



Government of Kerala

**Agricultural Statistics
2007 – 2008**

**Department of Economics & Statistics
Kerala**

February 2009

PREFACE

'Agricultural Statistics' is one of the important annual publications of the Department of Economics and Statistics, Government of Kerala. Department publishes the report in every agricultural year. This report presents the results of the sample surveys conducted in Kerala during the period from 01.07.2007 to 30.06.2008 under the 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 included in this report. Land utilization details under thirteen way classifications is incorporated in the report. Comparative study of important crops in Kerala for the year 1961-'62 and 2007-'08, farm wholesale prices of important crops, rainfall during the year 2007-'08, district wise agricultural income for the year 2005-'06 are also included in this report.

This report was prepared in the Agricultural Statistics Division of the Directorate of Economics and Statistics. I hope this report will be much useful to those engaged and interested in Agricultural Sector, Planners, Administrators, Research scholars, etc.

Suggestions for the improvement of future issues of this report are welcome.

*Thiruvananthapuram
2/2/2009*

**M.R. BALAKRISHNAN
DIRECTOR**

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INTRODUCTION

The report "Agricultural Statistics" is annually published by the department of Economics and Statistics which contains the estimates of area under various crops, land utilization pattern, crop production and other major aspects of agricultural sector in Kerala. Initially, the data collected through land utilization surveys was used for the preparation of Agricultural statistics. But the data collected and estimates prepared were inadequate on account of the small sampling frame and limited coverage. With a view to obtain more comprehensive data on Agricultural Statistics in non-reporting states like Kerala, West Bengal and Orissa, the Government of India sponsored a scheme namely 'Establishment of an Agency for Reporting Agricultural Statistics (EARAS)'. In Kerala, the scheme is 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 villages in each year in a planned manner and covering the entire state within 5 years. EARAS scheme was revised in 1987-'88 with a view to prepare district level estimates with breakup for Block/ Municipality/ Corporation. Further, during 1993-'94, the Investigator Zones were re-organized by suiting the villages to Panchayats. From 2000-'01 onwards, the part panchayats were discontinued and each Investigator Zone was formed with full panchayat/ panchayats.

The area under the crops and yield rate of the crops are the most vital components in the estimation of crop production. The area statistics are collected through the Area Enumeration Survey and the yields of crops are collected through the General Crop Estimation Survey conducted under the EARAS scheme.

Sampling Design

Stratified multistage random sampling method is followed in the survey. The C.D.Block/ Municipality (Municipalities with an area of less than 10 square km are merged with the adjoining Blocks)/ City Corporation is treated as a stratum. The Blocks are divided into a number of Investigator Zones depending on the area of the block and nature of land. City Corporation is divided into three Investigator Zones. Each Municipality having an area of 10 square km or more is treated as a single Investigator Zone. The Investigator Zones within the stratum form the first stage of

sampling units. Clusters within each selected Investigator Zone form the second stage units and the survey number of plots within each selected cluster forms the ultimate of sampling units.

Sampling Size

In each Investigator Zone, 100 clusters are allocated among the dry lands and wet land in proportion to the area under these categories in the zone. 100 survey numbers/ subdivision numbers are selected from the Basic Tax Register by using circular systematic random sampling method. These are the key plots for cluster formation.

Investigators identify the survey number of the key plots and 4 or more survey numbers/ subdivision numbers adjacent to the key survey number (clubbed survey numbers, if the area of survey numbers are small) as per the Instruction Manual of the survey. Wet and Dry land clusters are enumerated separately. Wetland clusters are enumerated in all three seasons-Autumn, Winter and Summer and dry land plots are enumerated at least two times for Area enumeration during the Agriculture year. The area under the crops of each season-annual, perennial, and horticulture crops etc., land utilization details, irrigation particulars, etc. are collected by the investigators at the time of area enumeration. Simultaneously, Investigators select and conduct crop-cutting experiments of all major crops and the selected minor crops for the estimation of yield rates and production of the respective crops

The data on mean yield of crops thus obtained are provided to the National Agriculture Insurance Company for assessing the crop damages of the selected crops in the respective seasons and to pay compensation to the concerned farmers insured crops under the National Agricultural Insurance Scheme (NAIS).

