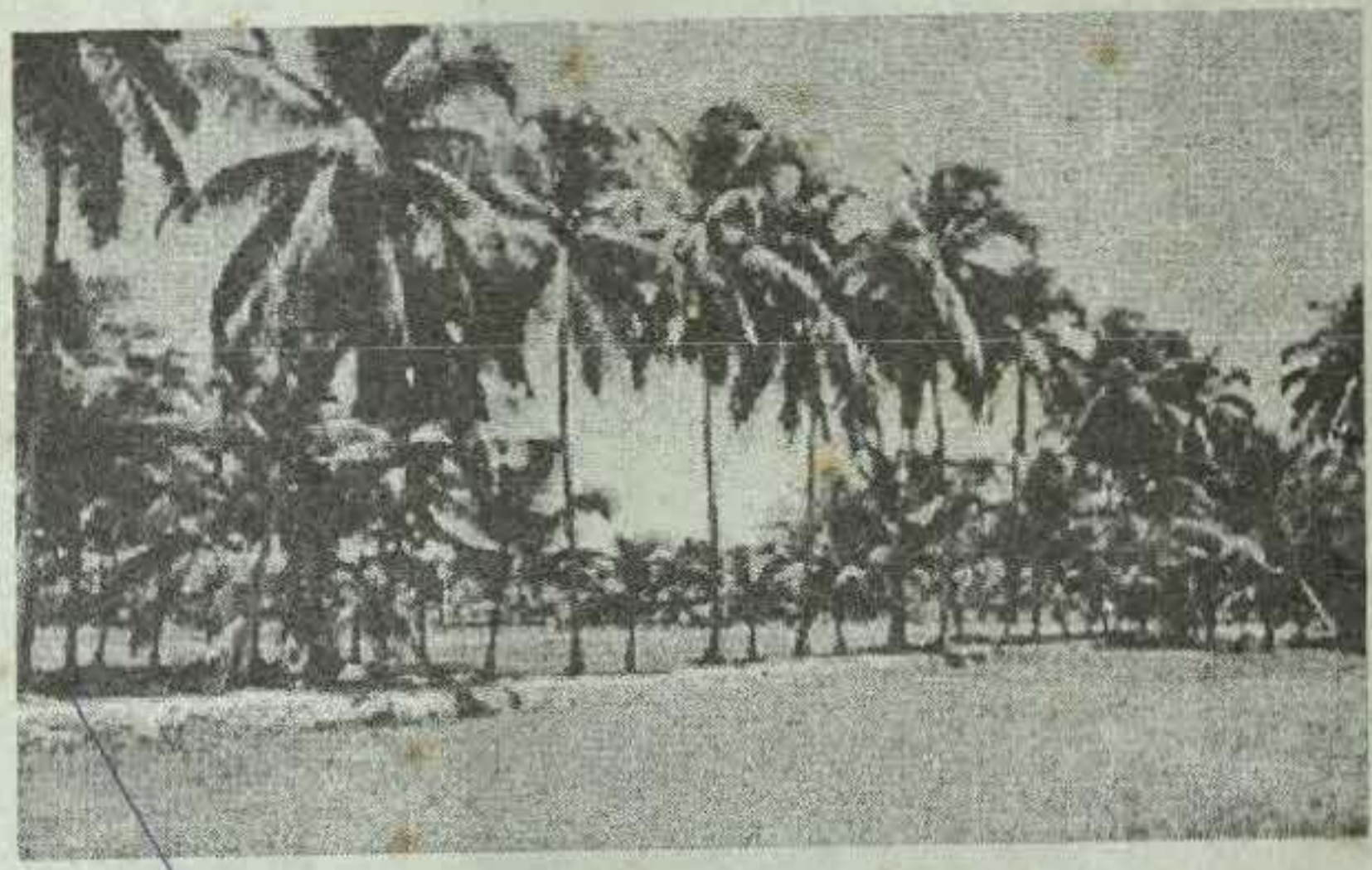


87 20.15200

Reference
D/S



GOVERNMENT OF KERALA



AGRICULTURAL STATISTICS
2002-2003

Department of Economics & Statistics
Thiruvananthapuram
May 2004



Government of Kerala

Agricultural Statistics 2002-2003

M.R. BALAKRISHNAN
DIRECTOR

Thiruvananthapuram

24-05-2004

Department of Economics & Statistics

Thiruvananthapuram

May, 2004

PREFACE

'Agricultural Statistics' is one of the important publications of the Department of Economics and Statistics, Government of Kerala. This report presents the result of sample survey conducted in Kerala during the period from 01.07.2002 to 30.06.2003 under the central scheme – Establishment of an Agency for Reporting Agricultural Statistics (EARAS). The data relating to land use, area under crops, crop production, yield rate, irrigation statistics, etc are furnished in this report.

