

Government of Kerala

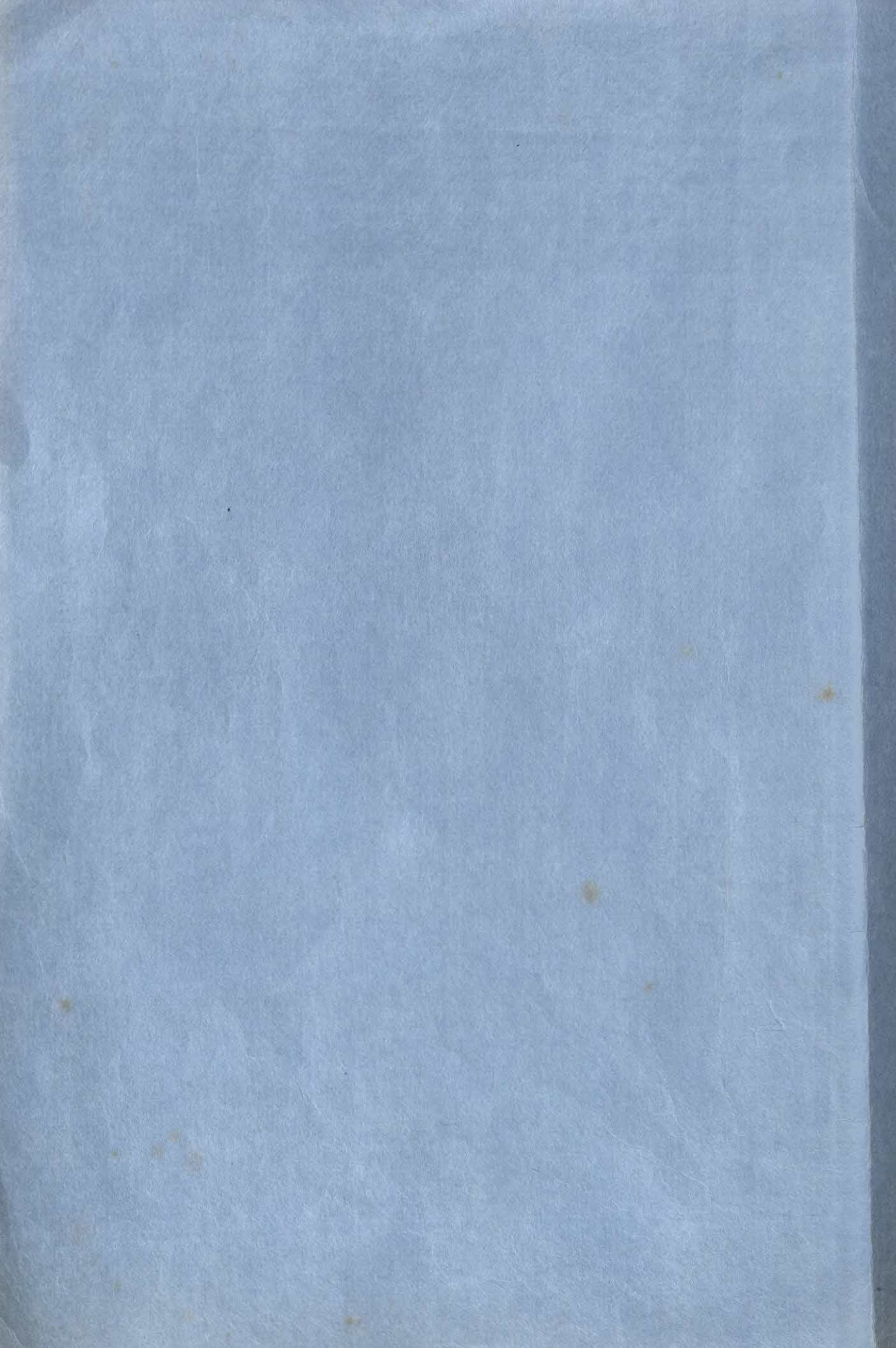
AGRICULTURAL STATISTICS
2001 - 2002

Department of Economics & Statistics
Thiruvananthapuram

January 2003

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Agricultural Statistics

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Department of Economics & Statistics

Thiruvananthapuram

January, 2003

STATE OF TEXAS

COUNTY OF DALLAS

1901-1902

REPORT OF THE COMMISSIONER OF THE GENERAL LAND OFFICE

FOR THE YEAR 1901-1902

DAVID W. COOPER, COMMISSIONER

PREFACE

Kerala being a Non Land Record State, Agricultural Statistics are being collected through the sample survey conducted every year under the central scheme – Establishment of an Agency for Reporting Agricultural Statistics (EARAS) from 1975-76 onwards. The data collected through the sample survey are utilised for estimation of area under agricultural crop, crop production, yield rate, land utilisation statistics, irrigation statistics, etc. Prior to the introduction of scheme EARAS, the Agricultural Statistics and Land utilisation statistics were collected through land utilisation surveys conducted by the Department of Economics and Statistics. Considering the role and importance of Agricultural Sector in the over all socio - economic development of the state, the Department of Economics and Statistics brings out annually, the publication 'Agricultural Statistics.' The present report Agricultural Statistics 2001-02 deals with the result of sample survey conducted in Kerala during the period from 01.07.2001 to 30.06.2002.

