



GOVERNMENT OF KERALA

AGRICULTURAL STATISTICS

1994-95

DEPARTMENT OF ECONOMICS AND STATISTICS
THIRUVANANTHAPURAM

CONTENTS

<i>Sl. No.</i>	<i>Item</i>	<i>Page No.</i>
1	Table 1 Classification of area under land utilisation	2
2	Table 2 Area under crops 1994-95	3-8
3	Table 3 Production of important crops 1994-95	9-11
4	Table 4 Net area irrigated (Source-wise) 1994-95	12
5	Table 5 Gross area under irrigation (Crop-wise) 1994-95	13

PREFACE

Agricultural Statistics of Kerala is one of the important publications of the department of Economics and Statistics, Government of Kerala. This publication deals with the various aspects of the agricultural economy of the State during the year 1994-95. The data relating to land use, area under crops and production of crops are based on the results of the sample survey under the scheme EARAS.

This report was prepared in the Agricultural Statistics Division of the Department of Economics and Statistics.

I hope that this will serve as a reference volume for Planners, Administrators and Research workers in this field.

Suggestions for the improvement of the report are welcome.

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AGRICULTURAL STATISTICS 1994-95

Agricultural Statistics are collected in Kerala from very early times by this department through land utilization surveys. Quality of the data and estimates prepared were not have the desired precision as the coverage was very small and sampling procedure was adopted. In this context Government of India came up to finance a scheme of establishment of an Agency for Reporting Agricultural Statistics as part of the timely Reporting Survey implemented in other reporting states. In order to have a more comprehensive data on Agricultural Statistics in the non reporting states like Kerala, West Bengal and Orissa a variant of the TRS scheme called EARAS has been introduced in our states. Originally the scheme was intended to collect Agricultural Statistics like Area, production, land utilisation, irrigation from 20% of the selected villages in each year in a phased manner and in the course of the fifth year entire crops and area were enumerated in the whole state.

Later with the introduction of crop insurance scheme by Government of India lower level estimates of Agricultural production and average yield become necessary. Consequently EARAS scheme was further revised in 1987-88. The object of the scheme is to prepare annual statistics of land use, area and production of crops at district level with the break up for block/municipality/corporation under the scheme each block/municipality/corporation are divided into a number of investigator zones. Blocks in rural areas, Municipalities/Corporations in urban areas are treated as stratum. In each investigator Zone complete wet and dry survey numbers will be listed out from the basic tax register maintained in the village offices which will form the basic frame for the survey. From this frame 100 key survey numbers will be selected at random. From the basic frame these survey numbers will be allocated between wet and dry land plots in proportion to the area in each category of wet and dry land plots. The investigator is expected to form a cluster by identifying the adjacent 4 or more survey numbers in a systematic manner so as to have a minimum of five acres for enumeration. Hence, the investigator has to enumerate five hundred Survey numbers annually in the respective zone.

In the respective zones we may have to enumerate the selected survey numbers by identifying the crops and collecting land utilization and irrigation particulars and simultaneously conduct crop cutting experiment for all major crops and few selected minor crops. For this he is visiting wet land plots in three seasons and dry land plots in two times.

These data collected through sample surveys from selected clusters will be consolidated, compiled and estimates prepared at blocks and districts level. Area cultivated under each crops is identified through the enumeration method and mean yield of each crops is prepared from the crop cutting experiments conducted for the respective crops. Based on these two information estimates for the block and district are prepared by using appropriate multiplier.

The data collected through field surveys during 1994-95 have been compiled and estimates prepared are published for the state is given in the following tables.