This report was prepared in the Agricultural Statistics 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, Research scholars ect. in this field. Suggestions for the improvement of future issues of this report are welcome.

Thiruvananthapuram
24-05-2004

M.R. BALAKRISHNAN
DIRECTOR

Department of Economics & Statistics
Thiruvananthapuram
May 2004

Agricultural Statistics 2002-2003

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.

Sample 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, 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 2002-2003 under the scheme EARAS in the state of Kerala.

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	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	218600	49861	23542	484	9	104	323	446	1290	142541	47181	189722	
2	Kollam	251838	81438	23491	242	14	82	981	570	4327	140693	53326	194019	
3	Pathanamthitta	268750	155214	15304	438	0	74	526	871	4245	92078	24547	116625	
4	Alappuzha	136058	-	24114	91	0	168	7420	4150	5474	94641	28782	123423	
5	Kottayam	219550	8141	26588	1875	1	196	2741	2950	5815	171243	48827	220070	
6	Idukki	514962	260907	15270	3690	150	3210	2561	334	1341	227499	51675	279174	
7	Eranakulam	235319	8123	43101	1360	21	216	7101	2430	6353	166614	50111	216725	
8	Thrissur	299390	103619	34949	243	17	595	2953	5730	8169	143115	52769	195884	
9	Palakkad	438980	136257	53019	3393	8	1451	20123	10110	13280	201339	120693	322032	
10	Malappuram	363230	103417	37398	2186	0	563	6451	4913	9464	198838	73547	272385	
11	Kozhikode	233330	41386	26664	1682	0	217	982	876	1465	160058	62833	222891	
12	Wayanad	212560	78787	12490	294	38	720	1512	613	2279	115827	86244	202071	
13	Kannur	296797	48734	31301	3206	3	1511	4640	2260	3874	201268	62513	263781	
14	Kasaragod	196133	5625	26110	10396	2	3915	10952	2928	3422	132783	18799	151582	
	State	3885497	1081509	393341	29580	263	13022	69266	39181	70798	2188537	781847	2970384	

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 2002- 2003

(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	3189	3231	3	6423			11	6434	72	93	382	547	6981
2. Kollam	4626	6807	24	11457	2			11459	69	28	354	451	11910
3. Pathanamthitta	815	2236	2380	5431				5431	0	0	21	21	5452
4. Alappuzha	3721	17149	8765	29635			6	29641	6	1	46	53	29694
5. Kottayam	2497	4961	4806	12264			3	12267	20	28	437	485	12752
6. Idukki	1294	2205	286	3785	2	25	586	4398	15	34	290	339	4737
7. Ernakulam	12016	13448	6608	32072			1	32073	54	160	976	1190	33263
8. Thrissur	9740	19836	7698	37274			4	37278	18	50	92	160	37438
9. Palakkad	57583	53203	5124	115910	2565	1294	1494	121263	91	440	10	541	121804
10. Malappuram	5781	12260	1637	19678		1		19679	26	32	443	501	20180
11. Kozhikode	399	3902	784	5085				5085	18	22	220	260	5345
12. Wayanad	0	10490	2498	12988	2		3	12993	1	1	391	393	13386
13. Kannur	6369	4636	318	11323				11323	2	112	476	590	11913
14. Kasaragod	4408	2640	148	7196			13	7209	12	62	159	233	7442
State	112438	157004	41079	310521	2571	1320	2121	316533	404	1063	4297	5764	322297

Table 2 (contd.)

