	—	55.9	64.4	—	87.0	82.5	—	86.4	71.4
Muslim+ Others	73.0	—	—	88.8	—	—	85.5	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	6.9	7.7	22.7
Tenants/Cultivators	11.8	15.3	40.5
Leased-in area/Operated area	9.3	14.6	35.1

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	28.6	48.7
Fixed produce	9.3	17.8
Produce share	59.6	25.0
Other	2.5	8.4
Total	100.0	100.0

Telangana

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	853	40	68.1	181,310	1725.2	4,093,340
2002-03	1267	47	57.4	145,231	1286.9	4,633,480
2012-13	767	95	126.4	571,576	887.1	3,696,966

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	415	865	414
1-2 ha	156	195	175
2-3 ha	105	102	115
3-4 ha	44	34	25
4-5 ha	48	31	17
>5 ha	85	40	21

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	4	10	20
1-2 ha	8	13	25
2-3 ha	12	10	24
3-4 ha	3	5	8
4-5 ha	7	3	6
>5 ha	6	6	12

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	224	459	244
Q2	25	0	0
Q3	119	244	110
Q4	171	223	128
Q5	314	341	285
All households	853	1267	767

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	3	5	14
Q2	1	0	0
Q3	7	12	20
Q4	11	11	22
Q5	18	19	39
All households	40	47	95

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	136	250	168
ST	100	97	111
Muslims	—	49	33
Others	—	871	455
Muslim+ Others	615	920	488

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	5	4	18
ST	—	1	9
Others	—	39	63
Muslims	—	3	5
Muslim+ Others	35	42	68

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.4	0.0	0.0
Q3	8.4	4.6	10.3
Q4	22.4	18.7	21.6
Q5	68.8	76.7	68.1
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.5	0.0	0.0
Q3	8.6	4.4	10.2
Q4	22.3	18.8	21.7
Q5	68.7	76.8	68.1
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	35.2	40.9	42.5	0.0	0.0	0.0
0-1 ha	33.3	34.6	36.6	16.2	17.5	28.6
1-2 ha	16.3	13.1	12.6	23.7	20.9	26.7
2-3 ha	7.6	4.9	4.9	18.0	12.9	17.4
3-4 ha	2.8	1.9	0.9	9.9	7.3	4.9
4-5 ha	2.0	2.5	0.6	8.8	12.5	4.3
>5 ha	2.7	2.1	1.9	23.4	28.9	18.1
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	34.7	40.7	39.0	0.0	0.0	0.0
0-1 ha	32.5	34.0	36.5	15.1	16.4	24.3
1-2 ha	16.3	13.2	13.4	22.7	20.6	25.3
2-3 ha	8.6	5.2	6.6	19.7	13.4	20.1
3-4 ha	2.8	2.2	1.1	9.4	8.4	5.1
4-5 ha	2.2	2.5	0.7	9.3	12.3	4.0
>5 ha	2.9	2.2	2.6	23.9	28.9	21.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	20.1	22.2	27.0	9.4	10.6	20.4	9.8	10.7	20.5
ST	12.3	9.3	9.4	14.2	21.7	13.6	13.5	21.0	13.3
Muslim	—	4.7	6.0	—	0.8	1.0	—	1.1	1.6
Others	—	63.7	57.6	—	67.0	64.9	—	67.2	64.7
Muslim+ Others	67.5	68.5	63.6	76.4	67.7	66.0	76.6	68.3	66.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Table A.13. Tenant households as a proportion of all rural households, tenant households/cultivator households, leased-in area/ total operated area (per cent)

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	3.4	5.2	4.4
2002-03	2.8	4.7	3.1
2012-13	12.2	20.0	15.5

4 Types of contracts

Table A.14. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	33.3	61.0
Fixed produce	33.2	5.9
Produce share	22.5	29.8
Other	11.1	3.4
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Table A.15. Distribution of all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	34.7	40.7	39.0
0-1 ha	32.5	34.0	36.5
1-2 ha	16.3	13.2	13.4
2-3 ha	8.6	5.2	6.6
3-4 ha	2.8	2.2	1.1
4-5 ha	2.2	2.5	0.7
>5 ha	2.9	2.2	2.6
Total	100.0	100.0	100.0

Table A.16. Distribution of tenant households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	20.6	23.9	42.1
1-2 ha	24.8	24.3	27.9
2-3 ha	33.5	29.6	18.6
3-4 ha	5.0	11.4	2.6
4-5 ha	10.6	4.0	1.9
>5 ha	5.4	6.8	6.9
Total	100.0	100.0	100.0

Table A.17. Proportion of tenants among all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	2.1	2.0	14.1
1-2 ha	5.1	5.1	25.4
2-3 ha	13.2	15.8	34.6
3-4 ha	6.0	14.6	27.9
4-5 ha	16.4	4.4	32.8
>5 ha	6.4	8.5	32.3

Table A.18. Distribution of operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	15.1	16.4	24.3
1-2 ha	22.7	20.6	25.3
2-3 ha	19.7	13.4	20.1
3-4 ha	9.4	8.4	5.1
4-5 ha	9.3	12.3	4.0
>5 ha	23.9	28.9	21.2
Total	100.0	100.0	100.0

Table A.19. Distribution of leased-in area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	5.3	8.3	19.5
1-2 ha	15.6	19.3	24.2
2-3 ha	38.0	34.6	21.0
3-4 ha	6.4	16.3	5.5
4-5 ha	15.5	8.8	6.2
>5 ha	19.2	12.7	23.6
Total	100.0	100.0	100.0

Table A.20. Proportion of leased-in area in total operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	1.6	1.6	12.4
1-2 ha	3.0	2.9	14.8
2-3 ha	8.6	8.1	16.2
3-4 ha	3.0	6.1	16.7
4-5 ha	7.4	2.2	23.9
>5 ha	3.6	1.4	17.3

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	8.4	3.3	13.4
Q2	30.8	32.6	13.4
Q3	25.7	28.3	23.5
Q4	29.0	35.8	31.5
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	15.8	6.1	10.2
Q2	28.4	22.1	10.2
Q3	22.0	25.0	17.6
Q4	32.0	46.8	41.0
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	1.4	0.5	8.2
Q2	4.4	—	—
Q3	4.1	4.3	12.9
Q4	4.3	4.0	13.2
Q5	4.9	5.0	19.2
All households	3.4	2.8	12.2

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.036	0.009	0.059
Q2	0.018	—	—
Q3	0.037	0.023	0.141
Q4	0.050	0.035	0.093
Q5	0.072	0.065	0.238
All households	0.045	0.028	0.116

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	20.1	22.2	27.0
ST	12.3	9.3	9.4
Muslim	—	4.7	6.0
Others	—	63.7	57.6
Muslim+	67.5	68.5	63.6
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	14.2	13.2	26.1
ST	—	3.3	13.5
Muslim	—	4.3	3.5
Others	—	79.2	57.0
Muslim+	85.8	83.5	60.4
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	2.4	1.7	11.8
ST	—	1.0	17.5
Muslim	—	2.6	7.1
Others	—	3.5	12.1
Muslim+	4.3	3.4	11.6
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	9.8	10.7	20.5
ST	13.5	21.0	13.3
Muslim	—	1.1	1.6
Others	—	67.2	64.7
Muslim+	76.6	68.3	66.3
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	19.1	11.9	20.8
ST	—	0.7	10.7
Muslim	—	10.7	4.7
Others	—	76.7	63.9
Muslim+	80.9	87.4	68.6
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	8.6	3.5	15.7
ST	—	0.1	12.4
Muslim	—	30.8	45.4
Others	—	3.6	15.3
Muslim+	4.7	4.0	16.0
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	43.8	44.8	35.2	43.2	44.8	34.2
ST	16.9	46.4	24.6	16.9	46.4	24.2
Muslim	—	75.1	88.8	—	72.6	83.8
Others	—	36.1	44.0	—	36.0	39.1
Muslim+ Others	36.0	38.8	48.3	35.5	38.6	43.3

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	3	0.5	14.8	1.2	27.9
2002-03	5	0.2	6.8	0.4	12.5
2012-13	14	3.5	28.5	3.4	21.7

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0	0.0	0.0	0.0
Q2	0.0	0.0	0.0	0.0	0.0	0.0
Q3	0.0	6.7	31.4	0.0	0.1	12.0
Q4	26.7	27.2	15.6	17.2	11.8	10.5
Q5	73.3	66.1	53.0	82.8	88.1	77.5
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	1.5	0.1	2.9
ST	—	—	1.7
Muslim	—	3.3	5.7
Others	—	0.3	11.3
Muslim+ Others	1.5	0.7	10.3

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	1.62	1.80	0.41
ST	—	—	0.62
Muslim	—	2.50	1.50
Others	—	0.65	0.67
Muslim+ Others	2.84	1.85	0.75

Chhattisgarh

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	785	88	114	420,665	2001.2	4,196,624
2002-03	1098	115	95.2	236,343	1626.7	4,214,066
2012-13	656	55	52	276,088	700.1	2,426,622

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	284	626	361
1-2 ha	159	175	192
2-3 ha	130	120	73
3-4 ha	51	74	13
4-5 ha	42	50	8
>5 ha	119	53	9

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	21	52	23
1-2 ha	23	24	18
2-3 ha	20	16	8
3-4 ha	9	12	3
4-5 ha	4	6	1
>5 ha	11	5	2

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	102	255	132
Q1	29	1	0
Q2	104	190	51
Q3	115	171	71
Q4	145	176	152
Q5	290	305	250
All households	785	1098	656

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	13	21	16
Q1	9	0	0
Q2	19	28	8
Q3	15	26	9
Q4	18	20	13
Q5	14	20	9
All households	88	115	55

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	100	147	56
ST	312	402	323
Muslims	—	11	4
Others	—	538	273
Muslim+ Others	373	549	277

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	10	18	4
ST	33	20	20
Others	—	75	31
Muslims	—	2	—
Muslim+ Others	45	77	31

