

97 no. 1530



Government of Kerala

Agricultural Statistics

1999-2000

Department of Economics & Statistics
Thiruvananthapuram

May 2001

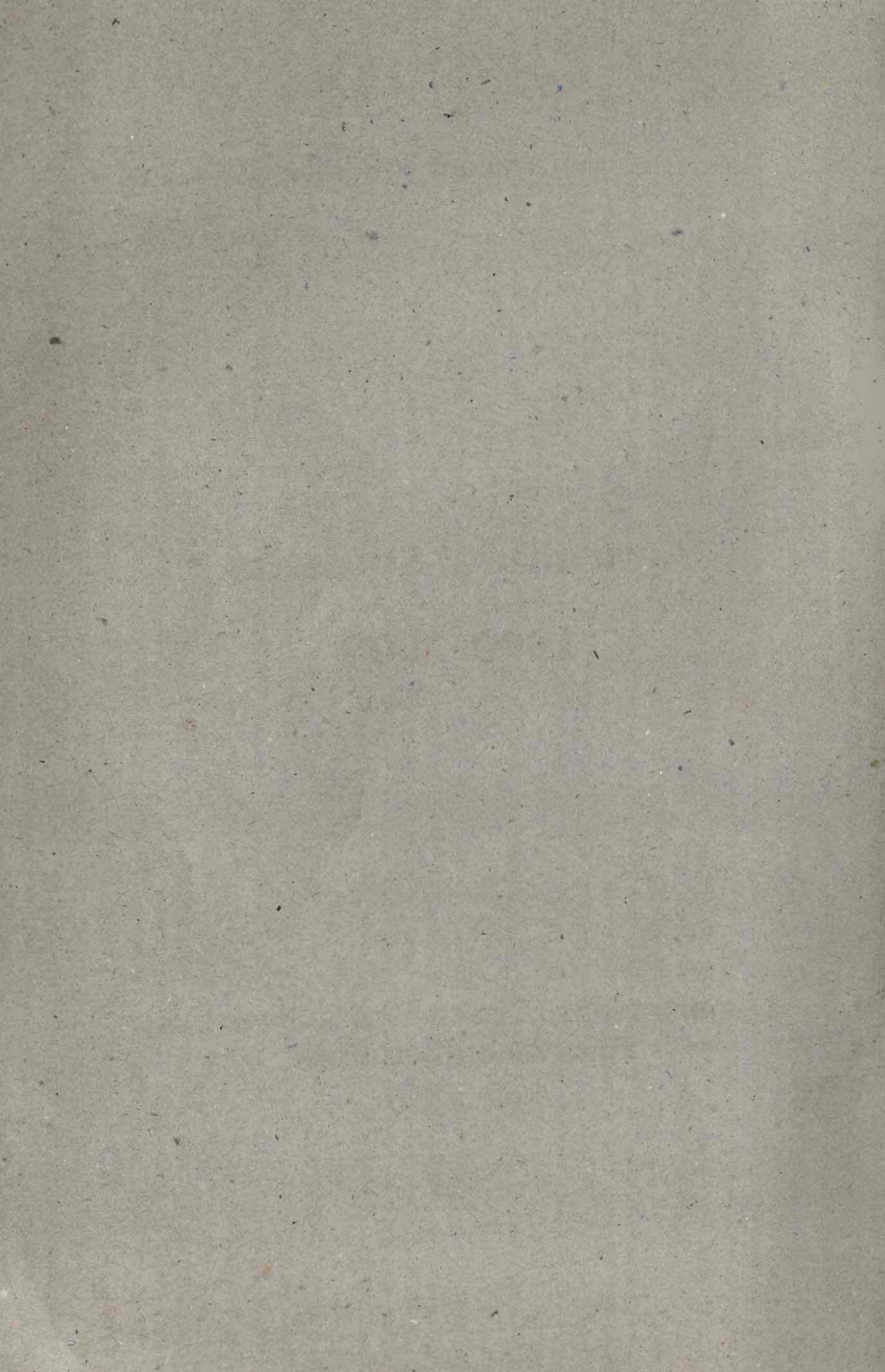
Government of Kerala

Agricultural Statistics

1999-2000

**Department of Economics & Statistics
Thiruvananthapuram**

May, 2001



Preface

Kerala, being a Non Land Record State, Agricultural Statistics are collected through the sample survey conducted every year under the Central scheme – Establishment of an agency for Reporting Agricultural Statistics (EARAS) from 1975-1976 onwards. The data collected through the sample survey are utilised for estimation of area under agricultural crop, crop production, yield rate, land utilization statistics, irrigation statistics etc. Prior to the introduction of scheme EARAS, the Agricultural Statistics and land utilization statistics were collected through land utilization surveys conducted by the department of Economics and Statistics. Considering the role and importance of Agricultural sector in the overall socioeconomic development of the state, the department of Economics and Statistics bringing out annual publication Agricultural Statistics. The present report - Agricultural Statistics 1999-2000 deals with the results of the sample survey conducted in Kerala during the period from 01.07.1999 to 30.06.2000. Attempts have been made to include the data on productivity of important crops and irrigation statistics of paddy crop according to seed variety as, afresh, in this report.

The fieldwork of the survey was conducted by Investigators under immediate supervision and guidance of Taluk/District level officers of the department of Economics and Statistics. The overall supervision and technical guidance were carried out by the state level officers. The processing of data and preparation of Agricultural Statistics Division of the Directorate of Economics and Statistics.

I hope this report will be useful to those engaged and interested in Agricultural Sector and the planners and Administrators and Researchers in this field. Suggestions for improvement are always welcome.

A. Meera Sahib
Director

Thiruvananthapuram

28th May, 2001

Agricultural Statistics 1999-2000

Agricultural Statistics, specifically estimates of area under crops, crop production, productivity of major Agricultural crops, Land utilization etc. of Kerala are published by the Department of Economics and Statistics every year from the very early time. Initially the data collected through the land utilization survey was utilised for preparation of Agricultural Statistics in Kerala. But the quality of data and estimates were inadequate on account on account of small sampling fraction and small 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 implemented by the Department of Economics and Statistics in 1975-76 onwards. Originally the scheme was intended to collect Agricultural Statistics from 20% of the selected village in each year in a phased manner and in the whole state. With the introduction of Crop Insurance Scheme by the Government of India, estimates of agricultural