District	Sugar crops			Spices and condiments												Grand Total
	Sugar cane	Palm yrah	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		139	139	6569	95	106	45		1216	1374	59	38	5		9507	9646
2. Kollam	1	23	24	10633	150	612	258	11	2502	703	25	54	14		14962	14986
3. Pathanamthitta	95	40	135	5214	0	619	102	664	1343	274	53	274	13		8556	8691
4. Alappuzha	120	32	152	1940	55	125	9	0	2441	530	12	134	18		5264	5416
5. Kottayam	36	394	430	9245	3	211	178	200	1767	474	98	608	26		12810	13240
6. Idukki	1473	205	1678	65142	42	1374	257	32743	4096	332	265	634	54	616	105555	107233
7. Ernakulam	8	253	261	7309	42	421	493	0	4886	834	50	3432	20		17487	17748
8. Thrissur	9	181	190	4583	125	136	125	0	7526	2226	50	2632	14		17417	17607
9. Palakkad	1989	3222	5211	5482	169	1133	698	2754	4936	6967	12	79	43		22273	27484
10. Malappuram	11	927	938	9846	23	181	339	70	19622	2949	30	200	24		33284	34222
11. Kozhikode	0	252	252	12365	0	217	305	220	10584	1022	34	202	20		24969	25221
12. Wayanad	5	137	142	40839	3	3450	127	4107	7201	118	18	33	20		55916	56058
13. Kannur	5	97	102	22492	0	266	136	128	14182	1080	13	62	15		38374	38476
14. Kasaragod	6	52	58	6948	76	147	68	515	15183	337	18	36	7		23335	23393
State	3758	5954	9712	208607	783	8998	3140	41412	97485	19220	737	8418	293	616	389709	399421

Table 2 (contd.)

Districts	Fresh fruits										Dry fruit	
	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	6615	5006	2496	5562	298	1041	601	21619	2349	23968		
2. Kollam	6142	5211	1800	4193	566	1099	448	19459	4663	24122		
3. Pathanamthitta	2903	1630	2055	2282	235	681	875	10661	1107	11768		
4. Alappuzha	3015	5708	470	2343	105	1099	883	13623	4313	17936		
5. Kottayam	4501	3175	3394	3896	633	1175	920	17694	700	18394		
6. Idukki	6332	3142	1602	3209	1569	761	931	17546	1321	18867		
7. Ernakulam	4755	4514	6410	5007	6056	1497	1078	29317	1364	30681		
8. Thrissur	5515	7692	2844	6611	280	1611	1149	25702	3854	29556		
9. Palakkad	5398	8742	8155	6362	139	1326	1307	31429	5463	36892		
10. Malappuram	9847	11167	9804	4146	335	2325	1085	38709	10735	49444		
11. Kozhikode	10814	10483	1963	2923	253	1994	852	29282	3883	33165		
12. Wayanad	10241	4830	11466	1838	37	399	650	29461	1455	30916		
13. Kannur	13828	12003	2445	3679	349	1741	900	34945	27123	62068		
14. Kasaragod	2745	3041	764	2760	88	636	650	10684	20218	30902		
State	92651	86344	55668	54811	10943	17385	12329	330131	88548	418679		

Table 2 (contd.)

Districts	Vegetables															Total food crops	
	Drumstick	Tubers	Sweet potato	Tapioca		Total	Bitter gourd	Snake gourd	Ladies finger	Brinjal	Amaranth	Other vegetables	Thuvvara	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	2211	1661	56	5587	7147	11188	23922	128	154	26	27	161	464			28810	69405
2. Kollam	1745	4204	6	3472	10968	9625	24065	117	18	39	103	120	419			30836	81854
3. Pathanamthitta	615	4473	4	3482	512	3620	7614	85	59	48	57	60	963			13978	39889
4. Alappuzha	825	1272	1	444	1922	1755	4121	86	76	16	55	160	539		6	7157	60203
5. Kottayam	888	1048	18	736	3274	3416	7426	257	310	18	49	47	968			11029	55415
6. Idukki	647	2694	6	584	3910	3312	7806	586	3	6	29	8	3313	9		15107	145944
7. Ernakulam	910	1264	11	917	1805	2946	5668	142	95	33	21	56	1693			9893	91585
8. Thrissur	1567	1087	5	265	453	658	1376	188	50	54	32	72	774		2	5207	89808
9. Palakkad	2041	2547	180	945	2257	1758	4960	232	43	446	139	84	5464	1852	550	18538	204718
10. Malappuram	3193	2032	333	1953	1779	3215	6947	248	90	119	33	84	2868		1	15948	119794
11. Kozhikode	2958	1176	9	686	1564	1714	3964	20	2	5	1	26	468			8629	72360
12. Wayanad	945	1860	13	169	594	1152	1915	133	1	5	10	40	856			5778	106138
13. Kannur	2020	752	33	260	1678	1309	3247	76	6	27	8	73	977			7219	119676
14. Kasaragod	687	268	175	41	713	394	1148	41	5	29	10	44	763			3170	64907
State	21252	26338	850	19541	38576	46062	104179	2339	912	871	574	1035	20529	1861	559	181299	1321696

Table 2 (contd.)

