81 no. 1532

AGRICULTURAL CENSUS
1990 - 91

PRELIMINARY REPORT

DEPARTMENT OF ECONOMICS AND STATISTICS
GOVERNMENT OF KERALA
THIRUVANANTHAPURAM

APRIL - 1993

PREFACE

Ministry of Agriculture (Department of Agricultural and Co-operation) Government of India is conducting Agricultural Census on an All India basis once in five years since 1970-71. Kerala State also participated in all the five censuses.

Due to administrative and technical reasons the field work of Fifth Agricultural Census relating to the year 1990-91 could be started in Kerala State only in June 1992. The field work of the census was conducted by the investigators of the department under the immediate supervision of the taluk level and district level officers.

This preliminary report is brought out on the basis of details collected in the schedule designed for listing of households in the sample wards/divisions selected.

I am much thankful to the officers of Agricultural Census Divison, Ministry of Agriculture and Rural Development, Government of India for their valuable suggestions and advice in the conduct of the census.

This report was prepared by Smt.S.Indira, Joint Director and Sri.P.Surendran Pillai, Assistant Director under the guidence of Sri.K.P.Madhava Kurup, Additional Director. I place my sincere thanks to the field staff and other officers of this department for their wholehearted co-operation in the survey. I also express my deep appreciation of the earnest efforts taken by the personnel of the Computer Division of the Directorate headed by Sri. C.C.Cheriyan Kunju Deputy Director for the timely preparation of the report.

I hope that this report will be useful to the planners and administrators especially in streamlining schemes beneficial to marginal and small farmers.

Dr.M.Kuttappan,
Director.

Thirvuananthapuram,
13..04..1993.

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AGRICULTURAL CENSUS 1990-91

Preliminary report

1. Introduction

The first comprehensive Agricultural Census was conducted in India with Agricultural year 1970-71 as reference period by the Department of Agriculture and Co-operation in collaboration with State and Union territories. This was organised as part of the World Agricultural Census Programme sponsored by the Food and Agricultural Organisation of the United Nations. Encouraged by the utility of data generated, it was decided to conduct Agricultural Census quinquennially. Accordingly the second third and forth Agricultural Censuses were conducted with reference years 1975-76, 1980-81 and 1985-86 respectively.

The present census, fifth in the series, has 1990-91 as its reference period. Due to certain technical and administrative problems, there was delay in undertaking the census in Kerala state. The listing work of the present survey was carried out during the period June 1992 to December 1992.

2. Coverage and Sample Design of the Census

The agriculture census 1990-91 is comprised of two phases, Main census and Input survey. Under the main census, information is collected in respect of (i) number and area of operational holding, (ii) tenure and tenancy status, (iii) land utilization, (iv) irrigation status, (v) area under crops. Under the input survey, information was collected in respect of (i) multiple cropping (ii) application of chemical fertilizers, manures and pesticides, (iii) livestock,

(iv) agriculture machinery and (v) rural credit. All information relating to main census was collected separately for the social groups viz scheduled castes and scheduled tribes and others.

The Current Agricultural Census, as in the past is conducted on a Census-cum-sample basis. Complete enumeration method by retabulating the land records available at village level is adopted in most of the States and Union Territories where comprehensive land records are maintained. In the states like Kerala where comprehensive land records are not available, the data are collected through houshold enguiry method by adopting a stratified two stage sampling method.

Like the last census, for the present census also development block was considered as the stratum in rural area and municipality/city corporation in urban area. From each block 20% of panchayat wards and from each municipality/corporation 20% of wards/divisions were selected using systamatic random sampling method. Altogether details were collected from 2302 sample wards-1998 from blocks and 304 from muncipalities and corporations-as against 2166 (2041 + 125) wards during the Fourth Agricultural Census 1985-96.

The main object of agricultural census is to collect size class wise information in respect of operational holding as distinct from ownership holding. An operational holding is defined as all land which is used wholly or partly for agricultural production and is operated as one technical unit by one person alone or with others without regard to title, legal form, size or location. The technical unit has been defined as that unit which is under the same management and has the same means of production such as labour force, machinery and animals. This implied that the holding might be either fully owned or fully rented or partly owned or partly rented or cultivated under any other arrangement. The land of the holding might be located in one single compact block or spread over the scattered fragments. The entire area might be in a single territorial jurisdiction or might be spread over to more than one such jurisdiction. The common factor was that it was under single management having its own set of facilities and resources.

The holder or the operator as far as the agricultural census is concerned is the person who was responsible for the management of the holding. He had to take decisions on all major agriculture operations. It was the extent of responsibility of decision taking that accounts. He might do the work of one or more operations himself and may direct and supervise the work done by others under his instructions. The operator might thus be an owner, a member of owner's household, tenant, share cropper, etc. The operational holder might be individual, joint or institutional. If the holding was operated either by one person alone or by a group of persons who are the members of the same household, it was considered as an individual holding. If two or more persons belonging to two different households shared jointly the economic and technical responsibility for the operation, it was treated as joint operational holding. Holdings such as government farms, sugarcane factories, co-operative farms, land managed by trust etc. were treated as institutional holdings. Operated area included both cultivated and uncultivated area provided part of it is put to agricultural production during the reference period. It covered the land occupied by buildings that are within the cultivated area. Operated area would exclude government forest land, government waste land etc.

During the 1st three censuses, the data in respect of main census was collected utilising the services of the personnel of the Revenue Department under the technical guidance of this department. During the forth as well as present census, the data on main census were collected utilising the services of investigators of this department, in addition to their normal duties, under the close supervision of taluk and district level officers.

This preliminary report gives details regarding the number and area of operational holdings in respect of all the eleven size classes ranging from less than 0.05 hectare to 20 hectares and above for individual, joint and institutional holdings with break down for scheduled castes scheduled tribes and others.

3. Results of the survey

The total number of operational holdings in the state have increased from 48.97 lakhs in 1985-86 to 54.19 lakhs in 1990-91 recording an increase of 10.67%. The area comprised in those holdings during the respective years were 17.73 lakh hectares and 18.02 lakh hectares respectively. The average size of the holding has decreased from 0.36 hectare to 0.33 hectare during the above period.

The number of individual holdings have increased in all the districts. The area of individual holdings has declined in Kollam, Alappuzha, Kottayam, Ernakulam, Trissure, Palakkad, Malappuram, Wynad and Kannur. The number of individual holdings belonging to Scheduled Caste has increased from 4.86 lakhs to 5.21 lakhs and Scheduled Tribe from 0.49 lakhs to 0.66 lakhs. Area of the holding of the Scheduled Tribe increased from 0.29 lakh hectares to 0.34 lakh hectares, where as the area of the holding of Scheduled Caste remained stagnant.

The details regarding joint holdings ie. holdings operated by two or more persons belonging to different households and share jointly as partners the economic and technical responsibility for the operation of the holding were also collected. During the current census, it is estimated that 3827 holdings are operated jointly in contrast to 7421 hodings during 1985-86. The area operated is 4103 hectares as against 11476 hectares in 1985-86.

The number of institutional holdings has been estimated as 53040 and these holdings accounted for an area of 1.48 lakh hectares as compared to 45553 numbers having 1.07 lakh hectares in 1985-86.

The district wise number and area of total operational holdings (including institutional) in the state is given below.