crop production at smaller level, average yield and yield rate become necessary. To serve the purpose, the EARAS scheme was further revised in 1987-88 with an objective to prepare district level estimates with break up for Block/Municipality/Corporation. While decentralized planning commenced in the state, Agricultural Statistics and Land use Statistics at Grama/Block Panchayat were necessitated. Accordingly in 1993-94 the Investigator Zones are re-organized by suiting the villages to Panchayat, so as to enable to generate reliable Panchayat level Statistics. The estimate of area under the crop and yield rate of the crop are the most important components in the estimates of crop production. The area statistics are collected through the Area Enumeration Survey while the yield rates are obtained through the 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 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 a stratum as first stage unit of sampling, selected clusters of each Investigator Zone the second stage unit, and the selected survey number of the plot will be the ultimate unit of sampling.

Sampling Size:

In each Investigator Zone 100 clusters of five-survey sub division as in the basic Tax Register will be selected from village records for the survey. These 100 clusters will be allocated among the dry land and wet land in proportion to area under these categories in the zone. 100 key survey numbers to form the 100 clusters will be selected using circular systematic sampling method.

The Investigators will form a cluster identifying the adjacent 4 or more survey numbers 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, horticulture 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 1999-2000 under the scheme EARAS in the state of Kerala.

Agricultural Statistics 1999-2000

Table 1 – Classification of area under land utilization

Sl 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
1	Thiruvananthapuram	218600	49861	22564	502	8	69	448	432	930	143786	53705	197491	
2	Kollam	251838	81438	21705	256	3	103	698	949	3384	143302	69309	212611	
3	Pathanamthitta	268750	155214	14986	446		90	282	468	3547	93717	18564	112281	
4	Alappuzha	136058		22894	192		175	2513	3796	5835	100653	38295	138948	
5	Kottayam	219550	8141	24840	1418		131	1660	3194	5271	174895	45761	220656	
6	Idukki	514962	260907	14982	4136	155	5888	3132	1000	1762	223000	41726	264726	
7	Eranakulam	235319	8123	39855	1120	16	281	4594	3258	6752	171320	56052	227372	
8	Thrissur	299390	103619	32321	494	27	821	3087	3555	7936	147530	50986	198516	
9	Palakkad	438980	136257	43891	3402	1	1794	16622	6570	13267	217176	87331	304507	
10	Malappuram	363230	103417	32533	2932		955	4596	3670	11368	203759	60685	264444	
11	Kozhikode	233330	41386	23436	1393	5	665	863	883	2111	162588	69719	232307	
12	Wayanad	212560	78787	11647	338	22	1046	1735	949	2743	115293	93768	209061	
13	Kannur	296797	48734	28978	3693	16	1929	4741	2095	4032	202579	67670	270249	
14	Kasaragod	196133	5625	19758	8562		4568	13308	1319	3228	139765	8770	148535	
15	State	3885497	1081509	354390	28884	253	18515	58279	32138	72166	2239363	762341	3001704	