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.1	4.8 (-05)	0.0
Q2	5.1	3.3	5.7
Q3	12.3	11.5	11.5
Q4	22.8	22.7	23.2
Q5	59.7	62.5	59.7
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.3	0.0	0.0
Q2	5.9	4.2	5.9
Q3	13.4	11.9	11.4
Q4	23.1	22.9	23.9
Q5	57.3	61.1	58.8
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	14.8	19.9	24.1	0.0	0.0	0.0
0-1 ha	39.7	44.0	54.9	13.2	18.1	37.6
1-2 ha	23.1	18.4	15.8	23.5	23.6	36.3
2-3 ha	11.6	9.2	3.5	19.5	18.8	13.0
3-4 ha	3.7	3.5	1.1	9.1	10.8	6.0
4-5 ha	2.4	2.5	0.3	7.7	10.0	1.9
>5 ha	4.8	2.5	0.4	27.0	18.8	5.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	12.5	17.6	21.4	0.0	0.0	0.0
0-1 ha	36.4	44.3	56.3	11.1	17.8	36.5
1-2 ha	24.8	19.7	16.5	23.0	24.1	34.7
2-3 ha	13.8	9.4	3.7	21.2	18.5	12.9
3-4 ha	4.6	3.9	1.1	10.3	11.4	5.8
4-5 ha	2.5	2.7	0.4	7.2	10.2	2.7
>5 ha	5.4	2.5	0.8	27.1	18.0	7.5
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	13.8	14.1	8.9	10.9	10.0	8.8	10.5	9.9	7.7
ST	40.9	38.2	38.3	42.0	45.2	45.2	42.1	43.8	43.5
Muslim	—	1.3	3.6	—	0.3	1.7	—	0.3	1.6
Others	—	46.3	49.2	—	44.5	44.3	—	46.0	47.3
Muslim+ Others	45.3	47.7	52.8	47.2	44.8	46.0	47.5	46.3	48.9
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Table A.13. Tenant households as a proportion of all rural households, tenant households/cultivator households, leased-in area/ total operated area (per cent)

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	13.6	15.5	10.0
2002-03	10.1	12.2	5.6
2012-13	9.1	11.6	11.4

4 Types of contracts

Table A.14. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	13.3	4.7
Fixed produce	29.0	51.3
Produce share	37.3	19.6
Other	20.4	24.3
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Table A.15. Distribution of all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	12.5	17.6	21.4
0-1 ha	36.4	44.3	56.3
1-2 ha	24.8	19.7	16.5
2-3 ha	13.8	9.4	3.7
3-4 ha	4.6	3.9	1.1
4-5 ha	2.5	2.7	0.4
>5 ha	5.4	2.5	0.8
Total	100.0	100.0	100.0

Table A.16. Distribution of tenant households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	25.6	57.8	59.3
1-2 ha	37.8	23.1	22.1
2-3 ha	21.6	9.1	7.4
3-4 ha	8.0	4.5	4.5
4-5 ha	1.3	2.5	0.7
>5 ha	5.8	2.9	5.9
Total	100.0	100.0	100.0

Table A.17. Proportion of tenants among all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	9.5	13.2	9.6
1-2 ha	20.7	11.9	12.2
2-3 ha	21.2	9.9	18.3
3-4 ha	23.7	11.7	38.9
4-5 ha	6.9	9.5	17.1
>5 ha	14.6	11.8	70.5

Table A.18. Distribution of operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	11.1	17.8	36.5
1-2 ha	23.0	24.1	34.7
2-3 ha	21.2	18.5	12.9
3-4 ha	10.3	11.4	5.8
4-5 ha	7.2	10.2	2.7
>5 ha	27.1	18.0	7.5
Total	100.0	100.0	100.0

Table A.19. Distribution of leased-in area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	8.0	31.3	26.0
1-2 ha	23.5	20.5	24.8
2-3 ha	27.9	23.2	9.8
3-4 ha	16.7	8.1	19.5
4-5 ha	2.0	6.6	4.1
>5 ha	22.0	10.3	15.8
Total	100.0	100.0	100.0

Table A.20. Proportion of leased-in area in total operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	7.2	9.9	8.1
1-2 ha	10.2	4.8	8.2
2-3 ha	13.2	7.0	8.7
3-4 ha	16.3	4.0	38.1
4-5 ha	2.8	3.6	17.5
>5 ha	8.1	3.2	23.9

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	23.0	23.2	25.0
Q2	26.3	27.3	20.8
Q3	22.7	26.4	29.4
Q4	20.2	14.2	12.5
Q5	7.8	8.8	12.3
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	31.9	23.9	25.8
Q2	16.8	22.7	14.8
Q3	18.6	22.2	22.1
Q4	21.8	18.6	14.7
Q5	10.8	12.6	22.7
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	15.7	11.8	11.4
Q1	15.9	0.0	—
Q2	17.7	13.8	9.1
Q3	15.5	13.4	13.2
Q4	13.7	7.2	5.7
Q5	5.3	4.4	5.6
All households	13.6	10.1	9.1

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.228	0.078	0.095
Q1	0.299	—	—
Q2	0.127	0.074	0.045
Q3	0.143	0.072	0.080
Q4	0.166	0.061	0.054
Q5	0.082	0.041	0.083
All households	0.153	0.065	0.074

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	13.8	14.1	8.9
ST	40.9	38.2	38.3
Muslim	—	1.3	3.6
Others	—	46.3	49.2
Muslim+	45.3	47.7	52.8
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	14.7	16.8	6.8
ST	35.7	14.4	28.1
Muslim	—	2.5	—
Others	—	66.3	65.1
Muslim+	49.6	68.8	65.1
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	14.5	12.0	7.0
ST	11.9	3.8	6.7
Muslim	—	18.5	—
Others	—	14.5	12.0
Muslim+	14.9	14.6	11.2
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	10.5	9.9	7.7
ST	42.1	43.8	43.5
Muslim	—	0.3	1.6
Others	—	46.0	47.3
Muslim+	47.5	46.3	48.9
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	6.9	9.8	3.6
ST	43.0	10.4	33.7
Muslim	—	1.4	—
Others	—	78.5	62.7
Muslim+	50.1	79.9	62.7
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	6.6	5.5	5.3
ST	10.2	1.3	8.8
Muslim	—	23.4	—
Others	—	9.6	15.1
Muslim+	10.6	9.7	14.6
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	15.2	20.6	22.9	14.0	19.4	15.9
ST	10.8	12.7	12.8	6.6	12.6	11.8
Muslim	—	74.6	—	—	56.1	—
Others	—	24.0	34.8	—	20.0	31.3
Muslim+ Others	18.3	25.5	32.5	17.4	21.0	29.2

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	13	2.3	17.1	2.2	22.1
2002-03	21	2.3	23.2	1.3	23.9
2012-13	16	2.7	30.1	3.5	31.1

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	15.9	4.1	0.0	0.3	0.0	0.0
Q2	34.7	42.9	31.2	9.8	20.7	5.4
Q3	17.2	34.2	28.2	11.1	28.1	10.3
Q4	0.0	8.3	24.9	0.0	13.9	25.5
Q5	32.2	10.4	15.7	78.7	37.2	58.8
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	7.8	5.6	30.4
ST	39.2	1.1	7.6
Muslim	—	24.8	—
Others	—	16.9	10.2
Muslim+ Others	5.2	17.6	10.2

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.06	0.34	0.42
ST	1.79	0.20	2.94
Muslim	—	0.37	—
Others	—	0.74	0.53
Muslim+ Others	0.61	0.70	0.53

Orissa

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	1522	228	187	474,362	2180.9	4,621,896
2002-03	1938	298	175.3	455,408	1335.9	3,309,915
2012-13	1689	303	179.8	422,260	1068.9	2,317,312

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	810	1447	1309
1-2 ha	338	328	284
2-3 ha	184	103	61
3-4 ha	68	38	17
4-5 ha	47	7	11
>5 ha	75	15	7

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	85	204	200
1-2 ha	86	74	76
2-3 ha	35	17	14
3-4 ha	11	3	4
4-5 ha	5	0	6
>5 ha	6	0	3

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	337	614	380
Q2	95	157	113
Q3	227	296	245
Q4	290	306	197
Q5	573	565	754
All households	1522	1938	1689

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	36	116	64
Q2	22	13	30
Q3	55	62	69
Q4	64	61	40
Q5	51	46	100
All households	228	298	303

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	275	367	299
ST	420	497	503
Muslims	—	9	11
Others	—	1065	876
Muslim+ Others	826	1074	887

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	53	76	90
ST	47	48	56
Others	—	173	153
Muslims	—	1	4
Muslim+ Others	128	174	157

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.8	1.1	0.6
Q3	9.0	8.7	8.4
Q4	22.7	22.2	23.3
Q5	67.4	68.0	67.7
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	1.2	1.7	1.8
Q3	10.2	10.8	11.3
Q4	23.9	23.1	23.6
Q5	64.6	64.5	63.3
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	31.2	31.9	28.3	0.0	0.0	0.0
0-1 ha	44.7	55.3	66.8	25.0	44.2	65.8
1-2 ha	14.2	8.9	3.8	27.6	26.4	20.1
2-3 ha	5.6	2.1	0.6	18.5	11.0	5.9
3-4 ha	1.8	0.9	0.4	8.6	6.9	5.9
4-5 ha	1.1	0.2	0.1	7.0	2.2	1.2
>5 ha	1.3	0.6	0.0	13.4	9.3	1.1
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	28.8	25.6	23.1	0.0	0.0	0.0
0-1 ha	42.7	60.1	71.7	22.7	45.4	68.2
1-2 ha	17.5	10.3	3.8	30.5	28.1	17.8
2-3 ha	6.4	2.3	0.9	18.9	10.9	7.5
3-4 ha	2.1	0.9	0.3	8.9	6.4	3.4
4-5 ha	1.1	0.2	0.1	6.1	2.0	2.1
>5 ha	1.4	0.5	0.0	12.8	7.2	1.0
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	19.9	19.3	19.2	10.4	10.7	10.5	11.9	12.5	13.5
ST	28.9	27.9	26.8	39.2	30.8	29.9	37.4	29.5	28.3
Muslim	—	0.4	0.8	—	0.3	0.2	—	0.2	0.3
Others	—	52.4	53.1	—	58.3	59.3	—	57.8	57.9
Muslim+ Others	51.2	52.8	53.9	50.4	58.5	59.5	50.8	58.0	58.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	13.1	18.4	10.3
2002-03	14.8	19.9	13.8
2012-13	17.6	22.9	18.2