AGRICULTURAL STATISTICS 1994-95

TABLE 1

Classification of area under Land Utilisation

Name of District	(Area in hectares)													
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
	Total Geographical area	Forest	Land put to non-agricultural use	Barren & uncultivable land	Permanently pastures and other grazing land	Land under misc. crops	Cultivable waste	Fallow current	Current fallow	Net area sown	Area sown once	Total cropped area	Remarks	
Thiruvananthapuram	218600	49861	21718	780	25	116	724	507	752	144117	53785	197902		
Kollam	251838	81438	22663	236	16	155	476	635	1494	144725	73602	218327		
Pathanamthitta	268750	155214	16161	514	4	128	509	691	1453	94076	26250	120326		
Alappuzha	136058	..	23947	236	4	153	2936	1564	4267	102951	62513	165464		
Kottayam	219550	8141	21522	1754	39	139	824	2162	2907	182062	39776	221838		
Idukki	514962	260907	17320	12422	601	10420	16112	804	1694	194682	26956	221638		
Ernakulam	235319	8123	35339	1556	64	651	3260	2394	2509	181423	44704	226127		
Thrissur	299390	103619	28527	1037	67	744	3115	2961	5579	153741	61004	214745		
Palakkad	438980	136257	37563	7296	84	6035	23607	8573	10087	209478	135774	345252		
Malappuram	363230	103417	24340	4707	81	1768	8483	3800	7877	208757	62254	271011		
Kozhikode	233330	41386	21906	1439	49	1468	922	853	1930	163377	57646	221023		
Wayanad	212560	78787	8456	946	91	2344	2874	1283	2012	115767	78371	194138		
Kannur	296797	48734	26928	5204	182	5030	4258	1077	2892	202492	75090	277582		
Kasaragode	196133	5625	16445	10307	148	3234	14341	1843	2348	141842	11095	152937		
State	3885497	1081509	322835	48434	1455	32385	82441	29147	47801	2239490	808820	3048310		

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

TABLE 2

Area under Crops 1994-95

(Area in hectares)

Name of District	Paddy					Jowar	Ragi	Other Cereals	Total Cereals/ Millets	Pulses including Tur			Total Food Grains	
	Autumn	Winter	Summer	Total	Autumn					Winter	Summer	Total		
												(2)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Thiruvananthapuram	8307	8992	39	17338	..	..	..	17338	1190	63	1890	3143	20481
Kollam	11589	13682	11	25202	..	..	3	25285	209	34	922	1165	26450
Pathanamthitta	2930	4178	3937	11045	..	..	..	11045	6	13	93	112	11157
Alappuzha	19307	22336	13221	54864	..	..	2	54866	2	40	202	244	55110
Kottayam	8113	8726	8167	25006	..	..	..	25006	..	14	1347	1361	26367
Idukki	2204	2492	..	4696	..	112	94	4902	44	15	1123	1182	6084	
Ernakulam	21834	23044	15140	60018	12	10	48	60088	13	3	2260	2276	62364	
Thrissur	20387	29824	11933	62144	..	1	5	62150	201	229	119	549	62699	
Palakkad	70163	66840	3063	140066	4584	1615	2974	149239	103	6347	190	6645	155884	
Malappuram	15457	22658	3948	42063	14	8	15	42100	220	12	283	515	42615	
Kozhikode	1117	6409	931	8457	2	17	..	8476	213	12	328	553	9029	
Wayanad	..	17272	5500	22772	2	..	4	22778	2	1	461	464	23242	
Kannur	10790	6207	305	17302	1	..	2	17305	2	600	866	1468	18773	
Kasaragode	6527	5128	582	12237	5	..	53	12295	8	189	223	420	12715	
State	198725	237788	66777	503290	4620	1763	3200	512873	2218	7572	10307	20097	532970	

TABLE 2—(Contd.)