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 1999--2000

(Area in hectares)

District	Paddy			Total	Jowar	Ragi	Other cereals	Total cereals/milletts	Pulses including Tur			Total	Total food grains
	Autumn	Winter	Summer						Autumn	Winter	Summer		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Thiruvananthapuram	3705	4214	50	7969				7969	52	71	927	1050	9019
2. Kollam	7649	9767	10	17426				17426	66	16	553	635	18061
3. Pathanamthitta	1000	2680	3036	6716				6716	3	10	28	41	6757
4. Alappuzha	8233	10689	16404	35326				35326	1	25	93	119	35445
5. Kottayam	3405	5588	6829	15822				15822	3	7	918	928	16750
6. Idukki	866	2389	385	3640		33	90	3763	38	271	366	675	4438
7. Ernakulam	15467	17690	9737	42894				42894	212	101	1708	2021	44915
8. Thrissur	11343	23622	7922	42887				42887	261	63	208	532	43419
9. Palakkad	51685	50730	7289	109704	2528	837	1736	114805	464	1208	190	1862	116667
10. Malappuram	5844	15440	2211	23495				23495	51	50	298	399	23894
11. Kozhikode	681	4897	917	6495				6495	282	46	230	558	7053
12. Wayanad	Nil	14554	2750	17304	1		5	17310		17	421	438	17748
13. Kannur	6898	4548	264	11710				11710	4	791	543	1338	13048
14. Kasaragod	4749	3420	217	8386				8386	20	196	173	389	8775
15. State	121525	170228	58021	349774	2529	870	1831	355004	1457	2872	6656	10985	365989

Table 2 (contd.)

District	Sugar crops			Spices and condiments													Grand Total
	Sugar-cane	Palmyrah	Total	Pepper	Chillies	Ginger	Turmeric	Cardamom	Areca nut	Tamarind	Cloves	Nutmeg	Cinnamon	Garlic	Total		
1. Thiruvananthapuram	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
2. Kollam	0	168	168	5775	5	77	52	-	904	1432	93	50	0	-	8388	8556	
3. Pathanamthitta	230	19	19	10170		480	184		2235	879	48	50	7		14053	14072	
4. Alappuzha	92	42	272	4224	3	442	103	664	1213	246	87	194	13		7189	7461	
5. Kottayam	81	44	136	1943	0	125	11		2308	522	28	126	26	0	5089	5225	
6. Idukki	2624	340	421	8499	3	163	196	200	1215	403	123	485	22		11309	11730	
7. Ernakulam	15	244	2868	57211		1711	416	32667	3348	341	220	498	39	849	97300	100168	
8. Thrissur	1	255	270	7002		469	505		3964	899	101	2632	22		15594	15864	
9. Palakkad	2713	260	261	3861		112	125		6355	2038	77	1847	12		14427	14688	
10. Malappuram	4	3237	5950	4844	139	1191	771	2919	3786	6236	10	67	49		20012	25962	
11. Kozhikode	13	1026	1030	7885		200	309	70	15894	3047	42	242	20		27709	28739	
12. Wayanad	1	284	297	11869		287	747	220	10139	1078	51	164	19		24574	24871	
13. Kannur	4	144	145	44771		5520	159	4108	5212	183	8	13	14		59988	60133	
14. Kasaragod	2	132	136	23301	13	358	323	128	12630	1348	25	126	36		38288	38424	
15. State	5780	77	79	7051	149	129	70	515	12738	270	13	26	1	849	20962	21041	
		6272	12052	198406	312	11264	3971	41491	81941	18922	926	6520	280	849	364882	376934	

Table 2 (contd.)