4 Types of contracts

Terms of lease	2002-03	2012-13
Fixed money	10.7	6.4
Fixed produce	10.0	22.5
Produce share	69.4	56.1
Other	9.8	15.0
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Size class	1991-92	2002-03	2012-13
Landless	28.8	25.6	23.1
0-1 ha	42.7	60.1	71.7
1-2 ha	17.5	10.3	3.8
2-3 ha	6.4	2.3	0.9
3-4 ha	2.1	0.9	0.3
4-5 ha	1.1	0.2	0.1
>5 ha	1.4	0.5	0.0
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	52.6	80.3	91.9
1-2 ha	34.1	16.4	5.8
2-3 ha	8.8	2.6	1.4
3-4 ha	2.8	0.7	0.3
4-5 ha	0.5	0.0	0.5
>5 ha	1.3	0.0	0.2
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	16.1	19.8	22.5
1-2 ha	25.5	23.6	27.4
2-3 ha	17.9	17.1	26.2
3-4 ha	17.4	10.8	15.3
4-5 ha	6.4	0.0	62.8
>5 ha	11.9	0.0	53.2

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	22.7	45.4	68.2
1-2 ha	30.5	28.1	17.8
2-3 ha	18.9	10.9	7.5
3-4 ha	8.9	6.4	3.4
4-5 ha	6.1	2.0	2.1
>5 ha	12.8	7.2	1.0
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	27.6	55.0	71.7
1-2 ha	45.2	31.2	13.3
2-3 ha	15.6	9.8	6.0
3-4 ha	7.3	4.0	1.0
4-5 ha	2.5	0.0	5.4
>5 ha	1.9	0.0	2.5
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	12.5	16.7	19.2
1-2 ha	15.2	15.3	13.7
2-3 ha	8.4	12.4	14.4
3-4 ha	8.4	8.6	5.6
4-5 ha	4.2	0.0	48.2
>5 ha	1.5	0.0	47.6

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	12.0	27.3	21.0
Q2	34.9	38.4	30.6
Q3	28.3	17.5	17.2
Q4	11.8	10.6	12.4
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	10.0	27.4	24.2
Q2	33.6	37.5	30.2
Q3	32.0	16.1	12.7
Q4	13.6	15.7	18.6
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	7.9	20.2	18.5
Q2	19.6	11.3	28.4
Q3	18.5	16.5	19.4
Q4	18.5	13.0	15.0
Q5	7.7	7.9	10.9
All households	13.1	14.8	17.6

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.041	0.094	0.065
Q2	0.101	0.028	0.067
Q3	0.115	0.073	0.055
Q4	0.130	0.055	0.034
Q5	0.056	0.054	0.050
All households	0.082	0.069	0.054

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	19.9	19.3	19.2
ST	28.9	27.9	26.8
Muslim	—	0.4	0.8
Others	—	52.4	53.1
Muslim+	51.2	52.8	53.9
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	26.1	26.3	32.2
ST	22.6	18.4	21.5
Muslim	—	0.4	0.7
Others	—	54.9	45.6
Muslim+	51.3	55.3	46.3
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	17.2	20.2	29.4
ST	10.2	9.8	14.1
Muslim	—	14.2	15.3
Others	—	15.5	15.1
Muslim+	13.2	15.5	15.1
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	11.9	12.5	13.5
ST	37.4	29.5	28.3
Muslim	—	0.2	0.3
Others	—	57.8	57.9
Muslim+	50.8	58.0	58.2
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	24.5	22.5	26.1
ST	21.1	18.0	15.8
Muslim	—	0.2	0.7
Others	—	59.4	57.4
Muslim+	54.4	59.5	58.1
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	21.2	24.8	35.2
ST	5.8	8.4	10.2
Muslim	—	9.9	38.1
Others	—	14.1	18.1
Muslim+	11.0	14.1	18.2
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	39.7	43.0	50.8	33.1	33.1	38.5
ST	21.8	23.4	17.8	20.5	19.6	14.1
Muslim	—	37.4	24.7	—	23.2	13.0
Others	—	32.3	25.5	—	26.1	22.2
Muslim+ Others	33.3	32.3	25.4	31.8	26.1	22.1

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	36	2.5	18.8	1.6	15.7
2002-03	116	6.5	43.5	6.0	43.8
2012-13	64	5.2	29.7	6.2	34.1

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0	0.0	0.0	0.0
Q2	34.7	18.2	11.6	5.5	2.9	1.0
Q3	22.0	29.7	44.3	17.3	15.6	24.9
Q4	36.2	33.7	29.0	54.0	34.3	30.4
Q5	7.1	18.5	15.1	23.3	47.2	43.8
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	16.7	23.1	24.7
ST	5.7	19.3	20.6
Muslim	—	38.0	47.3
Others	—	19.0	12.8
Muslim+ Others	4.6	19.2	13.3

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.48	0.31	0.21
ST	0.62	0.45	0.43
Muslim	—	0.20	0.20
Others	—	0.57	0.52
Muslim+ Others	0.54	0.57	0.50

10 Coastal Orissa

Coastal Orissa includes Baleshwar, Bhadrak, Kendrapara, Jagatsinghapur, Cuttack, Jajapur, Nayagarh, Khordha, and Puri districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	723	157	141	331,966	787.5	1,503,236
2002-03	910	216	130.7	330,389	583.4	1,169,105
2012-13	607	165	99.6	219,365	388.5	679,202

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.3	0.0	0.1
Q3	8.0	4.8	5.9
Q4	22.6	20.4	21.7
Q5	69.1	74.8	72.3
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.0	0.4	2.0
Q3	10.5	10.0	12.4
Q4	25.4	24.2	22.1
Q5	63.1	65.3	63.4
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	25.0	23.2	26.7	9.4	11.5	12.3	13.7	16.2	20.0
ST	12.0	5.1	5.6	10.6	5.1	1.9	10.4	5.6	3.4
Muslim	—	0.8	2.2	—	0.6	1.0	—	0.4	1.2
Others	—	70.9	65.5	—	82.8	84.8	—	77.7	75.4
Muslim+ Others	63.0	—	—	80.1	—	—	76.0	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	19.8	22.7	27.3
Tenants/Cultivators	27.8	31.7	35.7
Leased-in area/Operated area	22.1	28.3	32.3

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	4.3	4.5
Fixed produce	5.6	9.6
Produce share	84.1	80.3
Other	6.0	5.5
Total	100.0	100.0

11 Southern Orissa

Southern Orissa includes Ganjam, Gajapati, Kandhamal Phoolbani, Baudh, Sonapur, Balangir, Nuapada, Kalahandi, Rayagada, Nabarangapur, Koraput, and Malkangiri districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	256	14	10.3	37,006	468.8	1,120,336
2002-03	357	24	12.3	47,318	236.3	764,662
2012-13	610	65	47.1	117,856	403.6	1,007,170

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.7	1.6	0.1
Q3	10.2	11.4	8.7
Q4	22.3	22.3	22.9
Q5	65.8	64.7	68.3
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.9	3.0	1.1
Q3	10.9	12.3	9.7
Q4	22.2	22.3	24.4
Q5	65.1	62.5	64.9
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	20.3	17.5	14.9	12.7	15.9	8.7	13.2	14.5	9.2
ST	48.7	50.2	40.1	54.1	43.3	45.1	53.9	42.4	43.9
Muslim	—	0.1	—	—	0.3	—	—	0.3	—
Others	—	32.3	45.0	—	40.6	46.2	—	42.8	47.0
Muslim+ Others	31.0	—	—	33.2	—	—	32.9	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	6.2	8.4	9.5
Tenants/Cultivators	8.5	10.9	13.3
Leased-in area/Operated area	3.3	6.2	11.7

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	50.3	5.6
Fixed produce	12.1	40.4
Produce share	15.8	29.8
Other	21.9	24.3
Total	100.0	100.0

12 Northern Orissa

Northern Orissa includes Bargarh Jharsuguda, Sambalpur, Debagarh, Sundargarh, Kendujhar, Mayurbhanj, Dhenkanal, and Anugul districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	543	57	35.8	105,390	924.5	1,998,324
2002-03	671	58	32.4	77,701	516.2	1,376,148
2012-13	472	73	33.1	85,039	276.8	630,940

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.7	1.4	1.8
Q3	8.7	9.9	10.5
Q4	23.1	22.8	23.7
Q5	67.5	65.8	64.0
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.0	2.0	2.3
Q3	9.5	10.6	10.7
Q4	23.6	22.0	24.1
Q5	65.8	65.3	63.0
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	14.3	15.6	15.6	9.8	7.4	11.8	9.8	8.2	13.4
ST	37.2	43.4	36.1	48.5	41.1	30.7	48.4	42.6	30.2
Muslim	—	0.2	0.1	—	—	—	—	0.1	—
Others	—	40.9	48.2	—	51.5	57.4	—	49.2	56.3
Muslim+ Others	48.5	—	—	41.7	—	—	41.8	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	9.5	8.7	15.9
Tenants/Cultivators	13.4	11.4	18.8
Leased-in area/Operated area	5.3	5.6	13.5

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	12.1	12.1
Fixed produce	26.3	27.0
Produce share	43.8	37.1
Other	17.8	23.8
Total	100.0	100.0

Jharkhand

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	728	16	8.1	39,377	987.5	2,579,469
2002-03	1417	58	23.2	46,621	967.8	2,027,298
2012-13	786	47	16.8	26,594	591.6	1,272,774

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	425	1058	562
1-2 ha	154	260	155
2-3 ha	68	60	47
3-4 ha	33	17	10
4-5 ha	15	11	7
>5 ha	33	11	5

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	7	39	29
1-2 ha	6	14	14
2-3 ha	2	5	3
3-4 ha	1	0	0
4-5 ha	0	0	0
>5 ha	0	0	1

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	87	283	106
Q1	19	55	5
Q2	115	183	111
Q3	119	234	63
Q4	147	258	108
Q5	241	404	393
All households	728	1417	786

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	1	11	6
Q1	3	0	0
Q2	3	12	9
Q3	2	14	7
Q4	4	12	8
Q5	3	9	17
All households	16	58	47

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	80	184	75
ST	240	451	350
Muslims	—	153	66
Others	—	629	295
Muslim+ Others	408	782	361

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	1	5	6
ST	6	18	21
Others	—	30	18
Muslims	—	5	2
Muslim+ Others	9	35	20