Name of District (1)	Sugar Crops				Spices and Condiments										Total (28)
	Sugar- Cane (15)	Palmyrah (16)	Total (17)	Pepper (18)	Chillies (19)	Ginger (20)	Turmeric (21)	Carda- mon (22)	Areca nut (23)	Tama- rind (24)	Cloves (25)	Nutmeg (26)	Cinna- mon (27)		
Thiruvananthapuram	..	243	243	5021	..	64	23	174	1315	1590	84	56	7	8334	
Kollam	1	23	24	8148	..	445	153	..	1846	843	36	49	6	11526	
Pathanamthitta	753	32	785	4792	..	647	76	913	1128	202	86	226	16	8086	
Alappuzha	306	107	413	2008	..	187	19	..	1703	392	25	88	12	4434	
Kottayam	160	352	512	7906	..	340	269	345	946	295	196	436	25	10758	
Idukki	2333	164	2497	42858	..	1461	358	32536	2054	163	104	321	24	79879	
Ernakulam	15	259	274	6799	..	1042	845	..	2741	767	75	1679	29	13977	
Thrissur	..	501	501	4983	..	132	164	..	6637	1762	85	927	11	14701	
Palakkad	2703	5189	7892	3206	350	1610	590	3685	2948	5317	5	32	44	17787	
Malappuram	4	1171	1175	8497	2	166	250	70	12635	1977	18	148	22	23785	
Kozhikode	..	310	310	12640	..	324	453	1194	8364	927	32	88	27	24049	
Wayanad	5	336	341	39814	..	6711	236	4350	2667	172	7	17	18	53992	
Kannur	2	228	230	32616	30	533	452	130	13375	1112	12	94	65	48419	
Kasaragode	15	111	126	7432	254	204	50	840	13317	261	11	27	10	22406	
State	6297	9026	15323	186720	636	13866	3938	44237	71676	15780	776	4188	316	342133	

TABLE 2—(Contd.)

Name of District	Fresh Fruits					Dry Fruit			Total Fruits		
	(1)	(29)	(30)	(31)	(32)	(33)	(34)	(35)		(36)	(37)	(38)
	Jack	Mango	Banana	Other Plantain	Pineapple	Pappaya	Other fresh fruits	Total	Cashewnut	Total	Total Fruits
Thiruvananthapuram	5279	5591	810	5424	273	733	653	18763	2871	21634	
Kollam	5641	5944	1474	4115	211	800	361	18546	5759	24305	
Pathanamthitta	2991	1535	1392	2326	199	471	450	9364	1286	10650	
Alappuzha	2549	5240	249	2674	91	788	660	12251	6442	18693	
Kottayam	3462	2193	1833	3895	637	719	547	13286	714	14000	
Idukki	3671	1938	834	2266	648	473	352	10182	709	10891	
Ernakulam	3685	3695	2757	3660	2468	1208	525	17998	1851	19849	
Thrissur	3733	5982	1972	5091	285	1408	791	19262	5039	24301	
Palakkad	4001	6823	3275	3866	67	1000	627	19659	7412	27071	
Malappuram	7368	8373	5127	3223	331	1711	766	26899	12669	39568	
Kozhikode	10519	10522	1091	2342	209	1589	435	26707	3653	30360	
Wayanad	8016	4052	2353	1910	45	313	458	17147	667	17814	
Kannur	10098	11238	1448	4488	663	1662	510	30107	30789	60896	
Kasaragode	2302	2785	536	2135	53	351	256	8418	23590	32008	
State	73315	75911	25151	47415	6180	13226	7391	248589	103451	352040	

TABLE 2—(Contd.)

Name of District	Vegetables										
	(1)	Drumstick (39)	Tubers (40)	Sweet Potato (41)	Tapioca			Total (45)	Other Vegetables (46)	Total Vegetables (47)	Total Food Crops (48)
					Autumn (42)	Winter (43)	Summer (44)				
Thiruvananthapuram	2768	2104	54	6857	10634	4613	22104	969	27999	78691	
Kollam	1671	6820	2	5077	18670	843	24590	567	33650	95955	
Pathanamthitta	570	3892	2	923	6074	560	7557	754	12775	43453	
Alappuzha	1148	3578	6	585	3922	218	4725	1048	10505	89155	
Kottayam	993	1245	2	1949	5577	1011	8537	1864	12641	64278	
Idukki	537	1391	8	1669	4927	26	6622	2535	11093	110444	
Ernakulam	899	1092	13	1796	2322	950	5068	1492	8564	105028	
Thrissur	1156	1119	19	978	1143	593	2714	2857	7865	110067	
Palakkad	1627	2423	1196	1929	4112	3431	9472	3824	18542	227176	
Malappuram	2779	1862	233	3805	2866	1974	8645	2913	16432	123575	
Kozhikode	3235	1839	51	1554	1760	377	3691	726	9542	73290	
Wayanad	540	2879	14	578	738	957	2273	1371	7077	102466	
Kannur	1718	1512	55	810	5286	461	6557	1790	11632	139950	
Kasaragode	489	283	335	281	1290	163	1734	1064	3905	71160	
State	20130	32039	1990	28791	69321	16177	114289	23774	192222	1434688	

TABLE 2—(Contd.)