Districts	Fresh fruits								Dry fruits	
	Jack	Mango	Banana	Other plantain	Pineapple	Pappaya	Other fresh fruits	Total	Cashew	Total fruits
1	31	32	33	34	35	36	37	38	39	40
1. Thiruvananthapuram	6464	6957	1599	5877	262	863	498	22520	2804	25324
2. Kollam	6611	6014	1489	4128	185	917	377	19721	4604	24325
3. Pathanamthitta	2834	1527	1669	2053	207	481	646	9417	1044	10461
4. Alappuzha	3191	5833	536	3544	101	978	920	15103	4909	20012
5. Kottayam	4308	2720	2655	4259	502	901	651	15996	701	16697
6. Idukki	5467	2630	1138	3736	1283	530	743	15527	1341	16868
7. Ernakulam	4413	4977	4200	4232	5174	1150	1092	25238	1576	26814
8. Thrissur	5175	6795	2791	5332	303	1112	1614	23122	4101	27223
9. Palakkad	4988	7535	5279	4268	124	1020	987	24201	5854	30055
10. Malappuram	8868	11426	7049	3828	353	1756	1149	34429	10982	45411
11. Kozhikode	11102	11307	1667	3259	390	1451	1203	30379	3863	34242
12. Wayanad	12477	5859	6342	1946	63	362	792	27841	1561	29402
13. Kannur	14740	14360	1840	4347	439	1223	1150	38099	26101	64200
14. Kasaragod	2606	2530	792	2443	98	446	775	9690	19962	29652
15. State	93244	90470	39046	53252	9484	13190	12597	311283	89403	400686

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											
I	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
1. Thiruvananthapuram	2490	1841	47	5852	7272	12857	25981	112	150	28	6	78	552			31285	74184
2. Kollam	1696	6256	1	3165	10672	11841	25678	77	19	212	58	676	446			35119	91577
3. Pathanamthitta	577	3617		603	3028	3246	6877	107	109	25	56	40	811			12219	36898
4. Alappuzha	924	2402	2	232	2149	2143	4524	167	88	17	31	152	720			9027	69709
5. Kottayam	908	1229		417	4097	3231	7745	327	256	14	15	30	1083			11607	56784
6. Idukki	534	1834	17	361	3926	3488	7775	433	4	3	9	11	3892	6		14518	135992
7. Ernakulam	877	1310	8	688	1318	3125	5131	173	119	58	25	92	877			8670	96263
8. Thrissur	1106	895		274	339	914	1527	116	18	58	17	86	988			4811	90141
9. Palakkad	1528	3194	519	869	2532	2972	6373	260	105	331	212	51	3818	3894	1057	21342	194026
10. Malappuram	2462	2054	252	2177	1984	4330	8491	64	12	29	13	28	2862		1	16268	114312
11. Kozhikode	3109	1984	36	1062	1519	2343	4924	24	6	13	2	32	780			10910	77076
12. Wayanad	835	2170	3	140	345	1135	1620	115		3	9	11	759			5525	112808
13. Kannur	1654	938	26	342	1992	1662	3996	122		29	11	93	1088		7	7964	123636
14. Kasaragod	546	268	78	135	813	332	1280	35	3	27	12	26	848		3	3126	62594
15. State	19246	29992	989	16317	41986	53619	111922	2132	889	847	476	1406	19524	3900	1068	192391	1336000

Table 3 – Production of important crops 1999-2000

Name of district	(Production in tonnes)														
	Rice					Jowar	Ragi	Other cereals	Sugar-cane	Black pepper	Dry chillies	Pulses	Cured ginger	Cured turmeric	Ground nut
	Autumn	Winter	Summer	Total	5										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1. Thiruvananthapuram	8206	9259	85	17550					1377	5	240	254	118		
2. Kollam	15737	19333	13	35083					3269		1157	1213	274		
3. Pathanamthitta	1967	6005	10667	18639				1124	912	3	33	1295	169		
4. Alappuzha	24776	27593	39718	92087				289	242		104	333	13		
5. Kottayam	8984	13127	19320	41431				381	777	3	801	458	413		
6. Idukki	2215	5719	1122	9056		27	70	22164	13629		557	7369	1000		
7. Ernakulam	31401	33858	17067	82326				189	906		1447	1592	864		
8. Thrissur	21488	51132	19589	92209				10	563		380	284	177		
9. Palakkad	106137	123292	21482	250911	1287	677	1350	33473	818	149	1403	3433	1498	5144	
10. Malappuram	10230	25677	6210	42117				40	914		297	509	453		
11. Kozhikode	857	6323	1540	8720				130	1806		423	749	1639		
12. Wayanad		37783	6978	44761			3	10	17332		334	21965	446		
13. Kannur	11598	7868	334	19800				65	3430	11	1093	1395	1178		
14. Kasaragod	9280	6290	426	15996				7	1568	139	302	495	120		
15. State	252876	373259	144551	770686	1287	704	1423	57882	47543	310	8571	41344	8362	5144	

Table 3 (contd.)