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	3.2	2.8	4.7
Q3	11.1	10.6	11.4
Q4	21.9	21.0	20.9
Q5	63.9	65.6	63.0
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.1
Q2	3.3	3.0	5.0
Q3	10.9	11.1	11.9
Q4	22.2	20.9	20.5
Q5	63.6	65.0	62.5
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	16.9	18.6	17.9	0.0	0.0	0.0
0-1 ha	56.2	65.5	75.0	26.8	41.5	60.9
1-2 ha	16.9	11.1	5.0	27.7	27.5	18.6
2-3 ha	5.5	2.8	1.2	15.5	13.2	8.8
3-4 ha	1.6	0.8	0.2	6.5	4.8	1.6
4-5 ha	1.1	0.7	0.3	5.6	5.5	3.7
>5 ha	1.8	0.6	0.4	18.0	7.6	6.5
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	16.7	17.7	17.7	0.0	0.0	0.0
0-1 ha	55.6	65.9	75.4	26.1	41.3	61.9
1-2 ha	17.3	11.4	5.0	28.2	27.7	18.9
2-3 ha	5.6	3.0	1.1	15.4	13.5	8.2
3-4 ha	1.8	0.8	0.2	7.2	4.7	1.6
4-5 ha	1.1	0.7	0.3	5.5	5.4	4.0
>5 ha	1.8	0.6	0.3	17.7	7.4	5.5
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	13.5	12.0	8.8	4.5	4.6	6.7	4.5	4.6	6.9
ST	35.1	36.4	41.1	49.8	49.6	60.8	49.7	49.2	60.8
Muslim	—	10.4	9.0	—	7.6	4.7	—	7.6	5.0
Others	—	41.3	41.1	—	38.1	27.8	—	38.6	27.3
Muslim+ Others	51.4	51.7	50.0	45.7	45.7	32.5	45.8	46.2	32.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	2.4	2.8	1.5
2002-03	4.4	5.4	2.3
2012-13	5.3	6.5	2.1

4 Types of contracts

Terms of lease	2002-03	2012-13
Fixed money	2.1	12.8
Fixed produce	8.3	19.2
Produce share	72.2	41.2
Other	17.4	26.8
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Size class	1991-92	2002-03	2012-13
Landless	16.7	17.7	17.7
0-1 ha	55.6	65.9	75.4
1-2 ha	17.3	11.4	5.0
2-3 ha	5.6	3.0	1.1
3-4 ha	1.8	0.8	0.2
4-5 ha	1.1	0.7	0.3
>5 ha	1.8	0.6	0.3
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	32.3	82.8	90.3
1-2 ha	46.7	12.8	8.1
2-3 ha	13.2	4.4	0.5
3-4 ha	7.8	0.0	0.0
4-5 ha	0.0	0.0	0.0
>5 ha	0.0	0.0	1.1
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	1.4	5.5	6.4
1-2 ha	6.4	5.0	8.7
2-3 ha	5.5	6.6	2.3
3-4 ha	10.2	0.0	0.0
4-5 ha	0.0	0.0	0.0
>5 ha	0.0	0.0	18.4

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	26.1	41.3	61.9
1-2 ha	28.2	27.7	18.9
2-3 ha	15.4	13.5	8.2
3-4 ha	7.2	4.7	1.6
4-5 ha	5.5	5.4	4.0
>5 ha	17.7	7.4	5.5
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	17.2	54.5	63.0
1-2 ha	49.1	31.8	29.6
2-3 ha	22.1	13.7	5.0
3-4 ha	11.5	0.0	0.0
4-5 ha	0.0	0.0	0.0
>5 ha	0.0	0.0	2.3
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	1.0	3.0	2.1
1-2 ha	2.7	2.6	3.3
2-3 ha	2.2	2.3	1.3
3-4 ha	2.5	0.0	0.0
4-5 ha	0.0	0.0	0.0
>5 ha	0.0	0.0	0.9

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	16.6	20.7	9.4
Q2	11.2	23.7	47.0
Q3	21.3	28.0	16.5
Q4	26.9	18.6	16.4
Q5	24.0	8.9	10.7
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	12.0	24.5	10.1
Q2	18.3	23.3	27.3
Q3	11.6	21.9	14.0
Q4	25.4	16.6	14.0
Q5	32.7	13.8	34.6
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	0.8	4.9	2.8
Q1	8.3	0.0	0.0
Q2	1.3	5.3	12.3
Q3	2.5	6.2	4.6
Q4	3.2	4.1	4.3
Q5	2.8	2.0	2.8
All households	2.4	4.4	5.3

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.004	0.017	0.004
Q1	0.031	—	—
Q2	0.012	0.015	0.009
Q3	0.008	0.014	0.005
Q4	0.017	0.010	0.005
Q5	0.021	0.009	0.012
All households	0.013	0.013	0.007

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	13.5	12.0	8.8
ST	35.1	36.4	41.1
Muslim	—	10.4	9.0
Others	—	41.3	41.1
Muslim+	51.4	51.7	50.0
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	5.6	4.5	2.0
ST	48.1	28.5	37.0
Muslim	—	12.6	8.7
Others	—	54.4	52.3
Muslim+	46.3	67.0	61.0
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	1.0	1.7	1.2
ST	3.2	3.5	4.8
Muslim	—	5.4	5.2
Others	—	5.8	6.8
Muslim+	2.1	5.7	6.5
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	4.5	4.6	6.9
ST	49.7	49.2	60.8
Muslim	—	7.6	5.0
Others	—	38.6	27.3
Muslim+	45.8	46.2	32.3
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	4.6	2.6	2.7
ST	42.5	31.3	46.1
Muslim	—	4.2	10.4
Others	—	62.0	40.9
Muslim+	52.9	66.2	51.2
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	1.5	1.3	0.8
ST	1.3	1.5	1.6
Muslim	—	1.3	4.3
Others	—	3.7	3.1
Muslim+	1.8	3.3	3.3
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	41.9	23.7	10.0	40.9	23.7	9.7
ST	8.0	15.6	6.7	8.0	14.9	6.6
Muslim	—	16.7	14.6	—	16.7	14.6
Others	—	20.4	31.5	—	18.7	31.2
Muslim+ Others	16.4	19.7	28.5	16.4	18.3	28.2

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	1	0.1	5.6	0.1	4.6
2002-03	11	0.9	20.7	0.6	24.5
2012-13	6	0.5	9.4	0.2	10.1

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	1.4	0.0	0.0	0.0	0.0
Q2	0.0	45.2	0.0	0.0	4.9	0.0
Q3	100.0	18.3	85.4	100.0	16.8	74.7
Q4	0.0	27.9	14.6	0.0	51.8	25.3
Q5	0.0	7.2	0.0	0.0	26.5	0.0
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	2.4	0.1	2.6
ST	—	4.0	12.4
Muslim	—	—	—
Others	—	8.1	1.0
Muslim+ Others	—	6.8	0.9

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.45	0.02	0.14
ST	—	0.59	0.15
Muslim	—	—	—
Others	—	0.26	0.12
Muslim+ Others	—	0.26	0.12

Bihar

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	2473	166	101.4	270,066	3079.2	4,936,902
2002-03	3980	551	285.6	565,007	2195.8	4,716,670
2012-13	2100	371	269	863,481	1845.7	3,837,478

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	1551	3209	1344
1-2 ha	430	569	459
2-3 ha	208	112	199
3-4 ha	94	43	48
4-5 ha	83	19	23
>5 ha	107	28	27

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	95	417	204
1-2 ha	44	109	117
2-3 ha	21	22	35
3-4 ha	3	1	8
4-5 ha	2	1	0
>5 ha	1	1	7

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	434	1217	739
Q2	189	303	0
Q3	349	696	170
Q4	488	677	246
Q5	1013	1087	945
All households	2473	3980	2100

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	33	162	108
Q2	37	47	0
Q3	30	152	70
Q4	27	131	69
Q5	39	59	124
All households	166	551	371

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	397	849	347
ST	28	40	26
Muslims	—	459	284
Others	—	2632	1443
Muslim+ Others	2046	3091	1727

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	37	141	75
ST	1	3	5
Others	—	345	256
Muslims	—	62	35
Muslim+ Others	128	407	291

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.3	0.1	0.0
Q3	5.4	3.3	1.3
Q4	18.1	17.3	13.4
Q5	76.1	79.3	85.3
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	0.7	0.2	0.0
Q3	6.3	5.3	3.1
Q4	18.9	19.8	17.3
Q5	74.0	74.6	79.7
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	28.3	32.4	49.3	0.0	0.0	0.0
0-1 ha	56.1	58.3	45.6	30.4	42.8	53.9
1-2 ha	9.1	6.2	3.4	24.0	23.6	21.0
2-3 ha	3.3	1.6	1.2	14.9	10.2	12.5
3-4 ha	1.3	0.8	0.2	8.5	7.2	3.5
4-5 ha	0.9	0.4	0.1	7.4	4.2	2.4
>5 ha	1.1	0.5	0.2	14.8	12.1	6.7
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	26.6	28.6	42.8	0.0	0.0	0.0
0-1 ha	56.4	60.7	50.1	30.5	44.1	53.1
1-2 ha	10.0	7.4	5.2	24.9	25.1	24.3
2-3 ha	3.6	1.7	1.3	15.2	10.2	11.4
3-4 ha	1.4	0.7	0.3	8.2	6.4	3.6
4-5 ha	0.9	0.4	0.1	7.2	3.8	1.9
>5 ha	1.1	0.5	0.2	14.0	10.4	5.7
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	23.7	23.1	16.4	4.6	4.8	4.2	5.2	6.8	6.7
ST	1.4	1.0	3.7	1.4	0.9	0.4	1.4	0.9	0.6
Muslim	—	11.4	16.3	—	6.6	13.6	—	6.8	14.8
Others	—	64.6	63.6	—	87.6	81.8	—	85.5	77.9
Muslim+ Others	74.9	75.9	79.9	94.1	94.2	95.4	93.4	92.3	92.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Table A.13. Tenant households as a proportion of all rural households, tenant households/cultivator households, leased-in area/ total operated area (per cent)

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	6.9	9.4	5.5
2002-03	12.3	17.2	12.0
2012-13	17.1	29.9	22.5