Name of District	Non Food Crops										Total Non-food Crops					
	Oil Seeds			Fibre Drugs & Narcotics			Plantation Crops									
	Ground nut	Sesamum	Coconut	Others	Total	Cotton	Betal leaves	Toba- lemon grass	Total	Tea		Coffee	Rubber	Cocoa		
(49)	(50)	(51)	(52)	(53)	(54)	(55)	(56)	(57)	(58)	(59)	(60)	(61)	(62)	(63)	(64)	
Thiruvananthapuram	..	15	89706	82	89803	..	50	..	3	53	965	..	25674	167	26806	116662
Kollam	..	1597	81528	98	83223	..	49	..	2	51	1258	..	34771	50	36079	119353
Pathanamthitta	..	37	25807	23	25867	..	73	..	..	73	91	..	46122	940	47153	73093
Alappuzha	..	1839	68495	97	70431	..	46	..	2	48	..	..	3543	401	3944	74423
Kottayam	..	73	40765	30	40868	..	30	..	15	45	2063	..	108433	1981	112477	153390
Idukki	..	104	16676	34	16814	..	7	..	898	905	23435	13058	37041	1894	75428	93147
Ernakulam	..	889	61241	75	62205	..	50	..	8	58	2	..	34803	488	55293	117556
Thrissur	..	391	86206	191	86788	..	27	..	3	30	496	..	12493	190	13079	99897
Palakkad	14312	450	45503	771	61036	12289	..	..	62	62	825	2291	25428	11	28555	101942
Malappuram	..	1031	106789	142	107962	..	580	..	16	596	174	..	26043	14	26231	134789
Kozhikode	..	21	125709	34	125764	..	35	..	21	56	..	..	17494	402	17896	143716
Wayanad	..	65	6980	61	7106	..	..	..	657	657	5436	66999	5255	157	77847	85610
Kannur	..	30	99625	100	99755	..	14	..	241	255	..	..	27173	241	27414	127424
Kasaragode	..	21	55933	55	56009	..	19	173	48	240	..	..	19027	71	19098	75347
State	14312	6563	910963	1793	933631	12289	980	173	1976	3129	34745	82348	443300	6907	567300	1516349

TABLE 2—(Contd.)

Name of District	Fodder grass	Green manure crops	Other non-food crops	Ramacham	Kacholam	Sunflower	Kolincy	Total	Total Non-food crops	Total Cropped Area
(1)	(65)	(66)	(67)	(68)	(69)	(70)	(71)	(72)	(73)	(74)
Thiruvananthapuram	103	429	2017	..	..	..	..	2549	119211	197902
Kollam	277	611	2131	..	..	..	..	3019	122372	218327
Pathanamthitta	222	731	2756	..	2	..	69	3780	76873	120326
Alappuzha	140	216	1529	..	1	..	..	1886	76309	165464
Kottayam	226	317	3611	..	16	..	..	4170	157560	221838
Idukki	395	248	17311	..	38	55	..	18047	111194	221638
Ernakulam	62	323	3151	..	7	..	..	3543	121099	226127
Thrissur	27	547	4191	16	..	..	..	4781	104678	214745
Palakkad	163	2006	13965	..	..	..	..	16134	118076	345252
Malappuram	9	4617	8021	..	..	..	..	12647	147436	271011
Kozhikode	42	1494	2470	..	11	..	..	4017	147733	221023
Wayanad	71	434	5557	..	..	..	..	6062	91672	194138
Kannur	216	1197	8795	..	..	..	..	10208	137632	277582
Kasaragode	78	1943	4306	..	..	..	103	6430	81777	152937
State	2031	15113	79811	16	75	55	172	97273	1613622	3048310