District	16	17	18	19	20	21	22	23	24	25	26	27	28
	Arecanut betel nuts (Ton.)	Tama- rind	Mango	Jack (Nos in million nuts)	Banana	Other plantain	Pine- apple	Tapioca	Sweet potato	Pappaya	Drum- stick	Sesa- mum	Coconut (million nuts)
1. Thiruvananthapuram	467	4368	22201	26	16134	41303	1472	530595	533	5683	4016		608
2. Kollam	1442	1798	22189	26	15742	29507	1582	470705	11	853	3101	166	399
3. Pathanamthitta	1105	469	10381	11	16865	19907	1474	157998		2657	593	3	131
4. Alappuzha	1043	998	17083	9	5418	29592	578	90552	23	4865	1031	126	333
5. Kottayam	671	770	10927	15	30012	44221	2885	202980		6490	498	33	201
6. Idukki	3312	590	11076	25	12190	34681	11941	251629	193	1342	701	2	92
7. Ernakulam	2661	959	12856	14	41312	29350	37497	154251	90	5568	687	131	406
8. Thrissur	6109	1903	16843	22	33729	29990	1635	34226		4863	1501	31	610
9. Palakkad	2320	7695	27930	19	52737	34591	1018	133282	4787	6762	2032	53	218
10. Malappuram	11934	3951	29500	27	65122	24391	2491	227107	2900	7585	2575	154	717
11. Kozhikode	13314	2404	12839	35	16329	21061	2281	108758	408	943	1238		1059
12. Wayanad	1736	359	10003	35	65753	26798	236	57449	35	2417	674	5	27
13. Kannur	12191	2572	42425	59	18024	26306	2134	86741	295	6551	1261		515
14. Kasaragod	25032	728	11508	12	8778	18868	1034	25479	1423	2745	817	14	364
15. State	83337	29564	257761	335	398145	410566	68258	2531752	10698	59324	20725	718	5680

Table 3 (contd.)

District	Cotton (No. of bales of 170Kg. Each)	Nutmeg	Tobacco	Lemon- 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		13			361		32913	49		1406	5904	6	
2. Kollam		13			368		45727	30		2662	2042	3	
3. Pathanamthitta		50					61664	369	61	419	13957	6	
4. Alappuzha		32					3954	140		1326	7516	2	
5. Kottayam		126			168		139550	1137	21	170	2683	9	
6. Idukki		128		81	46456	10500	44853	1032	6077	395	179	14	14433
7. Ernakulam		704		1			72663	564		549	7514	7	
8. Thrissur		393		2	1888		19431	45		1216	6262	6	
9. Palakkad	7702	18		2	2302	1790	31235	13	180	2258	716	1	
10. Malappuram		62					32606	5		5669	126685	3	
11. Kozhikode		42					22593	186		2049	4473	3	
12. Wayanad		4		5	10412	48180	3907	49	245	944	179	1	
13. Kannur		33		2			37992	61		35954	1610	1	
14. Kasaragod		7	245				23732	64	1	10530	3936	1	
15. State	7702	1625	245	93	61955	60470	572820	3744	6585	65547	183656	63	14433

* Tea Board figures related 1999-2000. ** Coffee Board figures related 1999-2000. *** Rubber Board figures related 1999-2000.

@ Spices Board figures related 1999-2000.

Table 4 - Estimated area and Production of Paddy - Autumn 1999-2000.