DISTRICT WISE NUMBER & AREA OF TOTAL OPERATIONAL HOLDINGS

1990 - 91

Sl. No.	District	Number	% to Total	Area(ha.)	% to Total	Average Size Of Holdings
01.	Trivandrum	628868	11.60	106773	5.93	0.16
02.	Kollam	482211	8.90	79645	5.43	0.20
03.	Pathanamthitta	249967	4.61	89791	4.98	0.33
04.	Alappuzha	403973	7.45	83974	4.66	0.20
05.	Kottayam	348017	6.42	146533	8.13	0.41
06.	Idukki	244830	4.52	204127	11.33	0.57
07.	Ernakulam	516296	9.53	126072	7.00	0.23
08.	Trissur	513861	9.48	124216	6.89	0.24
09.	Palakkad	434439	8.02	186730	10.36	0.42
10.	Malapuram	461029	8.51	140266	7.78	0.30
11.	Kozhikkode	462603	8.54	135415	6.96	0.26
12.	Wayanad	131736	2.43	100952	5.60	0.68
13.	Kannur	369760	6.82	166621	9.25	0.45
14.	Kasargode	171599	3.17	102708	5.70	0.52
	State Total	5419189	100	1801823	100	0.31

Provisional number and area of operational holdings in the state under different size classes for scheduled castes, scheduled tribes and others and total are given in appendix. Number and area of operational holdings for scheduled caste, scheduled tribe and others and total in different districts are also given in appendix. Eleven size classes have been adopted for classifying the holdings according to the size. Detailed district-wise tables in respect of the estimated number and area of operational holdings have been prepared separately for scheduled caste/scheduled tribe and others. But for discussion and comparison of results, these eleven size classes have been regrouped into five size classes viz. (1) below 1 hectare (marginal) (2) 1 to 2 hectares (small) (3) 2 to 4 hectares (semi-medium) (4) 4 to 10 hectares (medium) (5) 10 hectares and above (large). For the purpose of comparison the particulars of the number of holdings and area in respect of the operational holdings (including institutional holdings) in Kerala are given below :-

Size class	1985-86		1990-91	
	Number (lakhs)	Area (lakh hect.)	Number (lakhs)	Area (lakh hect.)
1. Marginal	44.82 (91.53)	08.16 (46.02)	50.16 (92.56)	08.80 (48.83)
2. Small	02.82 (05.76)	03.82 (21.55)	02.81 (05.19)	03.81 (21.14)
3. Semi-medium	01.04 (02.12)	02.72 (15.34)	00.98 (01.80)	02.54 (14.10)
4. Medium	00.25 (00.51)	01.31 (07.39)	00.21 (00.39)	01.13 (06.27)
5. Large	00.04 (00.08)	01.72 (09.70)	00.03 (00.05)	01.74 (09.66)
Total	48.97 (100.00)	17.73 (100.00)	54.19 (100.00)	18.02 (100.00)

Figures in brackets are percentages.

The number of holdings (including institutional) below 1 hectare was 44.82 lakhs during 1985-86 where as it increased to 50.16 lakhs in 1990-91. The percentage of marginal holders having less than one hectare has increased from 91.5 to 92.6 and they operate 49% of the total area. More or less the same trend is noted for schedule castes and tribes in the state. Percentage of large holdings having 10 hectares and above in size was 0.08 in 1985-86 and 0.05 in 1990-91. The holders belonging to this group operated an area of 9.66% of the total area.

Considering the increasing demand for data at block level, the number and area of individual holdings in 7 size classes viz. 0.02 hectare, 0.02-0.5 hectare, 0.5 hectare to 1 hectare, 1-2 hectares, 2-4 hectares, 4-10 hectares and above 10 hectares have been prepared for each block, municipalty and corporation. The above tables have been given in appendix.

Certain other interesting findings observed may also be noted.

On the basis of the Agricultural Census it is estimated that there are about 56.5 lakh households in the state. Of these about 3.3 lakh households were having no land of their own. This accounts for about 5.8% of the total households.

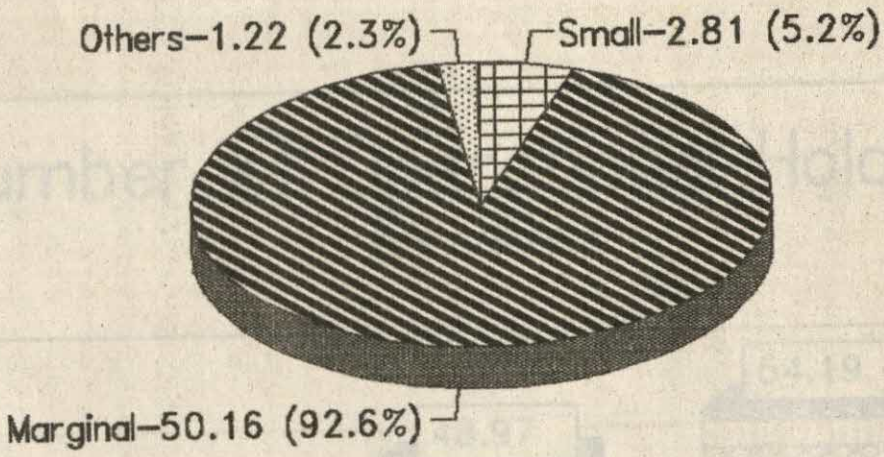
About 12.2 lakhs operational holders have reported agriculture as their main occupation.

About 1 lakh operational holders have reported as having no land of their own.

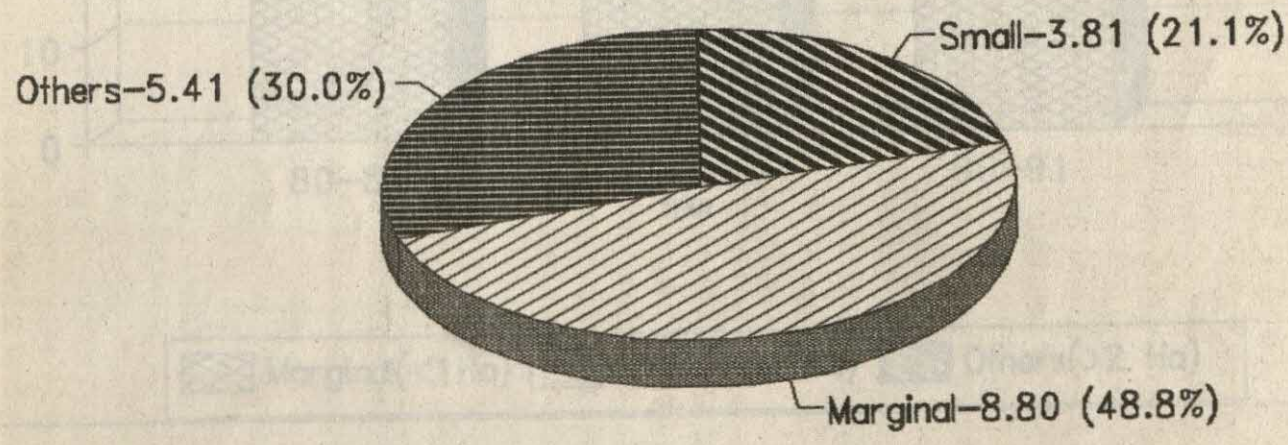
About 15% of the holdings are situated outside the ward of the operational holder.