**A BRIEF ANALYSIS OF THE AREA UNDER IMPORTANT CROPS
DURING 2007-'08**

Land Utilization:

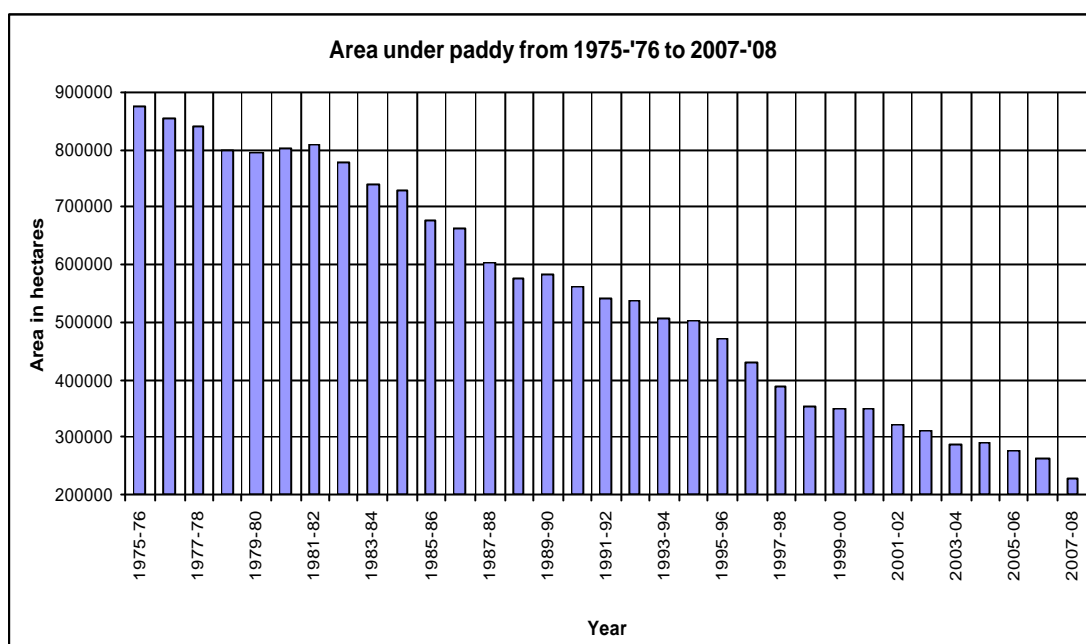
Out of the total geographical area of 3886287 hectares, the net area under cultivation during 2007-'08 was 2089029 hectares in the state. This forms only 53.75% of the total area. About 27.83% of the total area was forest, 9.56% non-agricultural use and 0.66 % barren and uncultivable land. During 2007-'08, the area under marshy land, still water, water logged and social forestry were 0.009%, 2.183%, 0.072% and 0.081% respectively of the total area. In the case of fallow other than current fallow, Palakkad district occupied the first position followed by Thrissur and Ernakulam districts. The reason for increasing the area of other fallow land may be mainly due to un-remunerative nature of farming. The district wise estimates of area under different classifications on land use are presented in Table-2.

Area of Important Crops:

Kerala's cropping pattern is characterized by predominance of perennial crops. The major crops cultivated in the state are Paddy, Coconut, Arecanut, Tapioca, Rubber, Pepper, Cashew, Banana, Plantain, Jack, Coffee, Tea and Cardamom. Estimated area under important crops in Kerala are given in Table-1.