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	239	502	2676	6102	2915	6604	482	1044	308	558	790	1602
2.	Kollam			7462	15509	7462	15509			187	228	187	228
3.	Pathanamthitta	35	82	504	979	539	1061			461	906	461	906
4.	Alappuzha	7175	23687	725	819	7900	24506			333	270	333	270
5.	Kottayam	2818	7577	565	1361	3383	8938			22	46	22	46
6.	Idukki			866	2215	866	2215						
7.	Eranakulam	5792	10852	6500	13451	12292	24303	352	606	2823	6492	3175	7098
8.	Thrissur	12	20	3552	7099	3564	7119	1	3	7778	14366	7779	14369
9.	Palakkad	7210	18524	12398	24377	19608	42901	6519	16322	25558	46914	32077	63236
10.	Malappuram	8	12	4174	8035	4182	8047	13	19	1649	2164	1662	2183
11.	Kozhikode			383	608	383	608			298	249	298	249
12.	Wayanad			No	Paddy								
13.	Kannur			4745	8324	4745	8324			2153	3274	2153	3274
14.	Kasaragod	11	17	3098	6781	3109	6798			1640	2482	1640	2482
15.	State	23300	61273	47648	95660	70948	156933	7367	17994	43210	77949	50577	95943

Table 5 - Estimated area and Production of Paddy - Winter 1999-2000.

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	407	911	1708	4008	2115	4919	342	709	1757	3631	2099	4340
2.	Kollam			3302	7105	3302	7105			6465	12228	6465	12228
3.	Pathanamthitta	575	1489	612	1462	1187	2951	1289	2609	204	445	1493	3054
4.	Alappuzha	9173	25679	558	771	9731	26450			958	1143	958	1143
5.	Kottayam	5205	12325	10	19	5215	12344	366	776	7	7	373	783
6.	Idukki	1312	3100	83	212	1395	3312	703	1687	291	720	994	2407
7.	Eranakulam	15565	30006	125	229	15690	30235	1783	3239	217	384	2000	3623
8.	Thrissur	7705	20376	206	415	7911	20791	14382	28077	1329	2264	15711	30341
9.	Palakkad	20690	58159	1704	3706	22394	61865	21474	47572	6862	13855	28336	61427
10.	Malappuram	3055	5884	1072	2060	4127	7944	6764	10903	4549	6830	11313	17733
11.	Kozhikode	218	366	537	834	755	1200	912	1266	3230	3857	4142	5123
12.	Wayanad	916	2254	8313	22922	9229	25176	301	638	5024	11969	5325	12607
13.	Kannur	1242	2583	237	380	1479	2963	2838	4636	231	269	3069	4905
14.	Kasaragod	1219	2478	187	298	1406	2776	1860	3265	154	249	2014	3514
15.	State	67282	165610	18654	44421	85936	210031	53014	105377	31278	57851	84292	163228

Table 6 - Estimated area and Production of Paddy – Summer 1999-2000.

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	50	85			50	85						
2.	Kollam	9	12	1	1	10	13						
3.	Pathanamthitta	2983	10530	21	33	3004	10563	32	104			32	104
4.	Alappuzha	16337	39557	21	33	16358	39590	46	128			46	128
5.	Kottayam	6803	19267			6803	19267	26	53			26	53
6.	Idukki	159	409			159	409	226	713			226	713
7.	Eranakulam	9407	16592			9407	16592	330	475			330	475
8.	Thrissur	6845	17756	74	160	6919	17916	1003	1673			1003	1673
9.	Palakkad	5826	17230	2	1	5828	17231	1461	4251			1461	4251
10.	Malappuram	2120	6090	4	5	2124	6095	87	115			87	115
11.	Kozhikode	702	1266	5	6	707	4272	179	219	31	49	210	268
12.	Wayanad	2576	6640	10	22	2586	6662	152	300	12	16	164	316
13.	Kannur	69	121	3	5	72	126	182	194	10	14	192	208
14.	Kasaragod	79	170			79	170	138	256			138	256
15.	State	53965	135725	141	266	54106	135991	3862	8481	53	79	3915	8560

Table 7 - Estimated Productivity of Crops - 1999-2000.