TABLE 3
Production of Important Crops 1994-95

Name of District	Rice				Total	Jowar	Ragi	Other Cereals	Sugarcane	Black Pepper	Dry Chillies	Pulses	Cured Ginger
	Autumn	Winter	Summer	(Production in Tonnes)									
	(2)	(3)	(4)	(5)									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Thiruvananthapuram	13882	16289	45	30216	..	..	..	..	1375	..	721	230
Kollam	20783	26031	15	46829	..	..	3	9	2731	..	1677	1546
Pathanamthitta	5032	8238	11694	24984	..	..	..	5693	1599	..	86	1749
Alappuzha	10402	55924	32914	99240	..	..	2	1460	274	..	214	671
Kottayam	12093	21731	22278	56102	..	..	..	1372	1018	..	1193	792
Idukki	4703	5395	..	10098	..	91	73	19095	17065	..	978	4516	
Ernakulam	37334	40245	23469	101048	6	8	37	129	1291	..	1630	2936	
Thrissur	30370	58686	25004	114060	..	..	4	..	745	..	393	474
Palakkad	141969	163260	8539	313768	2333	1306	2312	25999	369	375	5006	5777	
Malappuram	22379	39457	8789	70825	7	6	15	34	944	2	383	596	
Kozhikode	1045	8317	1181	10543	1	14	..	..	2077	..	419	1163
Wayanad	..	38011	12481	50492	1	..	3	43	21777	..	354	26654	
Kannur	16003	9641	422	26066	1	..	2	17	6912	28	1146	1912	
Kasaragode	11180	8632	982	20794	3	..	41	129	1079	239	327	732	
State	327375	499877	147813	975065	2352	1426	2492	53980	59256	644	14527	49748	

TABLE 3—(Contd.)

Name of District	Cured Turmeric	Ground nut	Arecanut Betelnut (Million Nuts)	Tama-rind	Mango	Jack (Nos. 000's)	Banana	Other Plan-tain	Pinapple	Tapioca	Sweet Potato	Pappaya	Drum-stick
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
Thiruvananthapuram	54	..	139	5672	10297	21483	9667	22803	1947	371856	559	4827	4465
Kollam	361	..	313	2269	26963	26615	19625	20174	1995	471457	21	743	3054
Pathanamthitta	179	..	307	472	5320	16309	18929	17081	1882	166908	21	2603	585
Alappuzha	45	..	236	916	12549	8228	3805	13673	450	93794	62	3920	1280
Kottayam	541	..	143	689	9347	17883	29859	24834	6291	188767	21	5180	545
Idukki	844	..	645	381	5489	19259	12828	17280	6128	183898	83	1197	705
Ernakulam	1992	..	516	1792	15748	17960	34591	17373	23663	115151	135	5849	705
Thrissur	387	..	1982	3909	27755	17093	31097	19116	2695	57787	197	6157	1571
Palakkad	1391	10079	447	12421	29080	15328	40274	15987	634	182322	12261	6629	2164
Malappuram	589	..	2479	3789	38251	26227	65533	14783	3130	188381	2017	7391	2907
Kozhikode	1107	..	2299	1121	46611	29161	14994	8757	1977	70623	528	1033	1289
Wayanad	485	..	475	208	17270	28434	32615	12688	334	77966	145	2089	435
Kannur	1190	..	3272	2598	68475	47273	21121	18662	6406	147458	570	8903	1311
Kasaragode	118	..	4213	431	10362	11994	7068	9047	501	27870	3996	2161	732
State	9283	10079	17466	36668	323517	303247	342006	232258	58033	2344238	20616	58682	21748

TABLE 3—(Contd.)