NUMBER OF OPERATIONAL HOLDINGS & AREA
1990-91

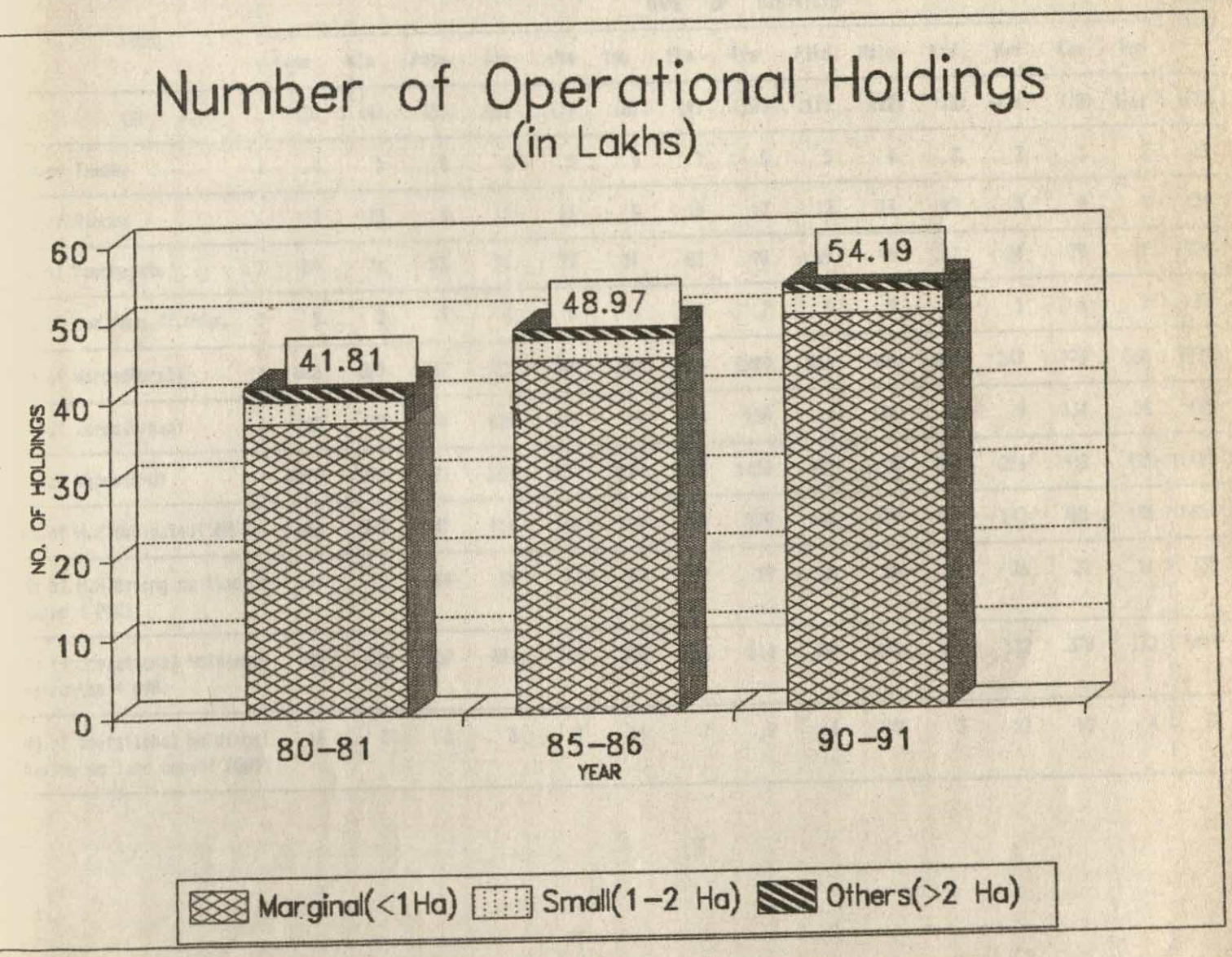
NUMBER OF HOLDINGS IN LAKHS



AREA IN LAKH HECTARES



Marginal(<1 Ha) Small(1-2 Ha) Others(>2 Ha)


Number of Operational Holdings
(in Lakhs)
60
50
40
30
20
10
0
NO. OF HOLDINGS
41.81
48.97
54.19
80-81
85-86
90-91
YEAR
Marginal(<1Ha)
Small(1-2 Ha)
Others(>2 Ha)

3.1 Summary Statement

Sl.No.	ITEM	NAME OF DISTRICTS														State Total
		Tvpm	Klm	Ptta	Alp	Ktm	Idu	Ekm	Trs	Plkd	Malp	Kzd	Wyd	Kan	Kgd	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	No.of Taluks	4	5	5	6	5	4	7	5	5	4	3	3	3	2	61
2	No.of Blocks	12	13	9	12	11	8	15	17	12	14	12	3	9	4	151
3	No.of Panchayats	84	71	53	71	72	51	83	98	89	95	77	24	79	37	984
4	No.of Cor./Mun./T.ship.	5	3	4	5	5	1	12	7	5	5	2	1	6	2	63
5	No.of Wards(Rural)	886	805	497	712	724	480	816	1008	866	986	804	247	778	365	9974
6	No.of Wards(Urban)	142	88	80	136	113	24	246	150	111	124	82	9	134	56	1495
7	Total Wards(R+U)	1028	893	577	848	837	504	1062	1158	977	1110	886	256	912	421	11469
8	No.of H.H estimated('000)	656	502	257	416	365	248	551	529	462	479	461	142	401	185	5654
9	No.of H.H having no land owned ('000)	47	19	14	18	23	17	42	19	28	20	19	26	32	11	335
10	No.of operational Holdings estimated ('000)	629	482	250	404	348	244	516	514	434	461	463	132	370	172	5419
11	No.of operational holdings having no land owned('000)	10	3	5	3	8	14	7	9	4	2	3	12	13	4	97

Appendix - 1

Number of operational holdings and area operated

by size class 1990-91.

STATE : KERALA (Total)

Size of holding (hect.)	Number of operational holdings				Area operated (hect.)			
	individual	joint	institutional	total	individual	joint	institutional	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Below 0.02	630075	70	4979	635124	8233		67	8300
2. 0.02-0.05	3877167	2301	34814	3914282	529603	463	5033	535099
3. 0.50-1.00	460215	482	5976	466673	331647	332	4094	336073
Marginal (1+2+3)	4967457	2853	45769	5016079	869483	795	9194	879472
4. 1.00-2.00	276756	469	3675	280900	375791	648	4998	381437
small (4)	276756	469	3675	280900	375791	648	4998	381437
5. 2.00-3.00	74109	171	1382	75662	175541	444	3144	179129
6. 3.00-4.00	21402	138	496	22036	72570	416	1682	74668
Semi-medium (5+6)	95511	309	1878	97698	248111	860	4826	253797
7. 4.00-5.00	11687	86	456	12229	50809	420	1980	53209
8. 5.00-7.50	6680	45	357	7082	39388	296	2196	41880
9. 7.50-10.00	1894	15	164	2073	16103	122	1441	17666
Medium (7+8+9)	20261	146	977	21384	106300	838	5617	112755
10. 10.00-20.00	1596	30	197	1823	19997	401	2688	23086
11. 20.and above	741	20	544	1305	29807	561	120908	151276
Large (10+11)	2337	50	741	3128	49804	962	123596	174362
All sizes	5362322	3827	53040	5419189	1649489	4103	148231	1801823

Figures are Provisional.

Appendix - 2

Number of operational holdings and area operated

by size class 1990-91.

STATE : KERALA (Scheduled Castes)

Size of holding (hect.)	Number of operational holdings				Area operated (hect.)			
	individual	joint	institutional	total	individual	joint	institutional	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Below 0.02	126785	20		126805	1674			1674
2. 0.02-0.05	381711	74		381785	36380	12		36392
3. 0.50-1.00	9686			9686	7040			7040
Marginal (1+2+3)	518182	94	0	518276	45094	12	0	45106
4. 1.00-2.00	2792	5		2797	3573	9		3582
small (4)	2792	5	0	2797	3573	9	0	3582
5. 2.00-3.00	330			330	813			813
6. 3.00-4.00	166			166	601			601
Semi-medium (5+6)	496	0	0	496	1414	0	0	1414
7. 4.00-5.00	10			10	46			46
8. 5.00-7.50	10			10	56			56
9. 7.50-10.00								
Medium (7+8+9)	20	0	0	20	102	0	0	102
10. 10.00-20.00	5			5	60			60
11. 20 and above				0				0
Large (10+11)	5	0	0	5	60	0	0	60
All sizes	521495	99	0	521594	50243	21	0	50264

Figures are Provisional

Appendix - 3

Number of operational holdings and area operated

by size class 1990-91.

STATE : KERALA (Scheduled Tribes)

Size of holding (hect.)	Number of operational holdings				Area operated (hect.)			
	individual	joint	institutional	total	individual	joint	institutional	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Below 0.02	8213			8213	98			98
2. 0.02- 0.05	34373	30		34403	6290	9		6299
3. 0.50- 1.00	11906			11906	9244			9244
Marginal (1+2+3)	54492	30	0	54522	15632	9	0	15641
4. 1.00- 2.00	8829	10		8839	11625	16		11641
small (4)	8829	10	0	8839	11625	16	0	11641
5. 2.00- 3.00	1711			1711	3769			3769
6. 3.00- 4.00	375			375	1247			1247
Semi-medium (5+6)	2086	0	0	2086	5016	0	0	5016
7. 4.00- 5.00	190			190	813			813
8. 5.00- 7.50	90			90	549			549
9. 7.50-10.00	30			30	260			260
Medium (7+8+9)	310	0	0	310	1622	0	0	1622
10.10.00-20.00	5			5	62			62
11.20.and above	0			0	0			0
Large (10+11)	5	0	0	5	62	0	0	62
All sizes	65722	40	0	65762	33957	25	0	33982

Figures are Provisional

Appendix - 4

Number of operational holdings and area operated

by size class 1990-91.

STATE : KERALA (Others)

Size of holding (hect.)	Number of operational holdings				Area operated (hect.)			
	Indivi-dual	Joint	Instit-utional	Total	Indivi-dual	Joint	Instit-utional	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Below 0.02	495077	50	4979	500106	6461		67	6528
2. 0.02- 0.05	3461083	2197	34814	3498094	486489	442	5033	491964
3. 0.50- 1.00	438623	482	5976	445081	315735	332	4094	320161
Marginal (1+2+3)	4394783	2729	45769	4443281	808685	774	9194	818653
4. 1.00- 2.00	265135	454	3675	269264	360580	623	4998	366201
small (4)	265135	454	3675	269264	360580	623	4998	366201
5. 2.00- 3.00	72068	171	1382	73621	171015	444	3144	174603
6. 3.00- 4.00	20861	138	496	21495	70751	416	1682	72849
Semi-medium (5+6)	92929	309	1878	95116	241766	860	4826	247452
7. 4.00- 5.00	11487	86	456	12029	49950	420	1980	52350
8. 5.00- 7.50	6580	45	357	6982	38783	296	2196	41275
9. 7.50-10.00	1864	15	164	2043	15843	122	1441	17406
Medium (7+8+9)	19931	146	977	21054	104576	838	5617	111031
10.10.00-20.00	1586	30	197	1813	19875	401	2688	22964
11.20.and above	741	20	544	1305	29807	561	120908	151276
Large (10+11)	2327	50	741	3118	49682	962	123596	174240
All sizes	4775105	3688	53040	4831833	1565289	4057	148231	1717577

Figures are Provisional

Appendix - 5

District wise number and area of individual operational holdings .