District	Non food crops															
	Oil seeds					Total	Fibre drugs and narcotics					Plantation crops				
	Groundnut	Sesamum	Coconut	Others	Total		Cotton	Betal leaves	Tobacco	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			87118	47	87165		24			24	966		28415	132	29513	116702
2. Kollam		106	71310	32	71448		58			58			36797	28	36825	108331
3. Pathanamthitta		1	21764	27	21792		61		5	66	1348		47905	810	50063	71921
4. Alappuzha		74	55407	135	55616		72		6	78			3825	181	4006	59700
5. Kottayam		4	41424	51	41479		14			14	2176		111776	1744	115696	157189
6. Idukki		6	25810	29	25845		1		1133	1134	24953	+11490	38250	3831	78524	105503
7. Ernakulam		161	61034	101	61296		52		24	76	2		56737	1428	58167	119539
8. Thrissur		51	86068	246	86365		27			27	530		13396	132	14058	100450
9. Palakkad	2422	106	53207	1235	56970	3400	2		10	3412	852	4650	29064	44	34610	94992
10. Malappuram		291	107254	159	107704		624			624	192		29335	63	29590	137918
11. Kozhikode			127402	16	127418		8		3	11			17591	494	18085	145514
12. Wayanad		10	10947	1	10958				152	152	6049	66973	6451	134	79607	90717
13. Kannur		1	94217	124	94342		3		99	102			34085	177	34262	128706
14. Kasaragod			56236	50	56286		17	90		107			22420	97	22517	78910
State	2422	811	899198	2253	904684	3400	963	90	1432	5885	37068	83113	476047	9295	605523	1516092

+ 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	109	351	3155		3615	120317	189722
2. Kollam	225	829	2780		3834	112165	194019
3. Pathanamthitta	140	938	3737		4815	76736	116625
4. Alappuzha	112	318	3090		3520	63220	123423
5. Kottayam	133	413	6911	9	7466	164655	220070
6. Idukki	1443	631	25633	20	27727	133230	279174
7. Ernakulam	129	499	4906	67	5601	125140	216725
8. Thrissur	50	1403	4169	4	5626	106076	195884
9. Palakkad	456	2354	19498	14	22322	117314	322032
10. Malappuram	-	5857	8815	1	14673	152591	272385
11. Kozhikode	51	1545	3420	1	5017	150531	222891
12. Wayanad	154	430	4632	-	5216	95933	202071
13. Kannur	138	811	14450	-	15399	144105	263781
14. Kasaragod	35	1370	6359	1	7765	86675	151582
State	3175	17749	111555	117	132596	1648688	2970384

Table 3 - Production of important crops 2002-03

Name of District	Rice				Jowar	Ragi	Other cereals	Sugar-cane	Black pepper	Green chillies	Pulses	Cured ginger	Cured turmeric	Groundnut
	Autumn	Winter	Summer	Total										
	2	3	4	5										
1. Thiruvananthapuram	7246	6870	3	14119	6	7	8	9	10	11	12	13	14	15
2. Kollam	10122	14055	27	24204	1		-	10	3235	150	822	1648	449	
3. Pathanamthitta	1639	4890	6992	13521			-	464	1231		17	1536	144	
4. Alappuzha	9467	53102	28992	91561			5	817	174	55	46	220	11	
5. Kottayam	6532	12176	12176	30884			2	174	1436	3	419	619	466	
6. Idukki	3111	4925	538	8574	1	20	455	12442	35534	42	279	4791	623	
7. Ernakulam	23859	25091	11936	60886			1	101	1171	38	852	1162	1092	
8. Thrissur	20021	44167	23084	87272			3	90	787	125	114	285	219	
9. Palakkad	117326	112229	14371	243926	1308	1047	1161	16920	778	182	408	4196	1747	1801
10. Malappuram	11308	22569	5104	38981		1	-	112	979	23	373	424	576	
11. Kozhikode	581	5185	1401	7167			-	-	1765		197	598	723	
12. Wayanad	0	24778	6548	31326	1		2	50	12064	3	300	15164	270	
13. Kannur	11911	8455	428	20794			-	81	4362		482	942	384	
14. Kasaragod	10094	5300	250	15644			7	22	2052	71	181	545	162	
State	233217	343792	111850	688859	1311	1068	1645	31283	67358	787	4615	32412	6938	1801

Table 3 (contd.)