4 Types of contracts

Table A.14. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	13.2	27.9
Fixed produce	18.7	31.5
Produce share	64.6	34.0
Other	3.6	6.6
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Table A.15. Distribution of all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	26.6	28.6	42.8
0-1 ha	56.4	60.7	50.1
1-2 ha	10.0	7.4	5.2
2-3 ha	3.6	1.7	1.3
3-4 ha	1.4	0.7	0.3
4-5 ha	0.9	0.4	0.1
>5 ha	1.1	0.5	0.2
Total	100.0	100.0	100.0

Table A.16. Distribution of tenant households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	75.3	86.4	86.8
1-2 ha	18.8	10.8	11.3
2-3 ha	5.0	2.6	1.2
3-4 ha	0.5	0.0	0.6
4-5 ha	0.2	0.0	0.0
>5 ha	0.2	0.1	0.2
Total	100.0	100.0	100.0

Table A.17. Proportion of tenants among all rural households (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	9.2	17.5	29.7
1-2 ha	13.0	18.0	37.2
2-3 ha	9.7	18.9	15.5
3-4 ha	2.6	0.3	34.5
4-5 ha	1.5	0.7	0.0
>5 ha	1.1	3.4	13.1

Table A.18. Distribution of operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	30.5	44.1	53.1
1-2 ha	24.9	25.1	24.3
2-3 ha	15.2	10.2	11.4
3-4 ha	8.2	6.4	3.6
4-5 ha	7.2	3.8	1.9
>5 ha	14.0	10.4	5.7
Total	100.0	100.0	100.0

Table A.19. Distribution of leased-in area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	47.5	63.0	59.2
1-2 ha	35.5	24.8	28.6
2-3 ha	14.9	11.7	7.2
3-4 ha	0.9	0.0	3.1
4-5 ha	1.1	0.1	0.0
>5 ha	0.2	0.4	1.9
Total	100.0	100.0	100.0

Table A.20. Proportion of leased-in area in total operated area (per cent)

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	8.5	17.1	25.1
1-2 ha	7.8	11.8	26.5
2-3 ha	5.4	13.7	14.2
3-4 ha	0.6	0.1	19.3
4-5 ha	0.8	0.2	0.0
>5 ha	0.1	0.5	7.5

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	16.6	19.0	15.4
Q2	27.3	43.7	15.4
Q3	13.9	22.5	27.6
Q4	13.8	6.9	22.5
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	16.9	17.7	12.3
Q2	31.5	38.4	12.3
Q3	15.9	29.2	24.2
Q4	15.4	7.8	31.3
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	5.7	11.7	13.1
Q2	16.8	12.7	—
Q3	7.1	19.6	31.0
Q4	4.8	13.8	17.5
Q5	4.7	4.2	19.2
All households	6.9	12.3	17.1

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.026	0.043	0.038
Q2	0.054	0.044	—
Q3	0.038	0.066	0.116
Q4	0.024	0.071	0.057
Q5	0.024	0.019	0.096
All households	0.031	0.048	0.061

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	23.7	23.1	16.4
ST	1.4	1.0	3.7
Muslim	—	11.4	16.3
Others	—	64.6	63.6
Muslim+	74.9	75.9	79.9
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	23.8	23.6	21.7
ST	1.0	0.3	2.9
Muslim	—	10.7	20.3
Others	—	65.4	55.1
Muslim+	75.2	76.1	75.4
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	6.9	12.5	22.7
ST	4.8	4.0	13.4
Muslim	—	11.6	21.2
Others	—	12.4	14.8
Muslim+	7.0	12.3	16.1
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	5.2	6.8	6.7
ST	1.4	0.9	0.6
Muslim	—	6.8	14.8
Others	—	85.5	77.9
Muslim+	93.4	92.3	92.7
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	16.1	20.9	15.0
ST	3.0	0.4	1.3
Muslim	—	8.4	19.1
Others	—	70.4	64.6
Muslim+	80.9	78.8	83.7
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	17.0	36.8	50.6
ST	11.3	4.8	47.7
Muslim	—	14.8	28.9
Others	—	9.9	18.7
Muslim+	4.7	10.2	20.3
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	54.3	52.3	71.3	52.5	46.4	62.2
ST	33.7	18.8	68.4	33.7	18.8	68.4
Muslim	—	39.7	47.0	—	34.9	35.3
Others	—	24.2	43.1	—	21.2	38.2
Muslim+ Others	19.8	26.5	43.9	18.2	23.3	37.6

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	33	1.6	23.4	1.3	23.9
2002-03	162	3.8	30.8	3.4	28.6
2012-13	108	6.5	37.8	6.8	30.3

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0	0.0	0.0	0.0
Q2	5.5	8.8	0.0	0.8	0.2	0.0
Q3	44.3	31.5	40.7	19.6	11.3	9.4
Q4	38.6	44.4	41.5	38.8	45.8	30.8
Q5	11.6	15.2	17.8	40.7	42.8	59.8
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	3.3	11.3	12.7
ST	—	—	—
Muslim	—	11.9	25.0
Others	—	12.0	11.2
Muslim+ Others	8.0	12.0	14.2

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.31	0.36	0.21
ST	—	—	—
Muslim	—	0.37	0.13
Others	—	0.37	0.43
Muslim+ Others	0.50	0.37	0.31

10 Northern Bihar

Northern Bihar includes West Champaran, East Champaran, Sheohar, Sitamarhi, Madhubani, Supaul, Araria, Kishanganj, Purnia, Katihar, Madhepura, Saharsa, Darbhanga, Muzaffarpur, Gopalganj, Siwan, Saran (Chhapra), Vaishali, Samastipur, Begusarai, and Khagaria districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	1514	132	78.1	225,904	1697.8	2,789,969
2002-03	2390	279	119.8	262,428	1343.5	2,689,249
2012-13	1301	205	136.3	471,650	1189.7	2,411,240

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.5	0.1	0.0
Q3	5.8	4.0	0.6
Q4	17.8	17.4	11.4
Q5	75.8	78.5	87.9
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.1	0.3	0.0
Q3	7.1	5.8	2.3
Q4	19.0	19.6	14.1
Q5	72.8	74.3	83.5
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	21.1	21.2	13.2	3.9	5.0	3.4	4.9	6.9	4.7
ST	1.8	1.1	5.1	2.0	1.2	0.2	2.1	1.2	0.5
Muslim	—	14.0	20.3	—	8.4	16.3	—	8.4	18.3
Others	—	63.7	61.4	—	85.4	80.2	—	83.5	76.5
Muslim+ Others	77.0	—	—	94.2	—	—	93.0	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	9.2	11.1	15.3
Tenants/Cultivators	12.1	15.3	27.2
Leased-in area/Operated area	8.1	9.8	19.6

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	4.0	21.4
Fixed produce	22.5	47.2
Produce share	71.0	28.3
Other	2.4	3.2
Total	100.0	100.0

11 Central Bihar

Central Bihar includes Bhagalpur, Banka, Munger, Lakhisarai, Sheikhpura, Nalanda, Patna, Bhojpur, Buxar, Kaimur (Bhabua), Rohtas, Aurangabad, Gaya, Nawada, Jamui, Arwal, and Jehanabad districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	959	34	23.4	44,162	1381.3	2,146,933
2002-03	1590	272	165.8	302,578	852.3	2,027,420
2012-13	799	166	132.7	391,830	656	1,426,237

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.1	0.0	0.0
Q3	4.9	2.4	2.6
Q4	18.4	17.3	16.7
Q5	76.5	80.3	80.7
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.2	0.1	0.0
Q3	5.3	4.8	4.2
Q4	18.9	20.1	22.3
Q5	75.6	75.0	73.5
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	28.2	26.1	23.8	5.4	4.7	5.6	5.6	6.7	10.0
ST	0.7	0.7	0.5	0.6	0.5	0.8	0.6	0.5	0.7
Muslim	—	7.4	7.0	—	4.1	8.7	—	4.7	9.0
Others	—	65.8	68.7	—	90.7	84.8	—	88.1	80.2
Muslim+ Others	71.1	—	—	94.0	—	—	93.8	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	2.9	14.1	21.4
Tenants/Cultivators	4.2	20.3	35.9
Leased-in area/Operated area	2.1	14.9	27.5

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	20.9	35.1
Fixed produce	15.4	13.9
Produce share	59.1	40.5
Other	4.5	10.4
Total	100.0	100.0

West Bengal

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	1974	284	158.1	511,643	1763.3	4,673,893
2002-03	4012	464	199.2	388,058	1841.4	3,682,552
2012-13	2589	428	148.7	379,344	1298.3	2,266,764

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	1297	3418	2055
1-2 ha	425	451	408
2-3 ha	143	78	82
3-4 ha	70	36	23
4-5 ha	20	10	15
>5 ha	19	19	6

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	158	359	322
1-2 ha	88	78	82
2-3 ha	25	12	14
3-4 ha	8	5	6
4-5 ha	3	1	3
>5 ha	2	9	1

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	416	1342	936
Q2	161	211	0
Q3	271	663	330
Q4	345	639	313
Q5	781	1157	1010
All households	1974	4012	2589

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	55	134	108
Q2	22	15	0
Q3	54	88	87
Q4	73	101	63
Q5	80	126	170
All households	284	464	428

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	556	1190	728
ST	167	282	295
Muslims	—	1073	665
Others	—	1466	901
Muslim+ Others	1249	2539	1566

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	98	171	149
ST	31	31	40
Others	—	149	141
Muslims	—	113	98
Muslim+ Others	155	262	239