1980-81 , 1985-86 and 1990-91.

STATE : KERALA (Total)

Sl.No.	District	1980-81			1985-86			1990-91 *		
		number	area(ha)	area/ holding	number	area(ha)	area/ holding	number	area(ha)	area/ holding
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1.	Trivandrum	450243	90497	0.20	533149	94147	0.18	621222	100029	0.16
2.	Kollam	492889	130927	0.27	428536	94264	0.22	479220	93946	0.20
3.	Pathanamthitta				240735	80219	0.33	247629	82470	0.33
4.	Alappuzha	421801	111664	0.26	361283	84119	0.23	398589	80727	0.20
5.	Kottayam	271246	140833	0.52	318381	145359	0.46	344646	141871	0.41
6.	Idukki	137413	133870	0.97	211174	135049	0.64	242396	136983	0.57
7.	Ernakulam	405376	135380	0.33	454657	119830	0.26	509862	118572	0.23
8.	Trissur	395217	119798	0.30	463436	123173	0.27	509339	119973	0.24
9.	Palakkad	313828	177507	0.56	387559	180028	0.46	431721	179720	0.42
10.	Malappuram	360889	179374	0.50	417502	137099	0.33	453835	135623	0.30
11.	Kozhikkode	434434	170948	0.39	431369	114072	0.26	458302	118730	0.26
12.	Wayanad	69157	84532	1.22	110438	94241	0.85	129432	88158	0.68
13.	Kannur	399543	241349	0.60	332112	167137	0.50	366476	163640	0.45
14.	Kasaragod				153423	85421	0.56	169653	89047	0.52
	Kerala State	4152036	1716679	0.41	4843754	1654158	0.34	5362322	1649489	0.31

* Figures are provisional.
Pathanamthitta and Kasaragod districts were formed after 1980-81 Agricultural Census.

Appendix - 6

District wise number and area of individual operational holdings

1980-81 , 1985-86 and 1990-91.

STATE : KERALA (Scheduled Castes)

Sl.No.	District	1980-81			1985-86			1990-91 *		
		number	area (hect.)	area/ holding	number	area (hect.)	area/ holding	number	area (hect.)	area/ holding
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1.	Trivandrum	35355	3861	0.11	57969	4300	0.01	69102	4315	0.06
2.	Kollam	54777	5593	0.10	50089	4004	0.08	54359	4328	0.08
3.	Pathanamthitta				28986	2574	0.09	29410	2657	0.09
4.	Alappuzha	39752	2860	0.07	34009	2638	0.08	35488	2628	0.07
5.	Kottayam	14918	1366	0.09	22611	1969	0.09	23129	2070	0.09
6.	Idukki	8520	2989	0.35	30999	4524	0.15	38886	5592	0.14
7.	Ernakulam	32864	2730	0.08	39099	2892	0.07	45833	3222	0.07
8.	Trissur	49776	3556	0.07	58589	3835	0.07	58883	3742	0.06
9.	Palakkad	45858	5671	0.12	67480	8339	0.12	66323	7779	0.12
10.	Malappuram	33536	4876	0.15	38431	3856	0.10	38266	3674	0.10
11.	Kozhikkode	22044	2813	0.13	28642	2873	0.10	29913	2930	0.10
12.	Wayanad	1227	1811	0.08	4273	1158	0.27	3271	1070	0.33
13.	Kannur	18495	6275	0.34	12700	2754	0.22	16358	2857	0.17
14.	Kasaragod				12384	3632	0.29	12274	3379	0.28
	Kerala State	357122	44401	0.12	486261	49348	0.10	521495	50243	0.10

* Figures are Provisional
Pathanamthitta and Kasaragod districts were formed after 1980-81 Agricultural Census.

Appendix - 7

District wise number and area of individual operational holdings

1980-81 , 1985-86 and 1990-91.

STATE : KERALA (Scheduled Tribes)

Sl.No.	District	1980-81			1985-86			1990-91 *		
		number	area (hect.)	area/ holding	number	area (hect.)	area/ holding	number	area (hect.)	area/ holding
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1.	Trivandrum	2194	357	0.16	1683	1378	0.82	5768	5106	0.89
2.	Kollam	1079	166	0.15	333	41	0.12	1393	340	0.24
3.	Pathanamthitta				70	6	0.09	1155	370	0.32
4.	Alappuzha	653	62	0.09	351	15	0.04	758	28	0.04
5.	Kottayam	892	965	1.08	2055	1680	0.82	3688	1314	0.36
6.	Idukki	4835	3779	0.78	11222	9964	0.89	11787	8093	0.69
7.	Ernakulam	129	5	0.04	951	48	0.05	641	82	0.13
8.	Trissur	502	42	0.08	147	19	0.13	596	62	0.10
9.	Palakkad	6372	216	0.03	6418	5194	0.81	5823	4553	0.78
10.	Malappuram	2098	573	0.27	1065	122	0.11	1698	960	0.57
11.	Kozhikkode	2055	969	0.47	359	106	0.30	1575	457	0.29
12.	Wayanad	12254	14229	1.16	17426	6274	0.36	21220	6597	0.31
13.	Kannur	7472	5264	0.70	2816	1584	0.56	3915	1975	0.50
14.	Kasaragod				4651	2853	0.61	5705	4020	0.70
	Kerala State	40535	26627	0.66	49547	29284	0.59	65722	33957	0.52

* Figures are Provisional
Pathanamthitta and Kasaragod districts were formed after 1980-81 Agricultural Census.

Appendix - 8

District wise number and area of individual operational holdings .

1980-81 , 1985-86 and 1990-91.

STATE : KERALA (Others)

Sl.No.	District	1980-81 number	1980-81 area (hect.)	1980-81 area/ holding	1985-86 number	1985-86 area (hect.)	1985-86 area/ holding	1990-91 * number	1990-91 * area (hect.)	1990-91 * area/ holding
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1.	Trivandrum	412694	86279	0.21	473497	88469	0.19	546352	90608	0.17
2.	Kollam	437033	125168	0.29	378114	90219	0.24	423468	89278	0.21
3.	Pathanamthitta				211679	77639	0.37	217064	79443	0.37
4.	Alappuzha	381396	108742	0.29	326923	81466	0.25	362343	78071	0.22
5.	Kottayam	255436	138502	0.54	293715	141710	0.48	317829	138487	0.44
6.	Idukki	124058	127102	1.02	168953	120561	0.71	191723	123298	0.64
7.	Ernakulam	372383	132645	0.36	414607	116890	0.28	463388	115268	0.25
8.	Trissur	344939	116200	0.34	404700	119319	0.29	449860	116169	0.26
9.	Palakkad	261598	171620	0.66	313661	166495	0.53	359575	167388	0.47
10.	Malappuram	325255	173925	0.53	378006	133121	0.35	413871	130989	0.32
11.	Kozhikkode	410335	167166	0.41	402368	111093	0.28	426814	115343	0.27
12.	Wayanad	55676	68492	1.23	88739	86809	0.98	104941	80491	0.77
13.	Kannur	373576	229810	0.62	316596	162799	0.51	346203	158808	0.46
14.	Kasaragod				136388	78936	0.58	151674	81648	0.54
	Kerala State	3754379	1645651	0.44	4307946	1575526	0.37	4775105	1565289	0.33

* Figures are Provisional
Pathanamthitta and Kasaragod districts were formed after 1980-81 Agricultural Census.

Appendix - 9.1

Block wise number and area of individual holdings

for all social groups by size class 1990-91.