Paddy:

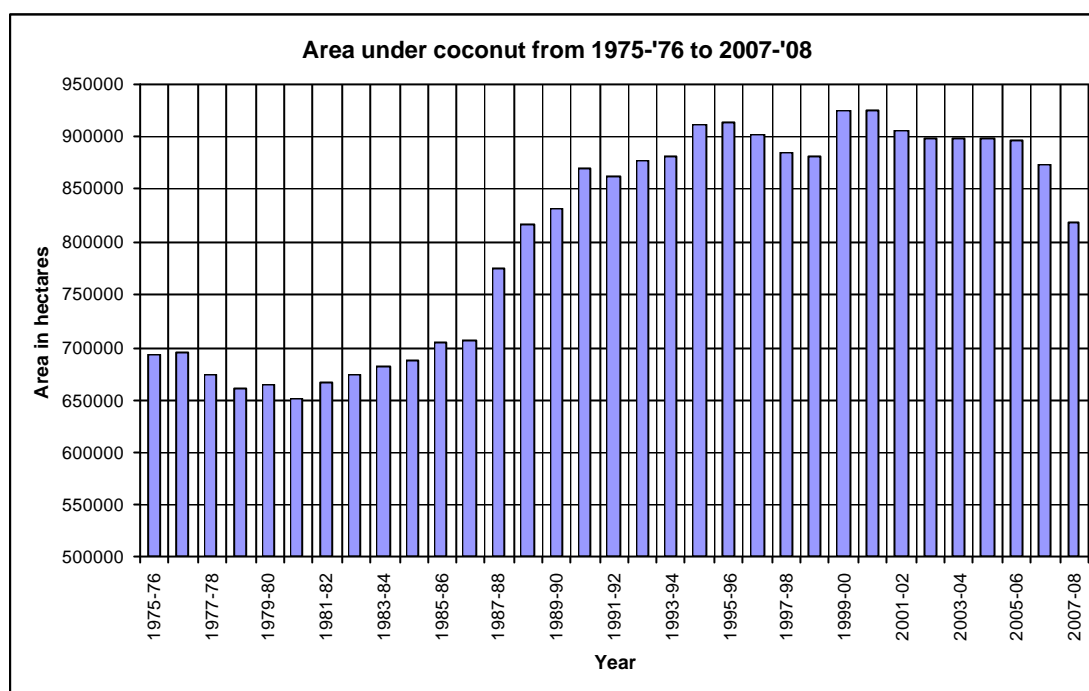
Though rice is the main foodgrain in Kerala, the area under paddy cultivation in the state is decreasing regularly. During the year 1961-'62, the total paddy area was 7.53 lakh hectares. During 1975-'76, the area of paddy was 8.76 lakh hectares. Thereafter a steady decrease in paddy cultivation and reached to 2.29 lakh hectares during 2007-'08. This reveals that 73.86 % of paddy area decreased within the period of 32 years. But at national level, the area of paddy cultivation shows an increasing trend. Graphical presentation of the decrease in the area of paddy cultivation from 1975-76 to 2007-08 is as follows.



Season wise analysis of paddy for the Agricultural year 2007-'08 revealed that the area under paddy in autumn, winter and summer seasons was 0.78, 1.06, and 0.45 lakhs hectares respectively. It shows that the paddy cultivated area was highest during winter season. District wise analysis revealed that Palakkad district occupied the first position with an area of 99173 hectares followed by Alappuzha district with an area of 33335 hectares, whereas Pathanamthitta district was in the last position having an area of 2001 hectares under paddy cultivation. Variety-wise analysis of paddy shows that the total area under cultivation of High-Yielding Variety (HYV) of paddy crop during autumn season was 93.68 % whereas the area of local varieties of paddy was 6.32 %. The corresponding figures for winter and summer seasons were 79.53 % (HYV), 20.47 % (Local) and 98.69 % (HYV), 1.31 % (Local) respectively.

Coconut:

Area under coconut cultivation was 5.05 lakh hectares during 1961-'62 and 6.93 lakh hectares during 1975-'76. During 2007-'08, it was 8.19 lakh hectares which shows 62 % increase within 46 years. The area under coconut cultivation was reached maximum during 2000-'01 i.e. 925783 hectare. The Graphical representation of rise and fall in the area of coconut from 1975-'76 to 2007-'08 is as follows.



Considering the area under cultivation of crops, coconut occupied the first place among them. District-wise analysis during 2007-'08 revealed that Kozhikode district was the first position in the area under coconut cultivation with 15.01 % of the total area under coconut cultivation in the state followed by Malappuram district with 12.79 %, whereas Wayanad district stands in the last position with 1.5 % of the total area of coconut.