The field work of the survey was conducted by Investigators under immediate supervision and guidance of Taluk/District level officers of the department under the overall supervision of Shri B.Mohanakumaran Nair, Joint Director and guidance of Smt.S.Indira , Additional Director. The processing of data and preparation of Agricultural Statistics is carried out by the Agricultural Division of the Directorate of Economics and Statistics.

I hope this report would be of great help to those engaged and interested in Agricultural sector, Planners, Administrators, Researchers etc. in this field. Suggestions for the improvement are always welcome.

A.MEERA SAHIB
DIRECTOR

Thiruvananthapuram
22.01.03.

APPENDIX

The first part of the survey was conducted by the Bureau of Census in 1964. The results of this survey are presented in Table 1. The second part of the survey was conducted by the Bureau of Census in 1965. The results of this survey are presented in Table 2. The third part of the survey was conducted by the Bureau of Census in 1966. The results of this survey are presented in Table 3. The fourth part of the survey was conducted by the Bureau of Census in 1967. The results of this survey are presented in Table 4. The fifth part of the survey was conducted by the Bureau of Census in 1968. The results of this survey are presented in Table 5. The sixth part of the survey was conducted by the Bureau of Census in 1969. The results of this survey are presented in Table 6. The seventh part of the survey was conducted by the Bureau of Census in 1970. The results of this survey are presented in Table 7. The eighth part of the survey was conducted by the Bureau of Census in 1971. The results of this survey are presented in Table 8. The ninth part of the survey was conducted by the Bureau of Census in 1972. The results of this survey are presented in Table 9. The tenth part of the survey was conducted by the Bureau of Census in 1973. The results of this survey are presented in Table 10.

The data from the survey are presented in the following tables. Table 1 shows the results of the survey in 1964. Table 2 shows the results of the survey in 1965. Table 3 shows the results of the survey in 1966. Table 4 shows the results of the survey in 1967. Table 5 shows the results of the survey in 1968. Table 6 shows the results of the survey in 1969. Table 7 shows the results of the survey in 1970. Table 8 shows the results of the survey in 1971. Table 9 shows the results of the survey in 1972. Table 10 shows the results of the survey in 1973.

The data from the survey are presented in the following tables. Table 1 shows the results of the survey in 1964. Table 2 shows the results of the survey in 1965. Table 3 shows the results of the survey in 1966. Table 4 shows the results of the survey in 1967. Table 5 shows the results of the survey in 1968. Table 6 shows the results of the survey in 1969. Table 7 shows the results of the survey in 1970. Table 8 shows the results of the survey in 1971. Table 9 shows the results of the survey in 1972. Table 10 shows the results of the survey in 1973.

AMERICAN STATISTICAL ASSOCIATION
PUBLISHED BY THE

AMERICAN STATISTICAL ASSOCIATION
1973

Agricultural Statistics 2001-2002

The Report "Agricultural Statistics" annually published by the Directorate of Economics and Statistics deals with estimates of area under various crops, land utilisation pattern, crop production and other major aspects of agricultural sector of Kerala state. Initially the data collected through the land utilization survey was utilised for preparation of Agricultural Statistics in Kerala. But the data collected and estimates prepared were inadequate on account of small sampling frame and the limited coverage. With a view to obtain more comprehensive data on Agricultural Statistics in non-reporting states like Kerala, West Bengal and Orissa Government of India sponsored a scheme namely Establishment of an Agency for reporting Agricultural Statistics (EARAS). In Kerala the scheme was being implemented by the Department of Economics and Statistics from 1975-76 onwards. Originally the scheme was intended to collect Agricultural Statistics from 20% of the selected village in each year on a phased manner covering the entire state. EARAS Scheme was further revised in 1987-88 with an objective to prepare district level estimates with breakup for Block/Municipality/Corporation. During 1993-94 the Investigator zones were reorganized by suiting the villages to Panchayats. From 2000-01 onwards the part panchayats were discontinued and each investigator zone formed with full panchayat/panchyats. With the introduction of the Crop Insurance Scheme by Government of India, estimates of agricultural crop production and the yield rate at lower level became necessary. Even though this department is providing data for the use of National Agricultural Insurance Scheme (NAIS by GIC), there is an urgent need to generate an error free lower level Agricultural Statistics. To realise this objective the Small Area Crop Estimation Method (SACEM), an alternative methodology to estimate the area and yield of paddy, at micro level was suggested by Indian Agricultural Statistics Research Institute (IASRI). Final decision on this is awaited. The estimate of area under the crop and yield rate of the crop are the most important components in the estimation of crop production. The area Statistics are collected through the area enumeration survey while the yield rates are obtained through the General Crop Estimation Survey conducted under the scheme EARAS.