District : Thiruvananthapuram

(Holdings in Numbers and Area in Hectors)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Athiyannoor	13733	132	29523	2711	1175	792	410	492	56	129	0	0	0	0	44897	4256
2	Cherayinkil	6443	64	26878	2992	1602	1094	526	688	83	217	10	60	0	0	35542	5115
3	Kazhakoottam	6160	77	34822	3787	1591	1090	430	560	84	214	20	96	5	40	43112	5864
4	Kilimanoor	2425	32	31893	5174	4026	2819	1403	1880	267	663	30	145	5	160	40049	10873
5	Nedumangad	2845	37	28336	3493	1700	1136	717	899	127	277	15	103	0	0	33740	5945
6	Neemam	11795	142	39897	3990	1556	1059	617	799	137	316	25	128	0	0	54027	6434
7	Parasala	13411	129	28894	2956	1382	935	472	575	51	121	5	25	0	0	44215	4741
8	Perumkadavila	10000	131	39260	5242	3110	2122	1165	1577	275	699	45	248	0	0	53855	10019
9	Thiruvananthapuram	7343	95	20614	1370	317	207	138	180	51	121	15	85	5	124	28483	2182
10	Vamanapuram	2909	34	39178	5726	5028	3438	1980	2573	497	1262	82	409	10	121	49684	13563
11	Varkala	2021	27	24049	3106	1514	1019	467	608	91	229	0	0	0	0	28142	4989
12	Vellanad	3814	51	42790	5483	4832	4020	2129	2845	528	1240	85	440	20	328	54198	14407
Sub Total - Rural		82899	951	386134	46030	27833	19731	10454	13676	2247	5488	332	1739	45	773	509944	88388
Sub Total - Urban		35450	399	72562	5561	2087	1468	692	900	325	807	145	716	35	1790	111296	11641
Dist. Total		118349	1350	458696	51591	29920	21199	11146	14576	2572	6295	477	2455	80	2563	621240	100029

Appendix - 9.2

Block wise number and area of individual holdings

for all social groups by size class 1990-91.

District : Kollam

(Holdings in Numbers and area in hecters)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Anchal	7589	83	31812	5038	3603	2298	2004	2093	364	851	55	267	0	0	45427	10630
2	Anchalummoodu	7706	109	20951	1872	434	283	117	146	15	53	5	29	0	0	29228	2492
3	Chavara	4108	57	24421	2330	738	478	204	248	30	87	0	0	0	0	29501	3200
4	Chittumala	2418	34	18564	1737	848	538	233	272	46	118	5	40	0	0	22114	2739
5	Ithikkara	5578	81	27173	3455	1951	1451	640	936	107	276	10	54	0	0	35459	6253
6	Karunagappally	4414	57	26467	2975	1673	1143	635	845	161	394	10	39	0	0	33360	5453
7	Kottarakkara	2617	38	25791	4401	2441	1876	866	1243	207	567	15	65	0	0	31937	8190
8	Mukathala	8573	110	37287	3416	1342	915	339	427	20	57	0	0	5	52	47566	4977
9	Ochira	1701	25	14882	1690	875	592	296	402	65	160	0	0	0	0	17819	2869
10	Pathanapuram	2604	35	25895	3774	3483	2424	1650	2211	364	919	93	511	0	0	34089	9874
11	Sasthamcotta	1776	25	26155	4736	2529	1992	900	1407	118	289	0	0	0	0	31478	8449
12	Vettikavalla	1226	17	29731	5101	4546	3138	1629	2098	225	579	43	203	5	52	37405	11188
13	Chadayamangalam	2160	33	40014	7113	5135	3543	1852	2397	267	665	5	37	0	0	49433	13788
	Sub Total - Rural	52470	704	349143	47638	29598	20671	11365	14725	1989	5015	241	1245	10	104	444816	90102
	Sub Total - Urban	12912	146	19970	1833	943	686	449	608	76	202	44	247	10	122	34404	3844
	Dist. Total	65382	850	369113	49471	30541	21357	11814	15333	2065	5217	285	1492	20	226	479220	93946

Appendix - 9.3

Block wise number and area of individual holdings

for all social groups by size class 1990-91.

District : Pathanamthitta

(Holdings in Numbers and area in hectares)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Konni	1260	15	24262	4118	4343	3035	2027	2626	523	1332	121	599	20	354	32556	12079
2	Koyipuram	3198	44	18547	2855	3207	2219	1502	2013	337	877	39	170	5	69	26835	8247
3	Elanthoor	1471	21	16365	2822	2869	1970	1319	1756	216	554	35	189	15	234	22290	7546
4	Kulanada	599	7	9249	1821	1685	1182	792	1023	149	371	10	61	0	0	12484	4465
5	Pandalam	328	5	4052	679	730	528	272	357	62	162	6	34	0	0	5450	1765
6	Parakode	2616	36	33309	5332	4514	3354	1980	2680	411	1036	67	346	31	456	42928	13240
7	Pulikeezu	3519	56	12403	1788	1484	1119	745	1056	107	296	20	103	0	0	18278	4418
8	Ranni	2730	42	21770	3704	4358	3011	3053	4114	767	1882	143	823	84	1228	32905	14804
9	Mallappally	2486	40	14778	2643	3256	2349	1570	2244	340	894	40	228	0	0	22470	8398
Sub Total - Rural		18207	266	154735	25762	26446	18767	13260	17869	2912	7404	481	2553	155	2341	216196	74962
Sub Total - Urban		3385	40	24320	3451	2374	1586	1010	1331	291	753	48	267	5	80	31433	7508
Dist. Total		21592	306	179055	29213	28820	20353	14270	19200	3203	8157	529	2820	160	2421	247629	82470

Appendix - 9.4

Block wise number and area of individual holdings for all social groups by size class 1990-91.

District : Allappuzha

(Holdings in Numbers and area in hectares)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area(ha)	Hold.	area(ha)	Hold.	area(ha)	Hold.	area(ha)	Hold.	area(ha)	Hold.	area(ha)	Hold.	area(ha)	Hold.	area(ha)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Ampalapuzha	2641	38	19983	2302	1112	822	549	783	137	393	15	93	0	0	24437	4431
2	Veliyanadu	1770	26	11165	1453	1600	1181	1165	1620	595	1625	245	1413	20	371	16560	7689
3	Mavelikkara	2136	30	21322	2717	2217	1557	787	1076	245	531	10	72	0	0	26717	6183
4	Bharanikkavu	1634	14	27019	4283	3128	2185	1232	1672	222	585	25	145	0	0	33260	8884
5	Muthukulam	4330	64	28105	2960	1620	1159	645	857	130	325	0	0	5	53	34835	5418
6	Pattanakkadu	4022	60	31222	3034	1463	1045	636	849	206	542	25	212	20	121	37594	5863
7	Aryad	2110	30	20102	2174	624	390	175	191	27	77	5	20	0	0	23043	2882
8	Chengannur	2465	35	28270	3938	3380	2296	1145	1495	170	416	20	105	0	0	35450	8285
9	Kanjikuzhy	2015	30	28310	3359	1830	1256	695	929	170	444	45	217	0	0	33065	6235
10	Thycattussery	1722	25	15033	1520	822	566	416	554	114	293	0	0	0	0	18107	2958
11	Haripad	5295	74	26572	3144	1791	1369	605	850	176	478	25	122	0	0	34464	6037
12	Champakulam	3304	44	14645	2011	2376	1835	1397	1961	552	1546	141	717	15	356	22430	8470
	Sub Total - Rural	33444	470	271748	33095	21963	15661	9447	12837	2744	7255	556	3116	60	901	339962	73335
	Sub Total - Urban	11719	150	44499	4439	1604	1127	526	675	219	560	50	305	10	136	58627	7392
	Dist. Total	45163	620	316247	37534	23567	16788	9973	13512	2963	7815	606	3421	70	1037	398589	80727

Appendix - 9.5

Block wise number and area of individual holdings

for all social groups by size class 1990-91.