Other oilseeds:

During 2007-'08, the area of Sesamum and Groundnut cultivated in the state was 533 and 2911 hectares respectively

Arecanut:

Area under cultivation of Arecanut during 2007-'08 is larger than that of 1961-62. But the area of Arecanut during 2007-2008 (99787) was less than in 2006-'07.

Among the districts, Malappuram ranks first with 17.55 % of the total Arecanut cultivated area. Thiruvananthapuram was the lowest Arecanut cultivated district in the state during 2007-'08 with only 1.08 % of the total Arecanut cultivated area in the state.

Spices and condiments:

Black Pepper, ginger, turmeric and cardamom are the other important spices and condiments crops cultivated in the state. Out of the 3.6 lakh hectares of spices and condiments during 2007-'08, 48.76 % was under pepper cultivation. Similarly the area of cardamom and ginger during the period was 11.04% and 2.46%. Out of the total pepper cultivated area, 37.19 % was in Idukki district. In the case of cardamom cultivation also, Idukki district stood first. Wayanad district was the largest area under ginger, cultivation while turmeric cultivation was maximum in Palakkad District.

From 1975-'76 onwards, the area of spices and condiments shows an increasing trend up to 2005-'06, and the corresponding area of spices and condiments was 4.38 lakh hectares. But during 2006-'07, the area decreased to 4.11 lakh hectares. During 2007-'08, it again decreased to 3.60 lakh hectares. The decrease in area under pepper, ginger, turmeric and vanilla was 18.9%, 20%, 20% and 35.8% respectively.

Pulses:

The area under pulses shows a decreasing trend in the state. During 1975-'76, the total area under pulses including tur was 37485 hectares. During 2007-08, the area was only 4355 hectares. This reveals an alarming decrease of 88.38%. Comparing the area of pulses with the last year (2006-07), it decreased to 36.61% during 2007-'08.

Cashew:

During 1974-75 the total cashew cultivated area in the state was 1.1 lakh hectares. During 1983-'84, the area of cashew increased to 1.42 lakh hectares. Thereafter the area shows a decreasing trend. Comparing the area of 2006-'07 and 2007-'08, the area was decreased to 17 %.

Even though cashew crops earned good foreign earnings in each year, the area of cashew cultivation shows a decreasing trend in the state.

Kannur and Kasargod districts stand in the first and second positions in cashew cultivation during 2007-'08.

Tapioca:

Tapioca was one of the main food crops in the past so the crop was cultivated extensively in the state. During 1975-'76, the area under tapioca cultivation was 3.26 lakh hectares. Thereafter the area of tapioca was decreased. The total tapioca cultivated area was 83990 hectares only during 2007-'08, out of which the area in Autumn, Winter and Summer seasons were 16190, 28051 and 39749 hectares respectively. The area of tapioca cultivation was highest in summer season. Kollam the largest and Kasaragod the smallest tapioca cultivated districts in the state during 2007-08.

Plantation crops:

The area under plantation crops shows an increasing trend in the state. Analysing the cropping pattern of the state, a good portion of land under tapioca cultivation has been shifted to rubber cultivation. During 1975-'76, the total area under plantation crops was only 2.86 lakh hectares and the same has increased to 126 % within 32 years. Out of the total area of 6.47 lakh hectares under plantation crops during 2007-'08, the area of crops were rubber 79.2 %, coffee 13 %, tea 5.6 % and cocoa 2.2 % respectively. Kottayam district was the largest area under rubber cultivation. The largest area under cultivation of tea and cocoa was in Idukki district and coffee cultivation was largest in Wayanad district.

Banana and plantain:

During 2007-08, the area under cultivation of banana and plantain was 59341 and 51367 hectares respectively, whereas the area of these crops during 1975-76 was 11155 and 41125 hectares respectively. The area under cultivation of banana in the state shows an increasing trend.

Sugarcane:

The total area of sugarcane was 2991 hectares, during 2007-08 whereas it was only 1161 hectares during 2006-'07. This shows an increase of 157.6 % during these period. In 1986-87 the total area under Sugarcane in the state was 8827 Hectares.