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	1.4	0.5	0.0
Q3	7.9	4.6	3.9
Q4	21.1	18.7	17.9
Q5	69.6	76.1	78.2
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	1.9	1.0	0.4
Q3	8.9	5.8	7.2
Q4	22.7	20.0	20.4
Q5	66.5	73.2	72.0
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	27.2	35.5	43.4	0.0	0.0	0.0
0-1 ha	59.0	58.0	54.4	41.3	55.8	74.4
1-2 ha	9.6	4.9	1.8	29.8	24.0	17.8
2-3 ha	2.6	0.9	0.3	14.5	8.0	5.0
3-4 ha	1.2	0.3	0.1	9.0	3.2	1.6
4-5 ha	0.3	0.2	0.0	2.6	3.1	0.6
>5 ha	0.2	0.2	0.0	2.8	6.0	0.6
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	23.9	32.0	37.1	0.0	0.0	0.0
0-1 ha	60.0	61.2	60.6	40.1	57.0	77.1
1-2 ha	11.4	5.3	1.9	31.8	23.9	16.0
2-3 ha	2.8	0.9	0.2	13.8	7.4	3.5
3-4 ha	1.3	0.3	0.1	9.0	3.8	1.6
4-5 ha	0.3	0.1	0.0	2.6	2.0	1.2
>5 ha	0.2	0.1	0.0	2.7	6.0	0.6
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	29.8	29.2	31.4	24.9	23.2	19.6	26.6	25.3	23.6
ST	7.9	7.1	7.6	8.0	7.3	7.2	8.2	7.5	7.2
Muslim	—	27.7	27.9	—	21.3	21.9	—	21.2	20.4
Others	—	36.1	33.1	—	48.2	51.2	—	46.0	48.8
Muslim+ Others	62.3	63.8	61.0	67.1	69.5	73.2	65.1	67.3	69.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	14.0	18.4	10.9
2002-03	11.0	16.2	10.5
2012-13	17.5	27.7	16.7

4 Types of contracts

Terms of lease	2002-03	2012-13
Fixed money	21.8	30.2
Fixed produce	28.1	13.8
Produce share	31.5	40.8
Other	18.6	15.2
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Size class	1991-92	2002-03	2012-13
Landless	23.9	32.0	37.1
0-1 ha	60.0	61.2	60.6
1-2 ha	11.4	5.3	1.9
2-3 ha	2.8	0.9	0.2
3-4 ha	1.3	0.3	0.1
4-5 ha	0.3	0.1	0.0
>5 ha	0.2	0.1	0.0
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	75.3	91.2	98.2
1-2 ha	19.5	7.1	1.4
2-3 ha	3.4	0.7	0.1
3-4 ha	1.4	0.4	0.1
4-5 ha	0.3	0.1	0.1
>5 ha	0.1	0.5	0.0
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	17.6	16.5	28.3
1-2 ha	23.9	14.7	12.9
2-3 ha	16.6	8.3	7.9
3-4 ha	15.5	14.1	27.0
4-5 ha	14.7	5.1	54.2
>5 ha	7.4	39.9	9.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	40.1	57.0	77.1
1-2 ha	31.8	23.9	16.0
2-3 ha	13.8	7.4	3.5
3-4 ha	9.0	3.8	1.6
4-5 ha	2.6	2.0	1.2
>5 ha	2.7	6.0	0.6
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	50.5	65.8	90.7
1-2 ha	35.7	17.7	5.7
2-3 ha	9.8	3.1	0.7
3-4 ha	2.7	2.8	0.8
4-5 ha	0.6	0.9	1.3
>5 ha	0.7	9.6	0.7
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	13.8	12.2	19.7
1-2 ha	12.3	7.8	6.0
2-3 ha	7.8	4.5	3.3
3-4 ha	3.3	7.9	8.3
4-5 ha	2.6	4.8	19.2
>5 ha	2.8	16.9	20.7

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	17.1	18.2	16.8
Q2	30.0	36.4	16.8
Q3	26.5	26.0	16.5
Q4	15.5	15.3	18.5
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	17.8	18.0	14.8
Q2	29.3	29.7	14.8
Q3	26.9	22.6	19.5
Q4	16.6	27.6	19.9
Q5	—	—	—
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	12.0	10.0	14.7
Q2	11.9	10.1	—
Q3	16.7	12.3	33.6
Q4	18.6	14.4	11.8
Q5	10.9	8.5	16.1
All households	14.0	11.0	17.5

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.048	0.029	0.020
Q2	0.040	0.015	—
Q3	0.062	0.025	0.051
Q4	0.073	0.036	0.023
Q5	0.045	0.044	0.027
All households	0.054	0.032	0.027

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	29.8	29.2	31.4
ST	7.9	7.1	7.6
Muslim	—	27.7	27.9
Others	—	36.1	33.1
Muslim+	62.3	63.8	61.0
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	35.9	34.6	34.3
ST	10.2	8.5	5.9
Muslim	—	21.8	28.3
Others	—	35.0	31.4
Muslim+	53.9	56.9	59.8
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	16.9	13.1	19.0
ST	18.1	13.3	13.7
Muslim	—	8.7	17.7
Others	—	10.7	16.6
Muslim+	12.2	9.9	17.1
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	26.6	25.3	23.6
ST	8.2	7.5	7.2
Muslim	—	21.2	20.4
Others	—	46.0	48.8
Muslim+	65.1	67.3	69.2
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	40.6	39.3	43.0
ST	10.2	7.5	6.7
Muslim	—	22.4	16.5
Others	—	30.8	33.8
Muslim+	49.2	53.2	50.3
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	16.7	16.4	30.5
ST	13.6	10.6	15.5
Muslim	—	11.1	13.6
Others	—	7.1	11.6
Muslim+	8.3	8.3	12.2
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	31.2	38.7	51.9	25.7	33.7	43.1
ST	22.9	25.3	44.3	21.4	22.2	35.2
Muslim	—	43.2	52.6	—	40.0	44.6
Others	—	29.1	27.2	—	26.3	25.4
Muslim+ Others	25.7	35.2	38.8	23.3	32.3	34.2

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	55	3.3	23.3	2.7	24.2
2002-03	136	3.6	33.0	3.4	32.0
2012-13	109	6.4	36.5	5.4	32.2

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0	0.0	0.0	0.0
Q2	20.9	7.7	7.0	4.1	2.6	0.9
Q3	38.6	35.4	44.7	17.5	14.3	11.7
Q4	29.4	41.5	27.3	35.1	37.3	27.9
Q5	11.1	15.4	21.0	43.4	45.8	59.4
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	17.7	12.9	17.1
ST	6.5	12.1	20.5
Muslim	—	7.4	15.2
Others	—	10.3	7.3
Muslim+ Others	9.4	8.8	12.2

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	0.50	0.33	0.17
ST	0.38	0.23	0.18
Muslim	—	0.31	0.07
Others	—	0.19	0.17
Muslim+ Others	0.29	0.24	0.09

10 Himalayan region of West Bengal

Himalayan region of West Bengal includes Darjeeling, Jalpaiguri, and Koch Bihar districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	224	9	5	20,937	220.5	559,914
2002-03	424	8	1.7	5319	173	369,199
2012-13	288	19	5.6	7620	134.2	200,245

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.2	0.0	0.0
Q2	2.7	0.4	0.0
Q3	11.1	3.9	0.2
Q4	21.9	20.7	10.1
Q5	64.0	75.1	89.8
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.3	0.0	0.0
Q2	3.2	0.4	0.0
Q3	11.0	3.9	0.2
Q4	22.1	20.4	12.8
Q5	63.4	75.3	87.0
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	39.5	51.9	52.6	47.8	58.5	40.8	47.2	58.7	40.0
ST	18.2	13.1	21.4	17.7	7.0	26.9	17.7	6.9	27.0
Muslim	—	20.5	19.8	—	22.3	24.9	—	22.2	25.8
Others	—	14.5	6.2	—	12.2	7.4	—	12.1	7.1
Muslim+ Others	42.3	—	—	34.6	—	—	35.1	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	3.7	1.8	2.6
Tenants/Cultivators	4.0	2.6	5.4
Leased-in area/Operated area	3.7	1.4	3.8

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

11 Eastern plains of West Bengal

Eastern Plains region of West Bengal includes Uttar Dinajpur, Dakshin Dinajpur, Maldah, Murshidabad, Birbhum, and Nadia districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	543	97	68.3	240,008	528.5	1,512,192
2002-03	1199	145	68.2	130,975	558	1,150,905
2012-13	815	138	49.3	84,154	445.9	601,562

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.2	0.0	0.0
Q3	6.8	2.2	0.4
Q4	21.3	18.0	13.8
Q5	71.7	79.7	85.8
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	1.0	0.0	0.0
Q3	8.3	4.0	2.2
Q4	23.4	20.0	16.5
Q5	67.3	76.0	81.3
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	28.2	29.3	21.9	24.7	24.9	21.6	28.5	27.3	24.3
ST	6.5	2.7	3.8	10.2	2.9	3.0	9.4	3.5	2.4
Muslim	—	40.4	48.2	—	35.1	40.7	—	35.6	41.0
Others	—	27.6	26.1	—	37.2	34.7	—	33.5	32.3
Muslim+ Others	65.4	—	—	65.1	—	—	62.1	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	17.0	10.9	11.7
Tenants/Cultivators	23.4	17.4	21.1
Leased-in area/Operated area	15.9	11.4	14.0

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	18.9	23.7
Fixed produce	29.8	19.5
Produce share	36.8	46.5
Other	14.5	10.3
Total	100.0	100.0

12 Central plains of West Bengal

Central Plains region of West Bengal includes Bardhaman, North 24-Parganas, Hugli, Howrah, Kolkata, and South 24-Parganas districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	751	125	57.3	169,082	559.8	1,186,968
2002-03	1432	236	109.9	189,094	658.5	1,146,648
2012-13	830	155	48.6	187,075	379.8	900,328

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.1	0.0	0.0
Q3	3.7	2.4	1.4
Q4	18.2	15.2	17.3
Q5	78.0	82.5	81.3
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	0.2	0.0	0.0
Q3	5.9	4.0	4.5
Q4	21.3	17.4	22.1
Q5	72.6	78.6	73.4
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	27.8	28.4	38.3	23.3	18.8	20.2	23.3	22.8	28.0
ST	6.9	5.3	3.5	3.5	3.9	2.3	5.3	4.4	2.9
Muslim	—	30.7	26.2	—	23.0	21.3	—	21.8	17.8
Others	—	35.6	32.0	—	54.2	56.2	—	51.0	51.2
Muslim+ Others	65.3	—	—	73.2	—	—	71.4	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	16.5	14.1	21.5
Tenants/Cultivators	24.5	22.3	34.6
Leased-in area/Operated area	14.2	16.5	20.8

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	25.7	35.0
Fixed produce	22.7	15.3
Produce share	32.1	37.0
Other	19.5	12.7
Total	100.0	100.0