Sampling Design:

Stratified Multistage random sampling method is followed in the survey. The Block/Municipality/Corporation are treated as a stratum. The Blocks are divided in to a number of Investigator Zones depending on the area of the block and nature of land. Corporation area is divided in to three Investigator Zones. Each Municipality with area more than 10 square Km is treated as a single Investigator Zone. The Investigator Zones with in the stratum is the first stage unit of sampling, selected clusters of each Investigator Zone the second stage unit, and the selected survey number of the plot is the ultimate unit of sampling.

Sampling Size:

In each Investigator Zone 100 clusters of five-survey sub division as in the basic Tax Register is selected for the survey. These 100 clusters is allocated among the dry land and wet land in proportion to area under these categories in the zone. 100 survey numbers are selected from the basic tax register using circular systematic sampling method. These plots are the key plots for cluster formation.

The Investigators form the cluster by identifying 4 or more survey numbers adjacent to key survey number in a systematic manner so as to have a minimum of five acres for enumeration. Five hundred survey numbers will be enumerated annually in an Investigator Zone. Wet and Dry cluster will be formed separately and carried out separate enumeration. Wetland clusters will be enumerated in all three seasons Autumn, Winter and Summer and Dry land plots will be visited two times for enumeration. The area under crops of each season, annual, perennial, horticrops and vegetables etc. Land utilization details, irrigation particulars etc will be collected by the Investigator at the time of enumerations. Simultaneously Investigator will identify and conduct crop cutting experiments for all major crops and selected minor crops.

The yield rates obtained through analysis of scientifically designed crop cutting experiments under crop estimation survey are used for estimation of production and to work out mean yield for the purpose of implementation National Agricultural Insurance Scheme (NAIS).

The data collected through Area Enumeration Survey will be consolidated compiled and prepared area estimates at block and district level. By using area estimates and yield rate production estimates are prepared. The data regarding the land utilization are used to estimate the area under different classification of land utilization.

The following tables are prepared on the basis of the data collected through sample survey during 2001-2002 under the scheme EARAS in the state of Kerala.

Agricultural Statistics 2001-2002

Table 1 – Classification of area under land utilization

SI No	District	Total Geographical area	Forest	Land put to non agricultural use	Barren & uncultivable land	Permanent pastures and other grazing land	Land under misc. tree crops	Cultivable waste	Fallow other than current fallow	Current fallow	Net area sown	Area sown more than once	Total cropped area		Remarks
													14	15	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvananthapuram	218600	49861	23470	486	7	85	395	390	1098	142808	50870	193678		
2	Kollam	251838	81438	23421	230	2	73	380	473	3983	141838	62556	204394		
3	Pathanamthitta	268750	155214	15273	438		66	520	776	4398	92065	24430	116495		
4	Alappuzha	136058	-	24090	95		212	4755	3360	9677	93869	36258	130127		
5	Kottayam	219550	8141	26557	2031	1	119	2690	2259	4937	172815	48134	220949		
6	Idukki	514962	260907	15324	3893	153	2771	3158	980	1368	226408	49772	276180		
7	Ernakulam	235319	8123	42717	1291	15	236	6840	2867	6823	166407	52300	218707		
8	Thrissur	299390	103619	35060	512	13	857	3009	4451	9384	142485	49098	191583		
9	Palakkad	438980	136257	52828	3436	2	1578	18170	8817	14744	203148	117566	320714		
10	Malappuram	363230	103417	37433	2318	1	580	5230	4282	11653	198316	67931	266247		
11	Kozhikode	233330	41386	26870	1571	1	163	760	886	1865	159828	71073	230901		
12	Wayanad	212560	78787	12331	280	30	864	1680	782	2053	115753	85641	201394		
13	Kannur	296797	48734	31082	3350	3	1681	3720	1937	4342	201948	66518	268466		
14	Kasaragod	196133	5625	25896	9797	5	4328	12464	2071	2945	133002	19415	152417		
15	State	3885497	1081509	392352	29728	233	13613	63771	34331	79270	2190690	801562	2992252		

The estimates are based on survey conducted in the Revenue land (as per Village Records). Therefore the area under cultivation in forestland is not included.

Table 2 – Area under Crops 2001--2002

District	Paddy			Total	Jowar	Ragi	Other cereals	Total cereals/ millets	Pulses including Tur			Total food grains	
	Autumn	Winter	Summer						Autumn	Winter	Summer		
													Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Thiruvananthapuram	3336	3466	8	6810				6810	62	83	506	651	7461
2. Kollam	5263	6188	8	11459				11459	34	20	290	344	11803
3. Pathanamthitta	801	2118	2299	5218				5218			46	46	5264
4. Alappuzha	6851	17519	8741	33111				33111	27	4	51	82	33193
5. Kottayam	2057	7225	5968	15250				15250	48	30	722	800	16050
6. Idukki	1063	2770	555	4388		11	224	4623	13	53	376	442	5065
7. Ernakulam	11821	14391	6693	32905				32905	165	294	1684	2143	35048
8. Thrissur	9809	21074	6129	37012				37012	29	34	262	325	37337
9. Palakkad	57462	51104	7338	115904	2891	1933	2432	123160	196	932	36	1164	124324
10. Malappuram	6908	14023	1723	22654	5	3		22662	105	125	443	673	23335
11. Kozhikode	652	4878	872	6402	4			6406	16	34	267	317	6723
12. Wayanad		9903	2952	12855				12855		5	248	253	13108
13. Kannur	5915	4703	369	10987				10987	7	327	330	664	11651
14. Kasaragod	4602	2616	195	7413	2		2	7417	10	98	179	287	7704
15. State	116540	161978	43850	322368	2902	1947	2658	329875	712	2039	5440	8191	338066