Medicinal plants:

The area under medicinal plants during 2007-'08 was 1076 hectares. This shows 97.8 % increase in the area of crops than the last year.

The following statement gives a clear picture about the cropping pattern of the state for 2007-'08.

Net area sown-	2089029 Ha
Total cropped area-	2761094 Ha
Net area irrigated (source wise) -	387545 Ha
Gross area irrigated (crop wise) -	455310 Ha
Net area irrigated (source wise) to net area sown-	18.55 %
Total gross area irrigated-	16.49 %
Total irrigated paddy area-	67.44 %
Total irrigated coconut area-	20.92 %
Cropping intensity	132.17%

TABLE-1
AREA & PRODUCTION OF IMPORTANT CROPS IN KERALA
FOR THE YEAR 1961-62 & 2007-08

Sl. No.	Crop	Area (Ha)			Production (Tonnes)		
		1961-62	2007-08	% Variation	1961-62	2007-08	% Variation
1	Paddy !!	753009	228938	-70	988150	528488	-47
2	Tapioca	236776	83990	-65	1618713	2556455	58
3	Coconut *	505035	818812	62	3247	5641	74
4	Pepper	99887	175679	76	26550	41952	58
5	Cashew	55051	58381	6	84449	52402	-38
6	Rubber	133133	512045	285	24589	753135	2963
7	Groundnut	15993	2911	-82	13533	2154	-84
8	Sesamum	11953	533	-96	2539	171	-93
9	Cotton #	9587	1295	-86	23751	1680	-93
10	Pulses	43546	4355	-90	16889	3294	-80
11	Ginger (Dry)	12050	8865	-26	11185	31726	184
12	Turmeric	4847	3155	-35	4267	7434	74
13	Banana	42693	59341	39	55443	439803	693
14	Tobaco	704	43	-94	915	69	-92
15	Total Cereals	766381	232628	-70	999566	530544	-47
16	Arecanut *	56764	99787	76	8091	23349	189
17	Coffee	18807	84115	347	8145	48650	497
18	Tea	37426	36131	-3	37428	51754	38

* Production in million nuts

Production in bales of 170 Kg.