Name of District	Paddy			Cocunut in No.s	Arecanut	Tapioca	Raw Cashew nuts	Black Pepper	Banana	Plantain	Jack (in Nos)	Cocoa	Sesamum	
	Autumn		Winter											Summer
	2	3	4											5
1. Thiruvananthapuram	3371	3344	2588	6655	517	20422	501	238	10090	7028	4022	433	14	
2. Kollam	3131	3013	1979	4993	645	18331	578	321	10572	7148	3933	789	286	
3. Pathanamthitta	2994	3410	5348	5753	911	22975	402	216	10105	9697	3881	558	375	
4. Alappuzha	4580	3929	3685	5435	452	20016	270	125	10108	8350	2820	800	140	
5. Kottayam	4016	3576	4306	4645	552	26208	243	91	11304	10383	3482	507	717	
6. Idukki	3893	3644	4436	3883	989	32364	295	238	10712	9283	4573	361	222	
7. Eranakulam	3090	2913	2668	5961	671	30063	348	129	9836	6935	3172	398	555	
8. Thrissur	2883	3295	3764	6908	961	22414	297	146	12085	5625	4251	266	279	
9. Palakkad	3126	3699	4486	4754	613	20914	386	169	9990	8105	3809	448	461	
10. Malappuram	2664	2531	4275	6692	751	26747	516	116	9238	6372	3045	125	276	
11. Kozhikode	1915	1965	2556	8080	1313	22087	530	152	9795	6462	3153	460		
12. Wayanad		3951	3862	2490	333	35462	605	387	10368	13771	2805	358	250	
13. Kannur	2559	2633	1926	5406	965	21707	1377	147	9796	6052	4003	282		
14. Kasaragod	2974	2799	2988	6479	1965	19905	528	222	11083	7723	4605	500	538	
15. State	3167	3337	3792	6140	1017	22621	733	240	10197	7710	3593	434	275	

Table 8 – Net area irrigated (Source-wise) 1999-2000

(Area in Hectares)

District	1	2	3	4	5	6	7	8	9	10
	Government canal	Private canal	Government tanks	Private tanks	Government wells	Private wells	Minor lift irrigation	Other sources	Total	
1. Thiruvananthapuram	2565	421	192	52	390	8	205	3833		
2. Kollam	49	6	4	146	904	21	220	1350		
3. Pathanamthitta	831	19	17	135	919	9	4935	6849		
4. Alappuzha	4415	7	24	11728	2374	441	23715	42275		
5. Kottayam	1113	27	2214	251	1381	463	8252	15653		
6. Idukki	298	234	868	1834	10010	3583	6334	34195		
7. Ernakulam	10708	107	569	10069	40570	2900	14565	86728		
8. Thrissur	17409	502	19	3719	12909	693	7558	65057		
9. Palakkad	39657	521	37	5002	13403	905	12576	33468		
10. Malappuram	1013	1118	419	2561	776	4	5997	5997		
11. Kozhikode	1119	200	28	14	13673	219	2826	3640		
12. Wayanad	353	1556	1737	156	5691	9173	43813	24550		
13. Kannur	1701	85	13766	14	20709	8805	110667	43813		
14. Kasaragod	81231	4803	1832	51100	1347	120258	380043	380043		
15. State										

Table 9 – Gross area under irrigation (crop-wise) 1999-2000

Districts	[Area in Hectares]												
	Paddy	Tubers	Vegetables	Coconut	Arecanut	Cloves & nutmeg	Other spices condiments	Banana	Betel leaves	Sugar cane	Other trees	Total	Re-marks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. Thiruvananthapuram	1520	25	620	656	2	143	55	1412	33		1202		
2. Kollam	9	18	960	672	26	98	21	87	53		738		
3. Pathanamthitta	4914	8	470	346	10	81	12	821	78	230	152		
4. Alappuzha	32731	546	635	18490	133	154	602	70	42	92	736		
5. Kottayam	15218	15	350	259	22	410	135	234	15	81	789		
6. Idukki	2400	8	22	98	25	118	243	636	1	2624	6589		
7. Ernakulam	33229	11	420	16547	1527	933	124	2333	42	15	765		
8. Thrissur	29948	46	951	53804	5649	192	707	2617	35	1	877		
9. Palakkad	63180	21	1197	17047	2079	97	703	3619	4	2713	2547		
10. Malappuram	12047	165	1185	16371	6515	48	112	4281	664	4	1050		
11. Kozhikode	2011	12	470	2979	425	22	8	919	25	13	1225		
12. Wayanad	3945	3	138	190	20	21	7	68	1	1	1010		
13. Kannur	4331	32	80	16765	2686	51	115	1048	9	4	1005		
14. Kasaragod	3307	21	315	25670	12996	39	123	647	22	2	1500		
15. State	208790	931	7813	169894	32115	2407	2967	18792	1024	5780	20185		

142