(Area in hectares)

Table 2 (contd.)

District	Sugar crops			Spices and condiments												Grand Total
	Sugar-cane	Palmyrah	Total	Pepper	Green Chillies	Ginger	Turmeric	Cardamom	Areca nut	Tamarind	Cloves	Nutmeg	Cinnamon	Garlic	Total	
1	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1. Thiruvananthapuram	1	149	150	6376	18	121	30	4	1106	1432	62	41			9190	9340
2. Kollam	6	21	27	11381	118	732	298	7	2382	756	30	49	10		15763	15790
3. Pathanamthitta	142	56	198	5613		482	69	664	1345	298	60	240	15		8786	8984
4. Alappuzha	104	34	138	2054	41	180	15		2389	537	18	120	19		5373	5511
5. Kottayam	34	393	427	9139	9	256	197	200	1587	423	102	576	23		12512	12939
6. Idukki	1344	214	1558	60537	3	1694	349	32668	3942	399	242	587	44	293	100758	102316
7. Ernakulam	12	268	280	7941	71	462	639		4662	956	55	3094	18		17898	18178
8. Thrissur	2	222	224	4174	120	123	97		7179	2360	44	2265	10		16372	16596
9. Palakkad	1610	3159	4769	5063	177	1452	799	2754	4026	6389	15	99	56		20830	25599
10. Malappuram	7	836	843	8996	17	212	241	70	17735	2678	38	213	24		30224	31067
11. Kozhikode	1	299	300	12775		297	424	220	11189	1023	35	176	23		26162	26462
12. Wayanad	4	130	134	40088	3	4192	137	4106	6636	150	15	27	18		55372	55506
13. Kannur		106	106	23341	1	345	174	128	14436	1192	18	75	20		39730	39836
14. Kasaragod		49	49	6478	114	158	89	515	14579	318	20	39	5		22315	22364
15. State	3267	5936	9203	203956	692	10706	3558	41336	93193	18911	754	7601	285	293	381285	390488

Table 2 (contd.)

Districts	Fresh fruits										Dry fruit		Total fruits
	Jack	Mango	Banana	Other plantain	Pineapple	Pappaya	Other fresh fruits	Total	Cashew	Total			
	31	32	33	34	35	36	37	38	39	40			
1. Thiruvananthapuram	6780	5161	2333	5278	329	965	567	21413	2461	23874			
2. Kollam	6436	5715	1613	4391	590	1076	396	20217	4772	24989			
3. Pathanamthitta	2998	1746	2083	2536	257	597	796	11013	1137	12150			
4. Alappuzha	3145	5436	553	2542	90	1044	903	13713	4472	18185			
5. Kottayam	4617	3131	3260	3653	572	1119	832	17184	765	17949			
6. Idukki	6071	2668	1567	3378	1440	738	813	16675	1350	18025			
7. Ernakulam	4708	4614	5447	4957	6114	1475	931	28246	1468	29714			
8. Thrissur	5183	6995	2828	6120	337	1391	1435	24289	3719	28008			
9. Palakkad	5098	8709	7414	5671	132	1205	1198	29427	5947	35374			
10. Malappuram	9561	10793	8420	4369	360	2214	1329	37046	10953	47999			
11. Kozhikode	11090	10920	1949	3358	380	1695	955	30347	4099	34446			
12. Wayanad	10980	5138	10174	1915	45	411	731	29394	1536	30930			
13. Kannur	14111	12374	2480	3948	408	1497	1046	35864	27103	62967			
14. Kasaragod	2694	2908	750	3067	105	589	697	10810	19936	30746			
15. State	93472	86308	50871	55183	11159	16016	12629	325638	89718	415356			

Table 2 (contd.)