13 Western plains of West Bengal

Western Plains region of West Bengal includes Bankura, Puruliya, Paschim Midnapur, and Purba Midnapur districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	456	53	27.5	81,617	454.5	1,414,818
2002-03	957	75	19.4	62,670	451.9	1,015,799
2012-13	656	116	45.2	100,496	338.4	564,629

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.0
Q2	2.7	2.4	1.9
Q3	10.5	9.1	10.7
Q4	22.9	22.2	23.3
Q5	63.8	66.3	64.1
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.1	0.0	0.1
Q2	3.5	3.4	5.3
Q3	11.1	10.4	13.9
Q4	23.3	22.4	22.9
Q5	61.9	63.8	57.8
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	30.7	18.4	19.6	17.2	12.6	7.8	19.3	13.6	10.0
ST	6.9	13.2	15.1	5.3	15.9	11.8	5.7	15.6	12.0
Muslim	—	7.7	3.9	—	3.8	0.5	—	4.0	0.7
Others	—	60.7	61.4	—	67.7	79.9	—	66.9	77.3
Muslim+ Others	62.5	—	—	77.5	—	—	75.1	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	11.0	10.9	25.6
Tenants/Cultivators	12.7	13.1	30.4
Leased-in area/Operated area	5.8	6.2	17.8

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	15.7	27.7
Fixed produce	40.1	4.3
Produce share	22.9	44.8
Other	21.3	23.2
Total	100.0	100.0

Assam

1 Statistical summary of the sample

Table A.1. Number of rural households, number of tenant households, leased-in area (ha) and operated area (ha), sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	1456	169	136.6	246,248	1603.6	2,514,547
2002-03	2200	188	96.2	123,293	1611.8	2,498,242
2012-13	1703	108	76.2	135,147	1961.6	2,961,234

Table A.2. Number of rural households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	893	1577	878
1-2 ha	323	461	441
2-3 ha	127	103	310
3-4 ha	59	33	47
4-5 ha	23	10	16
>5 ha	31	16	11

Table A.3. Number of tenant households in the sample, size classes of operated area

Size class	1991-92	2002-03	2012-13
0-1 ha	66	105	55
1-2 ha	65	61	26
2-3 ha	22	15	25
3-4 ha	8	3	2
4-5 ha	3	3	0
>5 ha	5	1	0

Table A.4. Number of rural households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	248	435	285
Q1	3	0	0
Q2	224	385	124
Q3	232	382	176
Q4	272	398	240
Q5	477	600	878
All households	1456	2200	1703

Table A.5. Number of tenant households in the sample, quintiles of ownership holding

Quintiles	1991-92	2002-03	2012-13
Landless	37	55	26
Q1	0	0	0
Q2	29	18	19
Q3	35	41	19
Q4	28	39	17
Q5	40	35	27
All households	169	188	108

Table A.6. Number of rural households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	116	188	153
ST	200	279	397
Muslims	—	688	440
Others	—	1045	713
Muslim+ Others	1139	1733	1153

Table A.7. Number of tenant households in the sample, by social group

Social group	1991-92	2002-03	2012-13
SC	11	14	10
ST	24	18	23
Others	—	108	50
Muslims	—	48	25
Muslim+ Others	134	156	75

2 Distribution of ownership and operational holdings

Table A.8. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.0	0.0	0.0
Q2	3.8	2.1	3.1
Q3	12.6	10.1	13.4
Q4	23.8	23.1	24.9
Q5	59.9	64.6	58.6
Total	100.0	100.0	100.0

Table A.9. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	0.2	0.0	0.0
Q2	4.5	2.4	4.0
Q3	12.9	10.6	14.0
Q4	23.2	23.4	24.5
Q5	59.2	63.6	57.4
Total	100.0	100.0	100.0

Table A.10. Distribution of rural households and owned land across size-classes of ownership holding

Size classes	Distribution of rural households			Distribution of owned land		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	19.9	21.4	25.6	0.0	0.0	0.0
0-1 ha	58.3	60.2	57.0	37.5	37.9	45.2
1-2 ha	14.9	13.2	13.2	30.6	31.4	33.5
2-3 ha	4.3	3.4	3.2	15.7	14.1	14.0
3-4 ha	1.4	1.0	0.5	7.3	5.9	3.3
4-5 ha	0.6	0.1	0.2	3.7	1.1	1.8
>5 ha	0.5	0.7	0.2	5.2	9.6	2.2
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.11. Distribution of rural households and operated area across size-classes of operational holding

Size classes	Distribution of rural households			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Landless	16.9	18.9	22.3	0.0	0.0	0.0
0-1 ha	58.4	61.0	59.8	34.3	36.3	45.7
1-2 ha	16.9	14.5	13.6	31.1	32.8	33.4
2-3 ha	4.8	3.7	3.5	16.1	14.6	14.8
3-4 ha	1.6	1.0	0.4	7.5	5.8	2.8
4-5 ha	0.6	0.2	0.1	3.6	1.2	1.1
>5 ha	0.7	0.7	0.2	7.3	9.3	2.1
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.12. Distribution of households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	9.2	8.2	8.5	6.9	6.3	5.8	6.6	6.5	5.9
ST	11.2	10.0	15.5	15.3	14.4	21.8	14.5	14.2	22.4
Muslim	—	30.7	32.6	—	31.1	28.7	—	31.4	28.7
Others	—	51.1	43.4	—	48.2	43.7	—	48.0	42.9
Muslim+ Others	79.6	81.8	76.1	77.7	79.3	72.5	78.8	79.4	71.6
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

3 Overall statistics on tenancy

Year	Tenants/ All rural households	Tenants/ Cultivator households	Leased-in area/ Operated area
1991-92	10.2	12.3	9.8
2002-03	7.3	8.9	4.9
2012-13	6.4	8.2	4.6

4 Types of contracts

Terms of lease	2002-03	2012-13
Fixed money	13.0	17.6
Fixed produce	4.5	10.2
Produce share	46.7	58.7
Other	35.8	13.6
Total	100.0	100.0

5 Tenancy across size classes of operational holdings

Size class	1991-92	2002-03	2012-13
Landless	16.9	18.9	22.3
0-1 ha	58.4	61.0	59.8
1-2 ha	16.9	14.5	13.6
2-3 ha	4.8	3.7	3.5
3-4 ha	1.6	1.0	0.4
4-5 ha	0.6	0.2	0.1
>5 ha	0.7	0.7	0.2
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	54.7	66.3	85.2
1-2 ha	32.2	26.2	11.8
2-3 ha	7.9	6.0	3.0
3-4 ha	2.4	0.6	0.0
4-5 ha	0.8	0.3	0.0
>5 ha	2.1	0.5	0.0
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	9.5	7.9	9.1
1-2 ha	19.4	13.1	5.5
2-3 ha	16.5	11.7	5.4
3-4 ha	15.1	4.6	0.6
4-5 ha	13.0	14.9	0.0
>5 ha	30.5	5.1	0.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	34.3	36.3	45.7
1-2 ha	31.1	32.8	33.4
2-3 ha	16.1	14.6	14.8
3-4 ha	7.5	5.8	2.8
4-5 ha	3.6	1.2	1.1
>5 ha	7.3	9.3	2.1
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	26.1	33.8	63.3
1-2 ha	29.2	49.1	27.9
2-3 ha	13.8	9.4	8.6
3-4 ha	4.6	2.7	0.2
4-5 ha	1.5	2.1	0.0
>5 ha	24.8	2.9	0.0
Total	100.0	100.0	100.0

Size class	1991-92	2002-03	2012-13
Landless	0.0	0.0	0.0
0-1 ha	7.5	4.6	6.3
1-2 ha	9.2	7.4	3.8
2-3 ha	8.4	3.2	2.6
3-4 ha	6.0	2.3	0.3
4-5 ha	4.0	8.5	0.0
>5 ha	33.0	1.6	0.0

6 Tenancy across quintiles of ownership holding

Table A.21. Distribution of tenant households (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	29.8	32.0	40.6
Q2	18.3	12.9	28.4
Q3	20.2	25.2	20.4
Q4	16.5	17.3	7.2
Q5	15.1	12.6	3.3
Total	100.0	100.0	100.0

Table A.22. Distribution of area leased-in (per cent)

Quintiles	1991-92	2002-03	2012-13
Q1	30.7	31.7	31.1
Q2	16.5	5.9	25.9
Q3	21.6	24.7	29.1
Q4	11.6	18.8	7.4
Q5	19.5	18.9	6.6
Total	100.0	100.0	100.0

Table A.23. Proportion of tenants among all rural households (per cent)

Quintiles	1991-92	2002-03	2012-13
Landless	15.2	11.6	12.9
Q1	0.0	—	—
Q2	9.4	4.2	7.6
Q3	10.3	9.2	6.5
Q4	8.4	6.2	2.3
Q5	7.7	4.6	1.1
All households	10.2	7.3	6.4

Table A.24. Average area of land leased-in by tenant households (hectares)

Quintiles	1991-92	2002-03	2012-13
Landless	0.111	0.047	0.040
Q1	—	—	—
Q2	0.060	0.006	0.031
Q3	0.078	0.037	0.037
Q4	0.042	0.028	0.010
Q5	0.070	0.028	0.008
All households	0.072	0.030	0.026

7 Tenancy across social groups

Table A.25. Distribution of all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	9.2	8.2	8.5
ST	11.2	10.0	15.5
Muslim	—	30.7	32.6
Others	—	51.1	43.4
Muslim+	79.6	81.8	76.1
Others			
Total	100.0	100.0	100.0

Table A.26. Distribution of tenant households (per cent)

Social group	1991-92	2002-03	2012-13
SC	3.0	8.3	7.3
ST	9.6	8.1	20.4
Muslim	—	32.2	34.1
Others	—	51.4	38.2
Muslim+	87.4	83.6	72.3
Others			
Total	100.0	100.0	100.0

Table A.27. Proportion of tenants among all rural households (per cent)

Social group	1991-92	2002-03	2012-13
SC	3.3	7.3	5.5
ST	8.8	5.9	8.4
Muslim	—	7.6	6.6
Others	—	7.3	5.6
Muslim+	11.2	7.4	6.0
Others			

Table A.28. Distribution of total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	6.6	6.5	5.9
ST	14.5	14.2	22.4
Muslim	—	31.4	28.7
Others	—	48.0	42.9
Muslim+	78.8	79.4	71.6
Others			
Total	100.0	100.0	100.0