!! Production in Rice

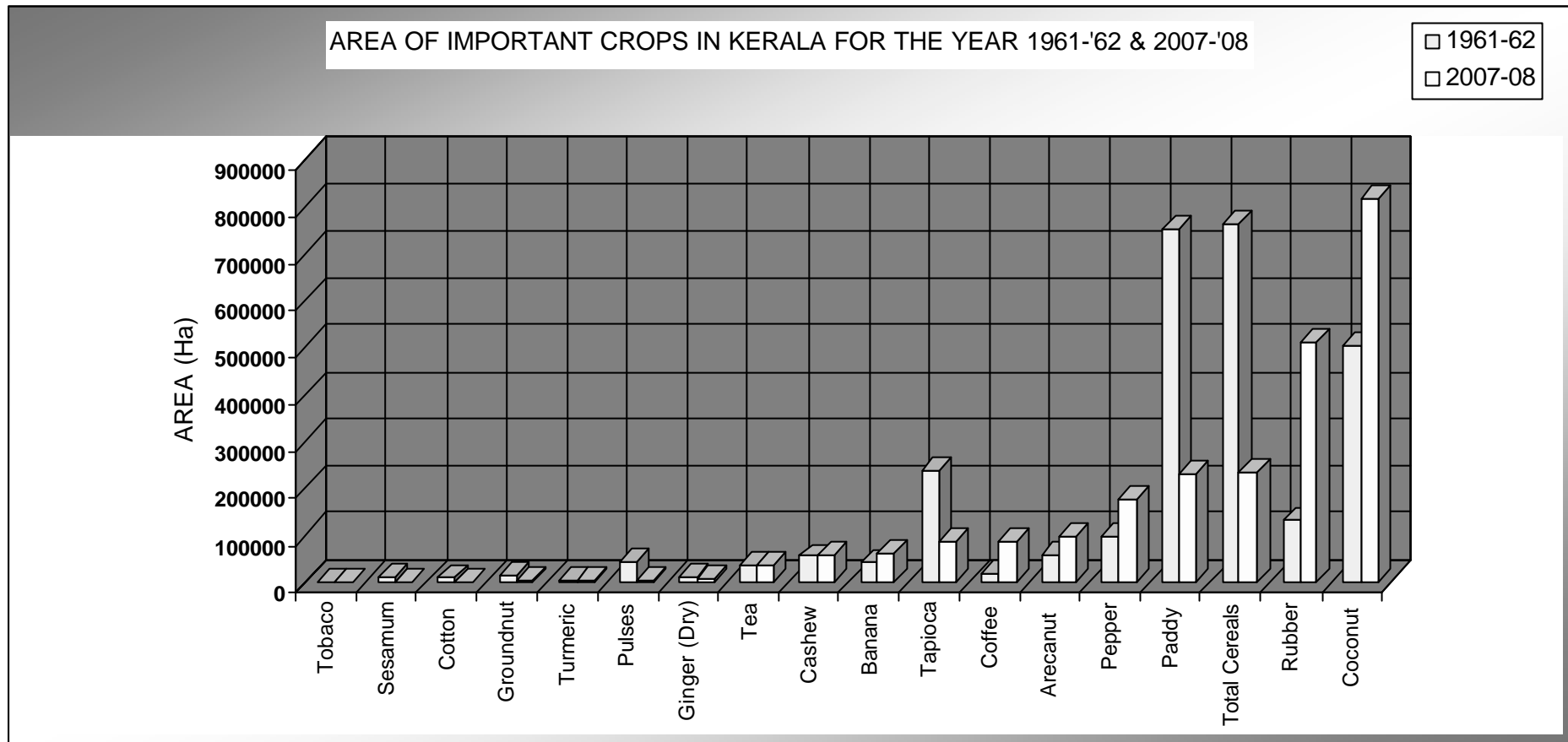
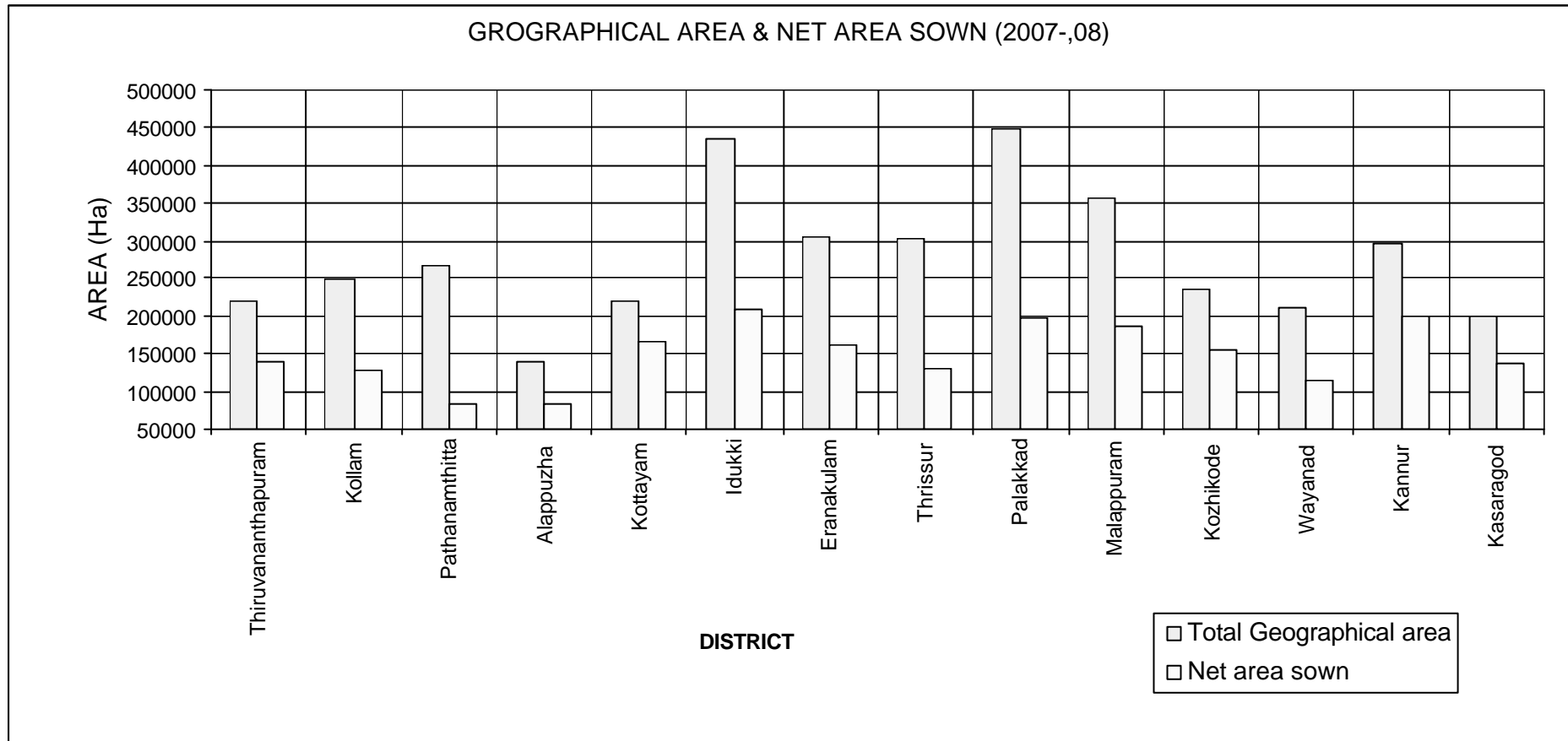