District : Kottayam

(Holdings in Numbers and area in hectares)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Erattupettah	1931	27	10171	1572	2489	1797	2743	4303	1896	4070	432	2353	51	611	19713	14733
2	Ettumanoor	4515	63	27410	3790	2440	1902	1245	1977	385	1035	65	343	10	203	36070	9313
3	Kaduthuruthy	1603	22	21051	3336	4151	2938	2376	3180	710	1825	183	1014	35	393	30109	12708
4	Kanjirappally	3550	46	22107	3708	3362	2653	2307	3397	992	2906	295	1655	129	2268	32742	16633
5	Lalam	1485	20	8859	1698	2530	2024	2622	3889	1316	3666	317	1876	35	719	17164	13892
6	Madappally	5308	75	25203	2919	2693	1870	1546	2069	472	1237	132	741	0	0	35354	8911
7	Pallom	6416	86	35529	4117	4115	2913	2337	3195	627	1590	104	545	35	923	49163	13369
8	Pampady	2050	26	15535	2280	3400	2421	2810	3817	1084	2784	173	889	5	66	25057	12283
9	Uzhavoor	1390	20	15150	3112	4639	3572	3574	5208	1439	3970	222	1115	15	190	26429	17187
10	Vaikom	2107	32	18980	2196	1731	1206	875	1181	281	739	51	303	0	0	24025	5657
11	Vazhoor	2239	31	13847	2296	3015	2419	2060	2961	740	2002	102	530	5	52	22008	10291
Sub Total - Rural		32594	448	213842	31024	34565	25715	24495	35177	9942	25824	2076	11364	320	5425	317834	134977
Sub Total - Urban		6125	68	18532	1869	891	711	781	1140	292	780	142	828	49	1498	26812	6894
Dist. Total		38719	516	232374	32893	35456	26426	25276	36317	10234	26604	2218	12192	369	6923	344646	141871

Appendix - 9.6

Block wise number and area of individual holdings for all social groups by size class 1990-91.

District : IDUKKI

(Holdings in Numbers and area in hectares)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Adimali	1609	23	17495	4005	7099	5138	4974	6428	1128	2765	123	636	15	191	32443	19186
2	Azhutha	10638	110	18268	3490	5013	3611	2865	3764	701	1683	106	549	40	636	37631	13843
3	Devicolam	12445	160	9685	1019	3165	2274	1800	2048	290	724	120	625	20	245	27525	7095
4	Elamdesam	2156	30	10811	1799	4162	3035	6142	7716	1680	4174	248	1355	5	65	25204	18174
5	Idukki	376	5	10256	2822	8282	6274	8536	11049	1248	2942	137	634	0	0	28835	23726
6	Kattappana	5258	53	19149	3352	5818	4082	4102	5328	1458	3597	414	2337	151	2356	36350	21105
7	Nedumkandam	5975	62	16515	3489	5333	3803	3546	4704	1102	2678	341	2016	204	7149	33016	23901
8	Thodupuzha	1393	20	8449	1320	1743	1248	1618	2407	749	1951	159	817	5	68	14116	7831
	Sub Total - Rural	39850	463	110628	21296	40615	29465	33583	43444	8356	20514	1648	8969	440	10710	235120	134861
	Sub Total - Urban	1310	17	4810	531	542	373	403	551	177	451	29	141	5	58	7276	2122
	Dist. Total	41160	480	115438	21827	41157	29838	33986	43995	8533	20965	1677	9110	445	10768	242396	136983

Appendix - 9.7

Block wise number and area of individual holdings

for all social groups by size class 1990-91.

District : Ernakulam

(Holdings in Numbers and area in hectares)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Alangad	2825	39	20190	2077	940	620	545	714	180	435	20	101	0	0	24700	3986
2	Angamali	6730	96	24115	3247	2460	1685	1175	1545	225	572	75	380	10	190	34790	7715
3	Edappally	3510	49	13166	1239	677	476	383	538	134	363	37	189	0	0	17907	2854
4	Kothamangalam	2352	29	19559	3384	3962	2717	2850	3509	1025	2740	220	1134	15	168	29983	13681
5	Mulamthurithy	3456	52	20829	2499	2010	1401	1020	1363	305	725	41	215	5	57	27666	6312
6	Moovattupuzha	2335	32	15370	2476	3560	2500	2830	3909	1190	3013	145	656	5	50	25435	12636
7	Pampakude	963	14	12296	2117	3412	2480	2795	3822	1066	2707	174	917	5	62	20711	12119
8	Parakkadavu	1820	26	19744	2361	1830	1229	707	884	115	279	21	96	0	0	24237	4875
9	Paravoor	3373	50	22886	1830	643	433	216	284	49	141	10	40	0	0	27177	2778
10	Vazhakkulam	4885	99	26035	3733	2510	1730	985	1234	250	629	30	146	0	0	34695	7571
11	Vyttila	2925	34	7612	578	160	108	50	65	11	37	0	0	0	0	10758	822
12	Koovappady	1780	23	20923	3667	843	2860	1923	2675	549	1446	53	313	5	700	26076	11684
13	Vaduvacode	1730	22	17375	2858	3495	2464	2240	3047	730	1870	160	763	15	510	25745	11534
14	Palluruthy	2491	33	7084	463	286	208	83	101	39	94	11	60	0	0	9994	959
15	Vypeen	8183	112	25417	1617	528	371	284	389	66	167	20	110	0	0	34498	2766
Sub Total - Rural		49358	710	272601	34146	27316	21282	18086	24079	5934	15218	1017	5120	60	1737	374372	102292
Sub Total - Urban		40154	516	88071	6997	4282	2960	2037	2730	767	1940	140	693	39	444	135490	16280
Dist. Total		89512	1226	360672	41143	31598	24242	20123	26809	6701	17158	1157	5813	99	2181	509862	118572

Appendix - 9.8

Block wise number and area of individual holdings for all social groups by size Class 1990-91.

District : Trissur

(Holdings in Numbers and area in hectares)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Anthikad	1995	27	15851	1841	1937	1366	885	1179	191	479	39	187	0	0	20898	5079
2	Chalakkudy	2775	39	21210	3179	2825	1979	1465	1951	330	808	45	259	0	0	28650	8215
3	Chavakkad	2110	30	19882	2334	1764	1200	714	927	146	349	5	37	5	75	24626	4952
4	Cherpu	5557	77	24345	2410	1571	1091	638	856	134	329	26	116	15	287	32286	5166
5	Chowvannur	5162	69	22037	2598	2564	1790	961	1396	207	500	25	146	5	98	30961	6597
6	Iringalakuda	1985	27	16035	2244	1985	1378	955	1225	110	275	15	87	5	85	21090	5321
7	Mukundapuram	3002	45	29061	3703	3909	2695	1845	2416	400	1007	81	424	11	106	38309	10396
8	Kodungallur	2790	37	15840	1421	790	585	230	414	30	80	20	90	0	0	19700	2627
9	Mala	2371	32	20264	3107	3447	2668	1655	2201	305	794	35	177	15	514	28092	9493
10	Mathilokam	2049	31	19458	2452	1485	1045	472	622	116	293	15	74	0	0	23595	4517
11	Mullasseri	1537	21	12849	1449	1172	836	361	463	88	216	5	27	0	0	16012	3012
12	Ollukkara	5640	78	28725	3789	3525	2491	1950	2594	445	1093	30	154	15	183	40330	10382
13	Pazhayannur	4288	57	22479	2595	2779	1940	1463	2007	737	1961	112	581	5	70	31863	9211
14	Puzhakkal	3514	49	21491	2450	2941	2080	1264	1787	539	1450	63	316	0	0	29812	8132
15	Thalikulam	1423	22	19329	2272	1229	851	474	612	82	210	5	30	0	0	22542	3997
16	Wadakkanchery	3680	53	26395	3628	3990	2834	2105	2819	620	1596	70	345	10	144	36870	11419
17	Vallangallur	1795	26	17741	2274	1983	1388	797	1072	182	472	15	68	0	0	22513	5300
	Sub Total - Rural	51673	720	352992	43746	39896	28217	18234	24541	4662	11912	606	3118	86	1562	468149	113816
	Sub Total - Urban	8153	107	30460	2876	1582	1086	677	913	255	660	47	263	16	252	41190	6157
	Dist. Total	59826	827	383452	46622	41478	29303	18911	25454	4917	12572	653	3381	102	1814	509339	119973

Appendix - 9.9

Block wise number and area of individual holdings

for all social groups by size class 1990-91.