District	Areca nut 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	16	17	18	19	20	21	22	23	24	25	26	27	28
1. Thiruvananthapuram	520	4191	25574	31	16739	39445	2207	392510	635	6855	3566	-	606
2. Kollam	1710	1438	27221	22	14596	31173	4497	556140	66	1021	3191	60	411
3. Pathanamthitta	1317	522	13013	16	18389	23661	1582	186265	44	3762	632	-	122
4. Alappuzha	1016	1014	19244	5	3815	15843	403	70944	12	5467	920	27	267
5. Kottayam	1085	907	15506	21	32373	34511	4586	224130	144	8463	488	2	213
6. Idukki	3846	575	15543	28	13608	37394	15618	249774	69	1895	850	1	104
7. Ernakulam	3728	890	16953	18	46806	40336	56478	170411	124	7248	713	47	309
8. Thrissur	6903	2078	27166	21	19974	30526	2048	25861	55	7045	2127	18	620
9. Palakkad	5706	8596	46783	21	65005	61864	1001	105002	1660	8791	2714	26	363
10. Malappuram	17527	3823	36403	30	67931	24645	1827	176344	3831	10042	3341	76	787
11. Kozhikode	15584	2280	19320	23	16640	16184	1650	77016	103	1296	1178	-	888
12. Wayanad	3237	231	11416	26	77963	14283	169	65180	152	2664	763	3	51
13. Kannur	14737	2060	57320	46	20280	18528	2002	86223	375	9325	1541	-	559
14. Kasaragod	30363	909	15692	12	7690	20889	774	27417	3193	3914	1028	-	409
State	107279	29514	347154	320	421809	409282	94842	2413217	10463	77788	23052	260	5709

409282

831091

Table 3 (contd.)

District	Cotton (No. of bales of 170Kg. Each)	Nutmeg	Tobacco	Lem on- grass	Tea *	Coffee **	Rubber ***	Coco a	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		10	-	336			34206	50		1097	4294	4	
2. Kollam		13	-	+359			48386	7	neg	3043	2235	2	
3. Pathanamthitta		70	neg.				62833	517	78	527	10915	4	
4. Alappuzha		35	neg.				4356	121		1349	12884	1	
5. Kottayam		157	-	226			143244	903	24	226	2504	8	
6. Idukki		163	74	39854	++8475		45295	2029	8057	788	179	18	10472
7. Eranakulam		917	6	neg			73752	878		607	9303	4	
8. Thrissur		560	-	1466			19932	66		1982	4830	3	
9. Palakkad	5488	21	8	2124	2150		34334	33	201	2316	358	1	
10. Malappuram		51	-	neg			33883	87	3	4481	119053	2	
11. Kozhikode		52	neg.				23490	277	neg	2177	1431	2	
12. Wayanad		10	2	10983	52697		4753	49	317	1283		2	
13. Kannur		17	3				40658	70	neg	25474	536	1	
14. Kasaragod		10	501	-			25795	22	neg	20737	3042	1	
State	5488	2086	501	93	55348	63322	594917	5109	8680	66087	171564	53	10472

* Tea Board figures related 2002-2003. ** Coffee Board figures related 2002-2003. *** Rubber Board figures related 2002-2003.

@ Spices Board figures related 2002-2003. +Includes Pathanamthitta District ++Includes Kottayam District.