Districts	Vegetables													Total food crops			
	Drumstick	Tubers	Sweet potato	Tapioca			Total	Bitter gourd	Snake gourd	Ladies finger	Brinjal	Amaranthis	Other vegetables		Thuvara	Muthira	Total vegetables
				Autumn	Winter	Summer											
1	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
1. Thiruvananthapuram	2409	2282	35	5949	7180	11956	25085	138	187	30	21	175	601			30963	71638
2. Kollam	1729	5358	2	3561	11992	10561	26114	139	28	48	75	135	729			34357	86939
3. Pathanamthitta	656	2685		957	3445	4431	8833	77	85	25	77	32	893			13363	39761
4. Alappuzha	936	1842	4	166	1929	2272	4367	110	64	28	55	145	622			8173	65062
5. Kottayam	943	1712	12	1134	2928	3718	7780	320	241	20	75	43	1010			12156	59094
6. Idukki	618	3216	7	662	3987	3575	8224	659	1	4	19	22	3893	12		16675	142081
7. Ernakulam	978	1004	13	1228	1629	2920	5777	199	77	40	21	69	1253			9431	92371
8. Thrissur	1439	732	1	316	352	737	1405	87	33	66	20	56	664			4503	86444
9. Palakkad	1923	2697	257	1104	2525	2020	5649	279	39	696	234	233	6436	2310	434	21187	206484
10. Malappuram	2944	2140	251	2235	1908	3063	7206	186	64	90	43	36	2655			15615	118016
11. Kozhikode	3168	1533	15	822	1395	2094	4311	47	1	12		26	557			9670	77301
12. Wayanad	820	1233	9	148	482	1062	1692	108	2	4	3	26	589			4486	104030
13. Kannur	1960	1156	34	308	1773	1339	3420	92	7	22	15	95	793			7594	122048
14. Kasaragod	760	301	107	53	800	473	1326	48	4	31	11	27	695		16	3326	64140
15. State	21283	27891	747	18643	42325	50221	111189	2489	833	1116	669	1120	21390	2322	450	191499	1335409

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Table 2 (contd.)

District	Non food crops										TOTAL					
	Oil seeds					Fibre drugs and narcotics						Plantation crops				
	Ground-nut	Sesamum	Coconut	Others	Total	Cotton	Betal leaves	Toba-cco	Lemon-grass	Total		Tea	Coffee	Rubber	Cocoa	Total
1	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73
1. Thiruvananthapuram		1	88604	55	88660		36			36	965		28296	134	29395	118091
2. Kollam		93	74956	31	75080		57		1	58	1258		36863	26	38147	113285
3. Pathanamthitta		2	22696	28	22726		68		1	69	91		47862	778	48731	71526
4. Alappuzha		140	57047	167	57354		58			58			3849	182	4031	61443
5. Kottayam			39429	39	39468		15			15	2168		111301	1720	115189	154672
6. Idukki		7	25603	36	25646				1156	1156	24792	+12635	38123	3363	78913	105715
7. Eranakulam		192	62684	107	62983		42		1	43	2		56710	1335	58047	121073
8. Thrissur		31	85480	210	85721		29			29	530		13402	139	14071	99821
9. Palakkad	2437	93	50568	1103	54201	3760	6		4	3770	852	4650	28985	33	34520	92491
10. Malappuram		293	104171	145	104609		582			582	192		29263	52	29507	134698
11. Kozhikode		4	130100	12	130116		20		6	26			17575	458	18033	148175
12. Wayanad		18	11383	3	11404				183	183	6049	67510	6450	141	80150	91737
13. Kannur		4	95712	138	95854		5		76	81			34012	206	34218	130153
14. Kasaragod			57285	37	57322		26	71	4	101			22348	109	22457	79880
15. State	2437	878	905718	2111	911144	3760	944	71	1432	6207	36899	84795	475039	8676	605409	1522760

+ Includes Kottayam district

Table 2 (contd.)

Districts	Fodder grass	Green manure crops	Other non food crops	Kacholam	Total	Total non food crops	Total cropped area
1	74	75	76	77	78	79	80
1. Thiruvananthapuram	106	355	3488		3949	122040	193678
2. Kollam	249	797	3124		4170	117455	204394
3. Pathanamthitta	116	893	4199		5208	76734	116495
4. Alappuzha	122	405	3095		3622	65065	130127
5. Kottayam	141	361	6662	19	7183	161855	220949
6. Idukki	1575	709	26096	4	28384	134099	276180
7. Eranakulam	145	414	4631	73	5263	126336	218707
8. Thrissur	16	1258	4044		5318	105139	191583
9. Palakkad	333	2180	19225	1	21739	114230	320714
10. Malappuram	27	5560	7932	14	13533	148231	266247
11. Kozhikode	53	1820	3547	5	5425	153600	230901
12. Wayanad	167	451	5009		5627	97364	201394
13. Kannur	154	866	15244	1	16265	146418	268466
14. Kasaragod	37	1259	7101		8397	88277	152417
15. State	3241	17328	113397	117	134083	1656843	2992252