District : Palakkad

(Holdings in Numbers and area in hectares)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Alathur	5074	67	32888	3883	3505	2603	3074	4548	1233	3238	298	1620	89	2524	46161	18483
2	Attappady	435	6	4605	1194	3090	2323	2785	3690	1450	3578	270	1274	5	51	12640	12116
3	Chittur	7791	107	16167	1587	2130	1593	2663	3705	2027	5358	894	4737	10	140	31682	17227
4	Kollengode	5492	74	20301	2407	1687	1338	2011	3079	1661	4099	521	2871	5	178	31678	14046
5	Kuzhalmannam	5331	71	29283	3211	3843	2727	3024	4188	1769	4735	460	2354	0	0	43710	17286
6	Mannarghat	1719	25	25517	4334	4591	3407	3314	4753	1462	3965	329	1735	41	557	36973	18776
7	Nenmara	3872	50	15365	1605	1599	1139	1535	2124	836	2263	237	1266	35	2062	23479	10509
8	Ottapalam	1049	15	15763	2699	2558	2000	1455	1949	628	1594	108	597	0	0	21561	8854
9	Palakkad	5676	75	32963	4258	4270	3184	2953	4223	1476	3853	454	2309	10	186	47802	18088
10	Pattambi	2440	35	29756	4199	4147	2891	2406	3268	925	2452	176	896	0	0	39850	13741
11	S.krishnapuram	984	14	17899	2962	3582	2508	2312	3121	1014	2632	207	1053	10	115	26008	12405
12	Trithala	1739	27	20606	3226	2600	1951	1667	2460	526	1408	121	681	0	0	27259	9753
Sub Total - Rural		41602	566	261113	35565	37602	27664	29199	41108	15007	39175	4075	21393	205	5813	388803	171284
Sub Total - Urban		7883	102	30872	2864	2180	1528	1307	1748	523	1347	143	734	10	113	42918	8436
Dist. Total		49485	668	291985	38429	39782	29192	30506	42856	15530	40522	4218	22127	215	5926	431721	179720

Appendix - 9.10

Block wise number and area of individual holdings for all social groups by size class 1990-91.

District : Malappuram

(Holdings in Numbers and area in hectares)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Andathode	1581	21	17386	2023	1688	1191	841	1127	220	535	20	97	0	0	21736	4994
2	Kondotty	654	5	24868	3171	2626	1382	1269	1317	529	1289	135	679	5	53	30086	7896
3	Kuttippuram	820	12	21265	3076	2360	1628	955	1294	415	1111	55	262	0	0	25870	7383
4	Malappuram	654	9	20482	3110	1953	1285	807	1115	383	1049	54	264	5	85	24338	6917
5	Manjery	1210	16	22395	4359	2843	1870	1478	1955	676	1668	107	518	5	787	28714	11173
6	Mankada	1829	25	28503	3918	2714	1921	1584	2112	547	1421	82	433	0	0	35259	9830
7	Nilambur	4106	56	31295	4192	4848	2859	3646	3975	1793	3761	586	2745	65	1489	46339	19077
8	Thirurangadi	2276	32	28838	3404	2007	1347	811	1030	208	525	35	197	0	0	34175	6535
9	Ponnani	731	10	16056	1934	1732	1209	894	1082	235	620	36	170	0	0	19684	5025
10	Tannur	1740	24	27000	3116	1855	1262	835	1128	200	491	45	231	0	0	31675	6252
11	Tirur	1057	16	20448	2518	1591	1095	902	1191	180	444	19	103	0	0	24197	5367
12	Wondoor	1109	15	30155	4654	5292	3676	3167	4140	1529	4070	421	2223	89	1566	41762	20344
13	Vengara	1178	18	20719	2735	1809	1240	830	1136	203	554	34	160	0	0	24773	5843
14	Perunthalmanna	1169	16	21788	3163	2758	1877	1957	2696	817	2182	199	1141	40	941	28728	12016
	Sub Total - Rural	20114	275	331198	45373	36076	23842	19976	25298	7935	19720	1828	9223	209	4921	417336	128652
	Sub Total - Urban	2795	39	30972	3845	1715	1174	739	947	199	506	75	406	4	54	36499	6971
	Dist. Total	22909	314	362170	49218	37791	25016	20715	26245	8134	20226	1903	9629	213	4975	453835	135623

Appendix - 9.11

Block wise number and area of individual holdings

for all social groups by size Class 1990-91.

District:Kozhikode

(Holdings in Numbers and area in hectares)

Sl.No.	Block/ Muncipality	Below 0.02		0.02-0.5		0.5-1.0		1.0-2.0.		2.0-4.0		4.0-10.0		10.0 & above		Total	
		number	area	number	area	number	area	number	area	number	area	number	area	number	area	number	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1.	Chevayur	3203	47	22515	2414	2221	1556	966	1268	200	515	20	118	0	0	29125	5918
2.	Koduvally	2669	40	29046	4331	4509	3214	3055	4156	1298	3488	307	1655	58	1045	40942	17929
3.	KOzhikode	7819	109	30896	2616	708	480	308	393	66	155	21	85	0	0	39818	3838
4.	Kunnamangalam	2165	31	41920	8286	5410	4833	4385	5586	1195	3053	245	1193	15	160	55335	23142
5.	Balusseri	1769	26	33658	5677	4441	3032	2490	3202	855	2163	193	1080	0	0	43406	15180
6.	Melady	1383	19	19012	3551	1623	1105	643	852	105	266	15	73	0	0	22781	5866
7.	Panthalayani	2373	35	26444	3257	1756	1170	482	652	72	211	0	0	0	0	31127	5325
8.	Perambra	1125	16	28825	4783	3840	2579	1665	2162	475	1122	40	173	5	55	35975	10890
9.	Badagara	1568	24	16434	2061	1052	723	253	323	24	64	0	0	0	0	19331	3195
10.	Tuneri	1045	16	18555	3045	1810	1246	715	966	140	311	15	83	0	0	22280	5667
11.	Thodannur	1602	12	17675	2936	1804	1218	631	804	147	377	10	49	5	52	21874	5448
12.	Kunnummel	1820	23	26436	4189	3305	2318	1987	2513	619	1569	81	367	0	0	34248	10979
	Sub total- Rural	28541	398	311416	47146	32479	23474	17580	22877	5196	13294	947	4876	83	1312	396242	113377
	Sub total - Urban.	12238	164	48355	3755	1075	736	311	406	61	151	20	141	0	0	62060	5353
	Dist. Total	40779	562	359771	50901	33554	24210	17891	23283	5257	13445	967	5017	83	1312	458302	118730

Appendix - 9.12

Block wise number and area of individual holdings for all social groups by size class 1990-91.

District : Wayanadu

(Holdings in Numbers and area in hectares)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Kalpatta	8719	108	18989	4180	4456	3127	3286	5039	1576	4003	495	2576	133	2745	37654	21778
2	Mananthavady	1035	13	21960	4960	5900	4087	5700	8803	2635	7591	630	3279	40	671	37900	29404
3	Sulthan Bathery	4590	69	28621	5945	7917	6572	6739	9955	2959	9000	592	3050	25	341	51443	34932
Sub Total - Rural		14344	190	69570	15085	18273	13786	15725	23797	7170	20594	1717	8905	198	3757	126997	86114
Sub Total - Urban		374	4	1567	256	145	105	140	193	100	251	95	528	14	707	2435	2044
Dist. Total		14718	194	71137	15341	18418	13891	15865	23990	7270	20845	1812	9433	212	4464	129432	88158

Appendix - 9.13

Block wise number and area of individual holdings

for all social groups by size class 1990-91.

District : Kannur

(Holdings in Numbers and area in hectares)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Edakkad	2734	40	29072	4792	2534	1725	711	928	143	352	5	22	0	0	35199	7859
2	Irikkur	474	7	19583	4698	6708	5044	5321	7801	2574	7309	445	2360	30	361	35135	27580
3	Iritty	1270	19	15996	3792	4684	3583	3246	4826	1493	4386	365	1958	25	370	27079	18934
4	Kannur	2066	28	15739	1793	310	250	87	112	15	30	0	0	0	0	18217	2213
5	Kuttyparambu	583	9	26790	4641	3567	2616	2193	3165	415	1171	94	436	10	154	33652	12192
6	Payyannur	1461	20	32641	6098	7871	5777	5484	7866	2034	5418	475	2381	25	472	49991	28032
7	Peravoor	745	11	13690	2659	4575	3229	3795	5155	1755	4439	335	1672	45	1075	24940	18240
8	Thalasseri	1101	16	27602	4057	1388	1011	374	581	92	260	10	75	5	84	30572	6084
9	Thaliparambu	3467	54	41391	7178	8650	6366	5733	8304	2351	6084	640	3231	30	401	62262	31618
	Sub Total - Rural	13901	204	222504	39708	40287	29601	26944	38738	10872	29449	2369	12135	170	2917	317047	152752
	Sub Total - Urban	3983	53	40229	4897	3171	2166	1453	1950	492	1264	96	502	5	56	49429	10888
	Dist. Total	17884	257	262733	44605	43458	31767	28397	40688	11364	30713	2465	12637	175	2973	366476	163640

Appendix - 9.14

Block wise number and area of individual holdings for all social groups by size class 1990-91.