Name of District	Sesamum (27)	Coconuts (Million Nuts)	Cotton	Nutmeg *	Tobacco *	Lemon grass *	Tea †	Coffee ‡	Rubber S	Cocoa	Processed Cardamom ¶	Raw Cashew nuts
(1)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)
Thiruvananthapuram	1	524	..	38	..	1	433	..	25437	102	1	2921
Kollam	647	430	..	33	..	1	425	..	36773	44	..	4788
Pathanamthitta	13	128	..	153	..	..	..	..	49924	604	33	1012
Alappuzha	325	347	..	23	..	1	..	..	2973	443	..	2399
Kottayam	33	176	..	296	..	2	141	..	113225	977	26	205
Idukki	41	71	..	218	..	60	47530	@8320	36540	1492	4200	327
Ernakulam	205	389	..	1139	..	1	..	..	58206	228	..	840
Thrissur	123	614	..	668	..	3	1553	..	13790	44	..	2841
Palakkad	116	166	19834	22	..	12	2000	1460	20414	4	204	2748
Malappuram	324	577	..	100	..	2	..	..	22330	4	2	6312
Kozhikode	6	936	..	60	..	1	..	..	18124	152	..	2050
Wayanad	8	14	..	12	..	11	8633	36460	2879	72	245	408
Kannur	14	631	..	64	..	6	..	..	24506	99	1	53468
Kasaragode	3	333	..	18	324	1	..	..	17709	23	8	15229
State	1859	5336	19834	2844	324	102	60715	46240	442830	4288	4720	95548

* Production is estimated on the basis of yield rate obtained from C.C. surveys conducted during previous years as no C. C. experiments were conducted for this crop during 1994-95

† Tea Board figures related 1994-95

‡ Coffee Board figures related 1994-95

S Rubber Board figures related 1994-95

¶ Spices Board figures related 1994-95.

@ Refers the Travancore area.

TABLE 4
Net Area Irrigated (Source-wise) 1994-95

(1) Name of District	(2) Govt. Canal	(3) Private Canal	(4) Govt. Tanks	(5) Private Tanks	(6) Govt. Wells	(7) Private Wells	(8) Minor Lift Irrig.	(9) Other Sources	(10) Total
Thiruvananthapuram	3744	213	446	128	13	648	520	1133	6845
Kollam	563	27	30	82	16	559	222	500	1999
Pathanamthitta	570	111	6	71	28	332	251	3021	4390
Alappuzha	2498	21	60	17340	26	1179	2667	3459	27250
Kottayam	2770	255	210	264	16	346	936	3002	7799
Idukki	538	67	35	262	11	43	279	2428	3663
Ernakulam	20588	193	308	2591	220	10634	8680	10063	53277
Thirssur	22211	820	428	13091	264	17715	5264	18557	78350
Palakkad	51107	190	278	4247	89	18581	1534	6510	82536
Malappuram	1229	623	81	5967	32	9383	2703	14253	34276
Kozhikode	2183	79	146	364	16	1028	663	1001	5480
Wayanad	94	78	18	21	6	12	62	4725	5016
Kannur	232	442	56	662	48	5245	32	8103	14820
Kasaragode	306	345	51	6121	23	9353	265	15793	32257
State	108633	3464	2153	51211	808	75063	24078	92548	357958

TABLE 5
Gross Area under Irrigation (Crop-wise) 1994-95

Name of District (1)	Paddy (2)	Tubers (3)	Vegetables (4)	Coconut (5)	Areca nut (6)	Cloves and Nutmeg (7)	Other Spices/ Condiments (8)	Banana (9)	Betal leaves (10)	Sugar- cane (11)	Other trees (12)
Thiruvananthapuram	3366	19	501	1045	11	35	54	691	50	..	1110
Kollam	1583	16	286	4740	19	21	17	130	49	1	750
Pathanamthitta	7131	8	496	25	3	78	8	234	73	64	51
Alappuzha	41273	511	619	24318	12	76	520	4	46	74	2328
Kottayam	10097	16	340	206	11	196	116	74	30	11	712
Idukki	2114	7	11	312	118	28	214	75	7	675	516
Ernakulam	43824	10	312	18243	1005	706	123	1746	4	6	621
Thrissur	62815	43	581	48855	490	114	685	1654	21	..	603
Palakkad	62730	14	774	15637	2026	24	415	1704	..	1412	1973
Malappuram	20653	139	1010	13385	4425	18	93	1911	510	4	1235
Kozhikode	873	12	294	1735	86	9	7	383	17	..	1116
Wayanad	5198	4	128	16	5	7	5	149	..	2	930
Kannur	5603	33	74	14279	3528	18	118	1076	14	2	910
Kasaragode	5512	27	250	29690	11370	12	135	500	9	9	1250
State	272772	859	5676	172486	23109	1342	2510	10331	840	2260	14105

37

Government of Kerala
1997

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