Table 3 – Production of important crops 2001-2002

Name of district	Rice				Jowar	Ragi	Other cereals	Sugar-cane	Black pepper	Green chillies	Pulses	Cured ginger	Cr red turneric	Ground nut
	Autumn	Winter	Summer	Total										
	2	3	4	5										
1. Thiruvananthapuram	7335	7345	6	14686	6	7	8	9	10	11	12	13	14	15
2. Kollam	11232	13682	19	24933				10	1642	18	149	441	60	
3. Pathanamthitta	1729	4911	6215	12855				62	4275	118	627	1762	418	
4. Alappuzha	2390	47741	22668	72799				694	1455		37	1351	117	
5. Kottayam	4226	17601	12824	34651				708	196	41	71	308	20	
6. Idukki	2593	6836	1297	10726		9	174	164	1372	9	691	746	520	
7. Ernakulam	22370	26486	10867	59723				11352	24560	3	364	6026	703	
8. Thrissur	19830	48590	15861	84281				151	1219	64	1534	1399	1456	
9. Palakkad	129463	119346	20493	269302				20	589	120	232	353	225	
10. Malappuram	13313	25638	5108	44059	1474	1564	1890	13696	723	191	877	6478	2152	1812
11. Kozhikode	748	6082	1483	8313	3	2		71	616	17	501	426	348	
12. Wayanad		24725	7351	32076				10	2722		240	1028	964	
13. Kannur	10557	8392	514	19463	2			40	13083	3	193	18084	244	
14. Kasaragod	10052	5259	326	15637	1		1		4412	1	542	1188	445	
15. State	235838	362634	105032	703504	1480	1575	2065	26978	58240	692	6281	40181	7895	1812

Table 3 (contd.)

District	Arecanut betel nuts (Ton.)	Tama- rind	Mango	Jack (Nos million nuts)	Banana	Other plantain	Pine- apple	Tapioca	Sweet potato	Pappaya	Drum- stick	Sesa- mum	Coconut (million nuts)
1. Thiruvananthapuram	16	17	18	19	20	21	22	23	24	25	26	27	28
2. Kollam	493	4368	26667	30	13637	40824	2282	455574	397	6355	3885	1	627
3. Pathanamthitta	1321	1546	25117	26	12400	33582	4381	559896	22	1000	3162	44	425
4. Alappuzha	1071	568	11880	14	15173	21837	1503	199315		3298	674		124
5. Kottayam	792	1027	17645	6	3372	14573	297	72694	48	5193	1044	36	280
6. Idukki	725	809	14362	19	25831	32041	3673	201964	96	8060	518		180
7. Ernakulam	3432	691	13524	20	13252	36507	13995	261523	80	1838	812	2	96
8. Thrissur	3607	1020	14959	17	38650	33835	47390	143424	146	7141	766	82	343
9. Palakkad	6584	2203	21698	17	17361	29425	2349	27823	11	6083	1953	8	545
10. Malappuram	4007	7883	38224	23	66041	47915	817	133313	2370	7989	2557	34	284
11. Kozhikode	11085	3472	33081	26	55835	24944	1647	166980	2888	9563	3080	70	599
12. Wayanad	12830	2282	15474	28	14909	20949	2454	71503	171	1102	1262	1	895
13. Kannur	2682	294	9269	18	75264	16210	197	58724	105	2744	662	6	39
14. Kasaragod	14237	2274	49434	52	17736	19325	2002	73011	386	8018	1495		604
15. State	21813	858	14211	12	6442	21215	886	30136	1952	3625	1137		438
	84681	29295	305545	308	375903	393182	83873	2455880	8672	72009	23007	284	5479

Table 3 (contd.)

District	Cotton (No. of bales of 170Kg. Each)	Nutmeg	Tobacco	Lem on- grass	Tea *	Coffee **	Rubber ***	Cocoa	Processed cardamom @	Raw cashew nuts	Betel leaves	Clove (dry)	Garlic
1	29	30	31	32	33	34	35	36	37	38	39	40	41
1. Thiruvananthapuram		11			124		33586	48	neg	988	6441	4	
2. Kollam		12		neg	+367		46854	11	neg	3756	2196	2	
3. Pathanamthitta		61		neg			62502	334	77	524	12167	4	
4. Alappuzha		31					4114	112		1355	10379	2	
5. Kottayam		149			245		140543	761	24	229	2683	8	
6. Idukki		151		76	46439	++9130	45260	1689	7788	547		16	4981
7. Eranakulam		827		neg			73219	667		724	7514	4	
8. Thrissur		482			1687		19762	52		1525	5188	3	
9. Palakkad	6069	26		3	1973	3450	31759	21	190	2262	1074	1	
10. Malappuram		54					32904	39	1	4941	111040	2	
11. Kozhikode		45		neg			22884	227	neg	2306	3578	2	
12. Wayanad		8		3	15255	54110	4038	43	300	627		2	
13. Kannur		20		2			38800	67	neg	24087	894	1	
14. Kasaragod		11	395	neg			24125	25	neg	21996	4652	1	
15. State	6069	1888	395	84	66090	66690	580350	4096	8380	65867	167806	52	4981

* Tea Board figures related 2001-2002. ** Coffee Board figures related 2001-2002. *** Rubber Board figures related 2001-2002.

@ Spices Board figures related 2001-2002. +Includes Pathanamthitta District

++Includes Kottayam District.

Table 4 - Estimated area and Production of Rice – Autumn 2001-2002.