Table A.29. Distribution of leased-in area (per cent)

Social group	1991-92	2002-03	2012-13
SC	3.8	9.0	10.1
ST	7.2	12.5	34.3
Muslim	—	37.3	28.8
Others	—	41.2	26.8
Muslim+	89.0	78.5	55.6
Others			
Total	100.0	100.0	100.0

Table A.30. Proportion of leased-in land in total operated area (per cent)

Social group	1991-92	2002-03	2012-13
SC	5.6	6.9	7.8
ST	4.8	4.4	7.0
Muslim	—	5.9	4.6
Others	—	4.2	2.8
Muslim+	11.1	4.9	3.5
Others			

8 Landlessness across social groups

Table A.31. Proportion of households with no ownership holding and no operational holding across social groups

Social group	Proportion of households with no ownership holding			Proportion of households with no operational holding		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	22.9	23.4	32.1	22.9	20.2	28.9
ST	7.1	16.0	16.2	5.2	14.4	13.7
Muslim	—	18.4	27.1	—	17.0	24.3
Others	—	24.0	26.5	—	20.8	22.5
Muslim+ Others	21.4	21.9	26.7	17.9	19.4	23.3

9 Tenants among households with no ownership holding (landless tenants)

Table A.32. Number of landless tenants in sample, landless tenants/all households, landless tenants/all tenants, leased-in area by landless tenants as proportion of total operated area and total leased-in area, 1991-92, 2002-03 and 2012-13

Year	Landless tenants in sample	Landless tenants/ All households	Landless tenants/ All tenants	Leased-in land by landless tenants/ Operated area	Leased-in area by landless tenants/Total leased-in area
1991-92	37	3.0	29.8	3.0	30.7
2002-03	55	2.5	34.3	1.7	33.9
2012-13	26	3.3	51.9	1.8	39.7

Table A.33. Distribution of landless tenants and area leased-in across quintiles of operated area, 1991-92, 2002-03 and 2012-13

Quintiles	Distribution of landless households			Distribution of area leased-in by landless households		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
Q1	2.6	0.8	0.0	0.5	0.0	0.0
Q2	47.5	50.8	63.0	10.7	4.0	21.9
Q3	34.3	16.8	6.1	18.6	11.5	4.7
Q4	8.8	14.1	18.5	9.2	23.0	34.0
Q5	6.8	17.6	12.3	61.0	61.5	39.4
Total	100.0	100.0	100.0	100.0	100.0	100.0

Table A.34. Proportion of tenants among households with no ownership holding, by social groups (per cent)

Social group	1991-92	2002-03	2012-13
SC	—	13.5	9.8
ST	26.1	10.0	15.3
Muslim	—	7.4	10.5
Others	—	13.5	15.0
Muslim+ Others	16.6	11.5	13.0

Table A.35. Average leased-in area by tenants with no ownership holdings, by social groups (hectares)

Social group	1991-92	2002-03	2012-13
SC	—	0.32	0.66
ST	0.38	1.02	0.78
Muslim	—	0.84	0.33
Others	—	0.26	0.14
Muslim+ Others	0.75	0.37	0.21

10 Eastern plains of Assam

Eastern Plains region of Assam includes Lakhimpur, Dhemaji, Tinsukia, Dibrugarh, Sibsagar, Jorhat, Golaghat, Nagaon, and Sonitpur districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	568	56	48.8	101,441	523	949,581
2002-03	904	55	33.8	34,073	653.6	988,719
2012-13	455	27	21	36,099	561.6	766,213

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	3.4 (-05)
Q2	2.8	2.3	2.8
Q3	12.1	10.4	11.3
Q4	24.5	22.1	25.2
Q5	60.7	65.2	60.7
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.0	0.0	0.1
Q2	4.4	2.6	3.3
Q3	12.2	10.8	12.6
Q4	22.8	22.5	25.3
Q5	60.6	64.1	58.8
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	8.5	9.0	9.3	5.8	7.0	6.0	5.2	7.3	7.2
ST	4.9	7.4	11.1	8.1	15.2	22.1	7.3	14.9	22.1
Muslim	—	17.0	5.7	—	11.8	5.9	—	11.8	5.7
Others	—	66.6	73.9	—	66.0	66.0	—	66.1	65.1
Muslim+ Others	86.6	—	—	86.1	—	—	87.5	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	9.0	4.9	4.4
Tenants/Cultivators	11.2	6.0	5.3
Leased-in area/Operated area	10.7	3.4	4.7

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002-03	2012-13
Fixed money	26.9	2.5
Fixed produce	5.0	17.7
Produce share	46.1	47.1
Other	22.0	32.7
Total	100.0	100.0

11 Western plains of Assam

Western Plains region of Assam includes Kokrajhar, Dhubri, Goalpara, Barpeta, Bongaigaon, Chirang, Kamrup, Kamrup Metropolitan (Guwahati), Nalbari, Baksa, Marigaon, Darrang and Udalguri districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991–92	824	100	76.7	139,612	1005	1,463,595
2002–03	1200	129	60.1	87,443	895.8	1,417,145
2012–13	592	44	37.5	50,031	626.5	662,267

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991–92	2001–02	2012–13
Q1	0.2	0.0	0.0
Q2	4.0	1.3	2.1
Q3	12.4	9.3	12.7
Q4	23.1	23.4	25.0
Q5	60.3	66.0	60.3
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991–92	2001–02	2012–13
Q1	0.2	0.0	0.0
Q2	4.3	1.6	3.1
Q3	13.2	9.8	13.2
Q4	23.6	24.0	27.9
Q5	58.7	64.6	55.8
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991–92	2002–03	2012–13	1991–92	2002–03	2012–13	1991–92	2002–03	2012–13
SC	10.1	8.2	5.8	8.2	6.2	5.0	8.0	6.3	4.4
ST	11.0	6.8	17.5	13.9	8.1	20.2	13.4	8.0	22.5
Muslim	—	40.8	49.3	—	46.9	44.6	—	47.2	45.0
Others	—	44.3	27.4	—	38.8	30.2	—	38.4	28.1
Muslim+ Others	78.9	—	—	78.0	—	—	78.6	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991–92	2002–03	2012–13
Tenants/Rural households	11.2	8.9	6.4
Tenants/Cultivators	13.2	11.1	8.3
Leased-in area/Operated area	9.5	6.2	7.6

Table B.6. Distribution of total leased-in area across different types of contracts (per cent)

Terms of lease	2002–03	2012–13
Fixed money	6.7	17.5
Fixed produce	4.4	1.4
Produce share	48.0	74.5
Other	41.0	6.5
Total	100.0	100.0

12 Hill region of Assam

Hills region of Assam includes Cachar, Karbi Anglong, North Cachar Hills (Dima Hasao) Hailakandi, and Karimganj districts.

Statistical summary of the sample

Table B.1. Number of rural households, tenant households, leased-in area and operated area, sample and population estimates

Year	Sample households	Tenant households in sample	Leased-in area in sample	Estd. leased-in area	Operated area in sample	Estd. operated area
1991-92	64	13	11.1	5196	75.6	101,370
2002-03	96	4	2.4	1777	62.4	92,378
2012-13	656	37	17.7	49,018	773.4	1,532,754

Distribution of ownership and operational holdings

Table B.2. Distribution of owned land across quintiles of ownership holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	0.1	0.3	0.0
Q2	5.4	11.4	2.2
Q3	16.8	18.9	16.0
Q4	20.3	27.2	24.0
Q5	57.5	42.2	57.9
Total	100.0	100.0	100.0

Table B.3. Distribution of operated area across quintiles of operational holdings (per cent)

Quintiles	1991-92	2001-02	2012-13
Q1	1.3	0.5	0.0
Q2	8.5	11.1	3.4
Q3	12.4	21.2	15.0
Q4	19.2	24.9	23.8
Q5	58.5	42.4	57.8
Total	100.0	100.0	100.0

Table B.4. Distribution of rural households, owned land and operated area across social groups

Social group	Distribution of rural households			Distribution of owned land			Distribution of operated area		
	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13	1991-92	2002-03	2012-13
SC	2.4	—	9.5	—	—	6.0	—	—	6.0
ST	93.5	100.0	16.9	99.5	100.0	22.3	99.5	100.0	22.6
Muslim	—	—	38.5	—	—	33.2	—	—	33.2
Others	—	—	35.0	—	—	38.5	—	—	38.2
Muslim+ Others	4.2	—	—	0.5	—	—	0.5	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Tenancy

Table B.5. Tenant households as a proportion of all rural and cultivator households, and leased-in area as a proportion of total operated area (per cent)

Proportion	1991-92	2002-03	2012-13
Tenants/Rural households	8.6	2.1	7.4
Tenants/Cultivators	9.7	2.5	10.0
Leased-in area/Operated area	5.1	1.9	3.2

Distribution of leased-in area across various terms of lease cannot be estimated because there were very few tenants in the samples for this region.

Over the last three decades, the Indian state has become increasingly hostile to the prospect of using land reforms as a tool for bringing about progressive agrarian change. Under a neoliberal regime, the focus of state policy has shifted to undoing even the legislative framework of land reforms. In absence of thorough agrarian reforms, the Indian countryside has seen an uneven and distorted penetration of capitalist relations. Over this period, there have been significant changes in the extent of use of tenancy, in the class configuration of tenants and lessors, and in the form of tenancy contracts.

In this context, *Agricultural Tenancy in Contemporary India* attempts to answer the following questions using detailed data from three rounds of NSSO Surveys of Land and Livestock Holdings.

- How widespread is agricultural tenancy in contemporary India?
- Has tenancy become less or more prevalent over time?
- How widespread is tenancy in different States and regions of India?
- Who leases land and from whom?
- How have tenancy contracts changed over the years?

The report presents a careful assessment of the NSSO Surveys of Land and Livestock Holdings. It provides a comprehensive analysis of trends and regional variations in incidence of agricultural tenancy over the last two decades. The data were examined carefully to identify the class and caste position of tenants in different parts of India, and throw light on the changes in the relative importance of different types of tenancy contracts. The volume also includes a detailed compendium of statistical tables on land and tenancy relations in twenty most populous States of India.

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Key words

land, tenancy, land distribution, land market, agrarian relations, India

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