District : KASARAGOD

(Holdings in Numbers and area in hectares)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Kanhangad	653	10	22447	4578	6422	4462	4960	6485	2184	5497	682	3582	79	1586	37427	26200
2	Kasaragod	903	13	22813	4622	5341	3899	3750	5199	1503	4011	195	1032	10	114	34515	18890
3	Manjeswar	471	7	23069	4550	6473	4688	5028	6865	1779	4809	117	564			36937	21483
4	Neeleswar	1248	18	31270	5428	5752	4051	3954	5220	1223	3049	252	1347	15	429	43714	19542
	Sub Total - Rural	3275	48	99599	19178	23988	17100	17692	23769	6689	17366	1246	6525	104	2129	152593	86115
	Sub Total - Urban	1335	16	14730	1635	682	458	196	270	79	211	19	145	5	132	17046	2867
	Dist. Total	4610	64	114329	20813	24670	17558	17888	24039	6768	17577	1265	6670	109	2261	169639	88982

Appendix - 10

Municipality/Corporation wise number and area of individual holdings for all social groups by size class 1990-91.

(Holdings in Numbers and area in hectares)

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Trivandrum Corp.	30940	343	49495	3222	1045	743	485	639	265	659	145	716	35	1790	82410	8112
2	Attingal Mun.	610	7	4690	506	205	138	65	82	30	69	0	0	0	0	5600	802
3	Nedumangad Mun.	1149	16	8191	794	504	367	107	147	10	31	0	0	0	0	9961	1355
4	Neyyattinkara Mun.	1935	23	4330	396	175	115	20	13	15	35	0	0	0	0	6475	582
5	Varkala Mun.	816	10	5856	643	158	105	15	19	5	13	0	0	0	0	6850	790
Thiruvananthapuram - Urban		35450	399	72562	5561	2087	1468	692	900	325	807	145	716	35	1790	111296	11641
1	Kollam Mun	11221	125	8358	522	134	96	87	135	15	41	20	106	5	57	19840	1082
2	Punalur Mun	957	11	6702	811	612	453	285	378	56	151	19	102	5	65	8636	1971
3	Paravoor Mun	734	10	4910	500	197	137	77	95	5	10	5	39	0	0	5928	791
Kollam - Urban		12912	146	19970	1833	943	686	449	608	76	202	44	247	10	122	34404	3844
1	Pandalam Mun.	801	10	6711	1129	498	325	208	261	26	69	0	0	0	0	8244	1794
2	Pathanamthitta Mun	610	7	5678	789	634	426	269	367	81	203	20	121	0	0	7292	1913
3	Thiruvalla Mun.	1765	20	7723	929	730	484	362	478	102	257	11	68	5	80	10698	2316
4	Adoor Mun.	209	3	4208	604	512	351	171	225	82	224	17	78	0	0	5199	1485
Pathanamthitta - Urban		3385	40	24320	3451	2374	1586	1010	1331	291	753	48	267	5	80	31433	7508

Cotd.....

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Alappuzha Mun.	8086	100	18411	1703	236	165	88	120	46	122	5	35	10	136	26882	2381
2	Chengannur Mun.	555	8	3980	508	415	291	110	139	45	112	10	66	0	0	5115	1124
3	Mavelikkara Mun.	810	10	4180	455	260	187	90	118	45	115	25	119	0	0	5410	1004
4	Kayamkulam Mun.	1605	23	10223	948	347	231	112	133	27	55	0	0	0	0	12314	1390
5	Cherthala Mun.	663	9	7705	825	346	253	126	165	56	156	10	85	0	0	8906	1493
	Alappuzha - Urban	11719	150	44499	4439	1604	1127	526	675	219	560	50	305	10	136	58627	7392
1	Chenganacherry Mun	1588	16	4440	407	187	131	213	278	48	113	26	146	5	66	6507	1157
2	Erattupattam Mun	716	9	2277	260	144	118	72	104	46	115	14	65	5	246	3274	917
3	Kottayam Mun	2901	31	6345	587	175	152	141	215	48	143	37	216	24	772	9671	2116
4	Palai Mun	410	6	2040	290	275	216	275	419	135	365	60	359	15	414	3210	2069
5	Vaikam Mun	510	6	3430	325	110	94	80	124	15	44	5	42	0	0	4150	635
	Kottayam - Urban	6125	68	18532	1869	891	711	781	1140	292	780	142	828	49	1498	26812	6894
1	Thodupuzha Mun	1310	17	4810	531	542	373	403	551	177	451	29	141	5	58	7276	2122
	Idukki - Urban	1310	17	4810	531	542	373	403	551	177	451	29	141	5	58	7276	2122
1	Eloor Mun.	225	3	5117	480	162	113	27	35	32	85	0	0	0	0	5563	716
2	Kothamangalam Mun.	711	8	2741	441	667	467	379	522	139	346	44	242	10	111	4691	2137
3	Piravam Mun.	281	4	4483	649	770	527	430	582	132	354	17	86	0	0	6113	2202
4	Angamali Mun.	190	2	2865	467	465	319	150	189	35	83	0	0	5	83	3710	1143
5	Aluwa Mun.	640	9	3085	231	55	45	45	57	15	40	5	23	0	0	3845	405
6	Koothattukulam Mun	441	7	2813	504	639	420	284	369	36	78	5	18	0	0	4218	1396
7	Moovattupuzha Mun.	750	9	4030	422	220	154	130	168	65	165	0	0	5	40	5200	958
8	Tripunithara Mun.	1836	26	8957	652	243	174	89	118	28	73	14	63	9	98	11176	1204
9	Parur Mun.	795	9	4400	346	235	159	90	130	10	28	0	0	0	0	5530	672
10	Kalamassery Mun.	1050	14	4760	458	240	164	115	165	55	147	5	23	0	0	6225	971
11	Perumbavoor Mun.	235	3	3410	409	155	101	30	42	15	33	0	0	0	0	3845	588
12	Cochin Corp.	33000	422	41410	1938	431	317	268	353	205	508	50	238	10	112	75374	3888
	Ernakulam - Urban	40154	516	88071	6997	4282	2960	2037	2730	767	1940	140	693	39	444	135490	16280

Cotd....

Sl.No.	Block/ Muncipality	Below 0.02		0.02 - 0.5		0.5 - 1.0		1.0 - 2.0		2.0 - 4.0		4.0 - 10.0		10.0 & above		Total	
		Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area	Hold.	area
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1	Trissur Mun.	3016	40	7291	537	256	182	192	259	112	280	37	211	11	163	10915	1672
2	Kunnamkulam Mun.	1296	15	2784	262	229	152	37	54	42	110	0	0	0	0	4388	593
3	Chalakudy	990	14	5800	648	444	312	107	139	51	139	5	27	0	0	7397	1279
4	Irinjalakuda	490	6	3275	311	160	113	85	117	10	29	0	0	0	0	4020	576
5	Guruvayoor(T.S)	345	5	1825	187	130	88	40	55	5	12	0	0	5	89	2350	436
6	Kodungallor Mun.	1555	21	4910	485	205	140	120	158	20	48	5	25	0	0	6815	877
7	Chavakkad Mun.	461	6	4575	446	158	99	96	131	15	42	0	0	0	0	5305	724
	Trissur - Urban	8153	107	30460	2876	1582	1086	677	913	255	660	47	263	16	252	41190	6157
1	Chit.T.mangalam	1358	17	3139	258	283	208	173	219	101	263	34	162	0	0	5088	1127
2	Mannarkad	1935	29	7115	726	715	494	450	611	145	371	50	259	5	53	10415	2543
3	Ottappalam	607	8	6514	760	500	341	280	380	88	222	14	83	0	0	8003	1794
4	Palakkad	3613	42	9396	562	221	160	159	206	97	245	25	117	0	0	13511	1332
5	Shornur	370	6	4708	558	461	325	245	332	92	246	20	113	5	60	5901	1640
	Palakkad - Urban	7883	102	30872	2864	2180	1528	1307	1748	523	1347	143	734	10	113	42918	8436
1	Ponnani Mun.	1139	16	4250	358	112	94	37	47	9	21	0	0	0	0	5547	536
2	Manjery Mun.	80	1	10383	1733	858	573	334	421	42	118	5	39	0	0	11702	2885
3	Perinthalmanna Mun	888	12	4396	500	328	226	216	276	124	314	40	186	4	54	5996	1568
4	Tirur Mun.	314	5	6029	584	182	127	56	60	10	22	20	116	0	0	6611	914
5	Malappuram Mun.	374	5	5914	670	235	154	96	143	14	31	10	65	0	0	6643	1068
	Malappuram - Urban	2795	39	30972	3845	1715	1174	739	947	199	506	75	406	4	54	36499	6971

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