Slno	Name of District	High Yielding						Area in Hectares, Production in Tonnes.					
		Irrigated		Unirrigated		Total		Irrigated		Unirrigated		Total	
		Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Thiruvananthapuram	221	544	2805	6153	3026	6697	261	566	33	72	294	638
2.	Kollam	-	-	5074	11062	5074	11062	-	-	92	170	92	170
3.	Pathanamthitta	-	-	730	1621	730	1621	-	-	58	108	58	108
4.	Alappuzha	556	1321	487	618	1043	1939	-	-	554	451	554	451
5.	Kottayam	1353	2914	219	528	1572	3442	27	58	338	726	365	784
6.	Idukki	-	-	1063	2593	1063	2593	-	-	-	-	-	-
7.	Ernakulam	5599	11115	3878	7550	9477	18665	15	31	2329	3674	2344	3705
8.	Thrissur	62	133	6948	15014	7010	15147	81	151	2493	4532	2574	4683
9.	Palakkad	8858	24472	27076	58572	35934	83044	2837	8107	18691	38312	21528	46419
10.	Malappuram	85	164	5687	11550	5772	11714	84	129	970	1470	1054	1599
11.	Kozhikode	-	-	369	548	369	548	-	-	232	200	232	200
12.	Wayanad	-	-	-	-	-	-	-	-	-	-	-	-
13.	Kannur	-	-	4516	8351	4516	8351	-	-	1315	2206	1315	2206
14.	Kasaragod	148	419	3019	7111	3167	7530	83	203	1310	2319	1393	2522
15.	State	16882	41082	61871	131271	78753	172353	3388	9245	28415	54240	31803	63485

Excluding flood the affected area

Table 5 - Estimated area and Production of Rice – Winter 2001-2002.

Slno	Name of District	Area in Hectares, Production in Tonnes.											
		High Yielding						Local Varieties					
		Irrigated		Unirrigated		Total		Irrigated		Unirrigated		Total	
		Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Thiruvananthapuram	304	556	2255	5178	2559	5734	122	151	785	1450	907	1611
2.	Kollam	1	0	1812	4227	1813	4227	-	-	4375	9455	4375	9455
3.	Pathanamthitta	787	1897	357	873	1144	2770	891	1959	83	182	974	2141
4.	Alappuzha	16072	45886	301	424	16373	46310	26	50	1120	1381	1146	1431
5.	Kottayam	6933	17026	11	23	6944	17049	263	518	18	34	281	552
6.	Idukki	2122	5346	117	266	2239	5612	490	1135	41	89	531	1224
7.	Eranakulam	12242	22779	345	561	12587	23340	1525	2725	279	421	1804	3146
8.	Thrissur	11163	29497	187	335	11350	29832	9123	17617	601	1141	9724	18758
9.	Palakkad	28783	69566	2249	5007	31032	74573	12568	30024	7504	14749	20072	44773
10.	Malappuram	4438	9511	1151	2388	5589	11899	4386	7376	4048	6363	8434	13739
11.	Kozhikode	431	677	675	1045	1106	1722	406	602	3366	3758	3772	4360
12.	Wayanad	158	422	6183	16411	6341	16833	-	-	3562	7892	3562	7892
13.	Kannur	2493	5047	126	155	2619	5202	1887	3051	197	139	2084	3190
14.	Kasaragod	1018	2292	-	-	1018	2292	1598	2967	-	-	1598	2967
	State	86945	210502	15769	36893	102714	247395	33285	68175	25979	47064	59264	115239

Table 6 - Estimated area and Production of Rice - Summer 2001-2002.

Area in Hectares, Production in Tonnes.

Slno	Name of District	High Yielding						Local Varieties					
		Irrigated		Unirrigated		Total		Irrigated		Unirrigated		Total	
		Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Thiruvananthapuram	8	6	-	-	8	6	-	-	-	-	-	-
2.	Kollam	8	19	-	-	8	19	-	-	-	-	-	-
3.	Pathanamthitta	2299	6215	-	-	2299	6215	-	-	-	-	-	-
4.	Alappuzha	8741	22668	-	-	8741	22668	-	-	-	-	-	-
5.	Kottayam	5968	12824	-	-	5968	12824	-	-	-	-	-	-
6.	Idukki	355	845	66	151	421	996	134	301	-	-	134	301
7.	Ernakulam	6393	10416	-	-	6393	10416	300	451	-	-	300	451
8.	Thrissur	5707	15326	-	-	5707	15326	422	535	-	-	422	535
9.	Palakkad	5645	16170	-	-	5645	16170	1693	4323	-	-	1693	4323
10.	Malappuram	1661	5022	-	-	1661	5022	62	86	-	-	62	86
11.	Kozhikode	413	751	222	436	635	1187	219	272	18	24	237	296
12.	Wayanad	2767	7006	58	115	2825	7121	103	208	24	22	127	230
13.	Kannur	296	431	-	-	296	431	73	83	-	-	73	83
14.	Kasaragod	14	29	-	-	14	29	181	297	-	-	181	297
15.	State	40275	97728	346	702	40621	98430	3187	6556	42	46	3229	6602

Table 7 - Estimated Productivity of Crops - 2001-2002.