Table 4 - Estimated area and Production of Rice - Autumn 2002-2003

Sl. No	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	673	1500	2326	5333	2999	6833	168	373	22	40	3189	7246
2.	Kollam	98	214	4435	9726	4533	9940	-	-	93	182	4626	10122
3.	Pathanamthitta	9	24	803	1609	812	1633	-	-	3	6	815	1639
4.	Alappuzha	2598	7992	600	913	3198	8905	-	-	523	562	3721	9467
5.	Kottayam	1957	5254	501	1190	2458	6444	9	21	30	67	2497	6532
6.	Idukki	95	249	1199	2862	1294	3111	-	-	-	-	1294	3111
7.	Eranakulam	5645	11522	4110	8713	9755	20235	-	-	2261	3624	12016	23859
8.	Thrissur	3	6	8446	18068	8449	18074	217	273	1074	1674	9740	20021
9.	Palakkad	6836	17684	45051	92810	51887	110494	126	128	5570	6704	57583	117326
10.	Malappuram	137	322	4826	9917	4963	10239	4	6	814	1063	5781	11308
11.	Kozhikode	21	50	258	433	279	483	-	-	120	98	399	581
12.	Wayanad	-	-	-	-	-	-	-	-	-	-	-	-
13.	Kannur	-	-	4682	8995	4682	8995	-	-	1687	2916	6369	11911
14.	Kasaragod	5	6	3067	7568	3072	7574	-	-	1336	2520	4408	10094
	State	18077	44823	80304	168137	98381	212960	524	801	13533	19456	112438	233217

Table 5 - Estimated area and Production of Rice - Winter 2002-03

Sl. No	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	769	1661	1768	3820	2537	5481	14	22	680	1367	694	1389
2.	Kollam	0	0	2472	5407	2472	5407	425	810	3910	7838	4335	8648
3.	Pathanamthitta	697	1568	549	1275	1246	2843	723	1535	267	512	990	2047
4.	Alappuzha	15552	50585	357	757	15909	51342	1	1	1239	1759	1240	1760
5.	Kottayam	4742	11776	129	251	4871	12027	90	149	0	0	90	149
6.	Idukki	1791	4038	22	46	1813	4084	390	836	2	5	392	841
7.	Eranakulam	11496	21925	282	415	11778	22340	1437	2293	233	458	1670	2751
8.	Thrissur	12012	30027	23	84	12035	30111	7623	13765	178	291	7801	14056
9.	Palakkad	40943	88892	2129	4284	43072	93176	3453	6232	6678	12821	10131	19053
10.	Malappuram	3966	8172	1324	2585	5290	10757	3783	6513	3187	5299	6970	11812
11.	Kozhikode	70	158	475	827	545	985	247	438	3110	3762	3357	4200
12.	Wayanad	4036	10056	3067	7983	7103	18039	939	1939	2448	4800	3387	6739
13.	Kannur	2469	5029	217	321	2686	5350	1736	2798	214	307	1950	3105
14.	Kasaragod	899	2022	15	30	914	2052	1705	3215	21	33	1726	3248
	State	99442	235909	12829	28085	112271	263994	22566	40546	22167	39252	44733	79798

Table 6 - Estimated area and Production of Rice - Summer 2002-2003

Sl. No	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	3	3	-	-	3	3	-	-	-	-	-	-
2.	Kollam	19	24	-	-	19	24	5	3	-	-	5	3
3.	Pathanamthitta	2380	6992	-	-	2380	6992	-	-	-	-	-	-
4.	Alappuzha	8753	28965	11	25	8764	28990	1	2	-	-	1	2
5.	Kottayam	4801	12164	-	-	4801	12164	5	12	-	-	5	12
6.	Idukki	272	523	-	-	272	523	14	15	-	-	14	15
7.	Eranakulam	6538	11818	5	10	6543	11828	65	108	-	-	65	108
8.	Thrissur	7389	22457	-	-	7389	22457	309	627	-	-	309	627
9.	Palakkad	5096	14328	-	-	5096	14328	28	43	-	-	28	43
10.	Malappuram	1610	5068	-	-	1610	5068	27	36	-	-	27	36
11.	Kozhikode	599	1166	18	31	617	1197	89	107	78	97	167	204
12.	Wayanad	2421	6416	-	-	2421	6416	62	114	15	18	77	132
13.	Kannur	219	315	-	-	219	315	99	113	-	-	99	113
14.	Kasaragod	18	41	-	-	18	41	130	209	-	-	130	209
	State	40118	110280	34	66	40152	110346	834	1389	93	115	927	1504

Table 7 - Estimated Productivity of Crops - 2002-2003.