Name of District	Paddy			Cocunut in No.s	Arecanut	Tapioca	Raw Cashew nuts	Black Pepper	Banana	Plantain	Jack (in Nos)	in Kgs/hectar.	
	Autumn	Winter	Summer									Cocoa	Sesamum
	2	3	4									5	6
1. Thiruvananthapuram	3347	3226	1142	7076	446	18161	401	258	5845	7735	4425	358	1000
2. Kollam	3248	3365	3655	5670	555	21440	787	376	7688	7648	4040	423	473
3. Pathanamthitta	3285	3529	4115	5464	796	22565	461	259	7284	8611	4670	429	
4. Alappuzha	531	4148	3947	4908	332	16646	303	95	6098	5733	1908	615	257
5. Kottayam	3127	3708	3271	4565	457	25959	299	150	7924	8771	4115	442	
6. Idukki	3713	3756	3557	3750	871	31800	405	406	8457	10807	3294	502	286
7. Ernakulam	2880	2801	2471	5472	774	24827	493	154	7096	6826	3611	500	427
8. Thrissur	3077	3509	3939	6376	917	19803	410	141	6139	4808	3280	374	258
9. Palakkad	3429	3555	4251	5616	995	23599	380	143	8908	8449	4512	636	366
10. Malappuram	2933	2783	4512	5750	625	23172	451	68	6631	5709	2719	750	239
11. Kozhikode	1746	1898	2589	6879	1147	16586	563	213	7650	6239	2525	496	250
12. Wayanad		3800	3790	3426	404	34707	408	326	7398	8465	1639	305	333
13. Kannur	2717	2716	2120	6311	986	21348	889	189	7152	4895	3685	325	
14. Kasaragod	3325	3060	2545	7646	1496	22727	1103	212	8589	6917	4454	229	
15. State	3080	3408	3646	6049	909	22087	734	286	7389	7125	3295	472	323

Table 8 – Net area irrigated (Source-wise) 2001-2002

(Area in Hectares)

District	Government canal	Private canal	Government tanks	Private tanks	Government wells	Private wells	Minor lift irrigation	Other sources	Tube wells	Total
1	2	3	4	5	6	7	8	9	10	11
1. Thiruvananthapuram	2290	267	466	81		406	2	289		3801
2. Kollam	35	53	2	228		942		202		1462
3. Pathanamthitta	886			96	7	656	105	3004	4	4758
4. Alappuzha	5381	6	2	10449		284		21167	5204	42493
5. Kottayam	1522	15		139		664		13292		15632
6. Idukki	5053	241	253	3175	3	994		4242		13961
7. Ernakulam	14361	46	160	2310	29	9980	2921	7903	10405	48115
8. Thrissur	18966	253	580	8282	179	16169	2991	11325	14825	73570
9. Palakkad	43038	1293	116	4265		14630	580	11022	8	74952
10. Malappuram	707	368	205	3849		11283	831	9620		26863
11. Kozhikode	904	228		434		1955	146	742		4409
12. Wayanad	411	938	10	49		30		2863	3	4304
13. Kannur	1716	635	110	1698	5	7963	5	5730		17862
14. Kasaragod		70	58	12928		20118		11806		44980
15. State	95270	4413	1962	47983	223	86074	7581	103207	30449	377162

Table 9 – Gross area under irrigation (crop-wise) 2001-2002

Districts	[Area in Hectares]											
	Paddy	Tubers	Vege- tables	Coconut	Arecanut	Cloves	Nutmeg	Other spices & condiments	Banana	Betel leaves	Sugar cane	Other trees
1	2	3	4	5	6	7	8	9	10	11	12	13
1. Thiruvananthapuram	916	35	719	454	9	62	41	62	2114	36	1	1232
2. Kollam	9	20	1194	1128	57	30	49	21	456	57	6	750
3. Pathanamthitta	3977	8	572	278	18	22	80	13	514	68	142	58
4. Alappuzha	25395	556	701	16550	192	18	120	627	207	58	104	773
5. Kottayam	14544	20	491	226	28	82	361	141	240	15	34	812
6. Idukki	3101	11	43	156	27	39	97	270	101		1344	613
7. Ernakulam	26074	11	501	14662	1522	18	957	135	3616	42	12	784
8. Thrissur	26558	47	811	48893	6064	5	212	718	2460	29	2	875
9. Palakkad	60384	24	1284	19185	2388	14	79	730	4713	6	1610	2642
10. Malappuram	10716	167	1428	12918	5589	8	50	124	4640	582	7	1118
11. Kozhikode	1469	13	491	3362	434	7	24	8	1055	20	1	1218
12. Wayanad	3028	3	175	27	55	5	23	8	2599		4	1028
13. Kannur	4749	38	128	10280	2454	9	46	118	1099	5		1075
14. Kasaragod	3072	19	434	29931	12630	14	31	134	558	26		1591
15. State	183992	972	8972	158050	31467	333	2170	3109	24372	944	3267	14569

49