Name of District	Paddy			Cocunut in No.s	Arecanut	Tapioca	Raw Cashew nuts	Black Pepper	Banana	Plantain	Jack (in Nos)	Cocoa	Sesa mum
	Autumn	Winter	Summer										
	2	3	4										
1. Thiruvananthapuram	3458	3236	1522	6956	427	16408	467	273	6706	7092	4686	379	-
2. Kollam	3330	3143	1712	5764	683	23110	653	304	8109	7435	3582	250	566
3. Pathanamthitta	3061	3329	4472	5606	981	24463	476	236	8948	10369	5512	638	-
4. Alappuzha	3872	4713	5035	4819	416	17215	313	90	8117	6762	1658	669	365
5. Kottayam	3982	3736	3856	5142	614	30182	323	155	9538	8858	4666	518	500
6. Idukki	3659	3400	2863	4029	939	31998	597	546	8494	11653	4422	530	167
7. Ernakulam	3022	2840	2749	5063	763	30065	445	160	7302	8056	3785	615	292
8. Thrissur	3129	3389	4564	7204	917	18794	514	172	7023	4617	3808	500	353
9. Palakkad	3101	3211	4269	6822	1156	21170	424	142	7971	9724	3890	750	245
10. Malappuram	2977	2802	4746	7338	893	25384	417	99	6929	6944	3047	1381	261
11. Kozhikode	2216	2023	2720	6970	1472	19429	561	143	8477	5537	2127	561	-
12. Wayanad	-	3595	3990	4659	449	34037	882	295	6799	2771	2539	366	300
13. Kannur	2847	2776	2049	5933	1039	26555	939	194	8294	5036	3327	395	-
14. Kasaragod	3485	3056	2571	7273	2000	23882	1026	295	10065	7568	4372	227	-
State	3157	3333	4144	6349	1100	23164	746	323	7577	7467	3454	550	321

Table 8 – Net area irrigated (Source-wise) 2002-2003

(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	2971	331	336	142	1	451	4	392		4628
2. Kollam	13	36	1	212	2	847		204		1315
3. Pathanamthitta	1008	5		109		665	64	2985		4836
4. Alappuzha	4110	18	22	8120		3914	108	21539	1524	39355
5. Kottayam	965	25		104		591	103	11916	1	13705
6. Idukki	4270	392	115	8278		1156	2	4510	7	18730
7. Ernakulam	17811	11	132	2581	13	11341	3338	6241	347	41815
8. Thrissur	19427	169	375	7610	96	37056	2900	13042	54	80729
9. Palakkad	41347	982	161	4365	29	15947	1043	10718	939	75531
10. Malappuram	1015	784	106	2873	7	310	827	7781	10324	24027
11. Kozhikode	780			261	11	493	11	708	1117	3381
12. Wayanad	625	827	38	52	8	76	298	7065	410	9399
13. Kannur	1254	703	78	981	26	8163	6	6365	4	17580
14. Kasaragod		182	37	11549	42	19670	149	12230		43859
State	95596	4465	1401	47237	235	100680	8853	105696	14727	378890

Table 9 – Gross area under irrigation (crop-wise) 2002-2003

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	1627	38	730	1850	15	54	38	64	2279	24	-	1114	
2. Kollam	547	25	1182	662	32	25	54	20	277	58	1	765	
3. Pathanamthitta	3809	13	589	82	3	52	128	16	173	61	95	57	
4. Alappuzha	26905	528	687	14009	54	12	134	616	260	72	120	769	
5. Kottayam	11604	19	475	470	40	80	381	147	521	14	36	836	
6. Idukki	2562	9	42	530	217	38	105	273	140	1	1473	607	
7. Ernakulam	25181	12	521	15358	1679	17	1062	134	4358	52	8	831	
8. Thrissur	27553	54	831	50703	6493	6	246	732	2678	27	9	897	
9. Palakkad	56482	23	1245	19402	2586	12	63	728	4379	2	1989	2678	
10. Malappuram	9527	159	1471	10564	5524	9	47	128	4327	624	11	1163	
11. Kozhikode	1026	12	487	2931	512	8	28	10	1072	8	0	1194	
12. Wayanad	7458	5	185	122	132	7	28	6	3398	0	5	1025	
13. Kannur	4523	37	131	9662	2935	9	38	121	1364	3	5	1063	
14. Kasaragod	2757	18	447	27217	12970	13	29	136	676	17	6	1579	
State	181561	952	9023	153562	33192	342	2381	3131	25902	963	3758	14578	