TABLE - 2
CLASSIFICATION OF AREA ON THE BASIS OF LAND UTILISATION

Area in Hectares

Sl. No	District	Total Geographical area	Forest	Land put to non agricultural use	Barren & uncultivable land	Permanent pastures & other grazing land	Land under misc. tree crops	Cultivable waste	Fallow other than current fallow	Current fallow	Marshy Land	Still Water	Water Logged Area	Social Forestry	Net area sown	Area sown more than once	Total cropped Area
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Thiruvananthapuram	218781	49861	23902	318	8	60	474	329	2457	5	406	54	26	140881	17946	158827
2	Kollam	248788	81438	23568	228		115	958	1716	4646	29	7105	574	69	128342	42559	170901
3	Pathanamthitta	265277	155214	14925	381		118	2911	3571	3050	9	2668	160	101	82169	24537	106706
4	Alappuzha	141011		20857	149		153	13956	4462	4634	33	11978	297	13	84479	24976	109455
5	Kottayam	220442	8141	23003	1805		160	6577	3372	3885	17	6362	182	72	166866	49036	215902
6	Idukki	436328	198413	11256	2615	171	248	1517	892	1032		10480	1	1340	208363	87420	295783
7	Eranakulam	305826	70617	42354	405	1	131	8182	5308	9749	108	7912	326	1034	159699	25074	184773
8	Thrissur	302919	103619	35355	424	7	382	6090	6050	14617	2	6781	233	9	129350	44871	174221
9	Palakkad	447584	136257	47237	2902		1822	26037	9131	17142		10115		154	196787	127761	324548
10	Malappuram	355446	103417	38901	2614	8	427	5221	4637	10749		4205	56	50	185161	59493	244654
11	Kozhikode	234641	41386	25423	1084		188	1364	714	2522	50	5037	469	38	156366	55210	211576
12	Wayanad	212966	78787	11673	247	6	148	1054	449	1054	1	4055	13	25	115454	84614	200068
13	Kannur	297112	48734	26256	3513		185	6008	1993	4946	95	6127	389	73	198793	19804	218597
14	Kasaragod	199166	5625	26848	8842	15	2260	12415	2590	2470		1598	26	158	136319	8764	145083
	State	3886287	1081509	371558	25527	216	6397	92764	45214	82953	349	84829	2780	3162	2089029	672065	2761094

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



CLASSIFICATION OF AREA ON THE BASIS OF LAND UTILISATION

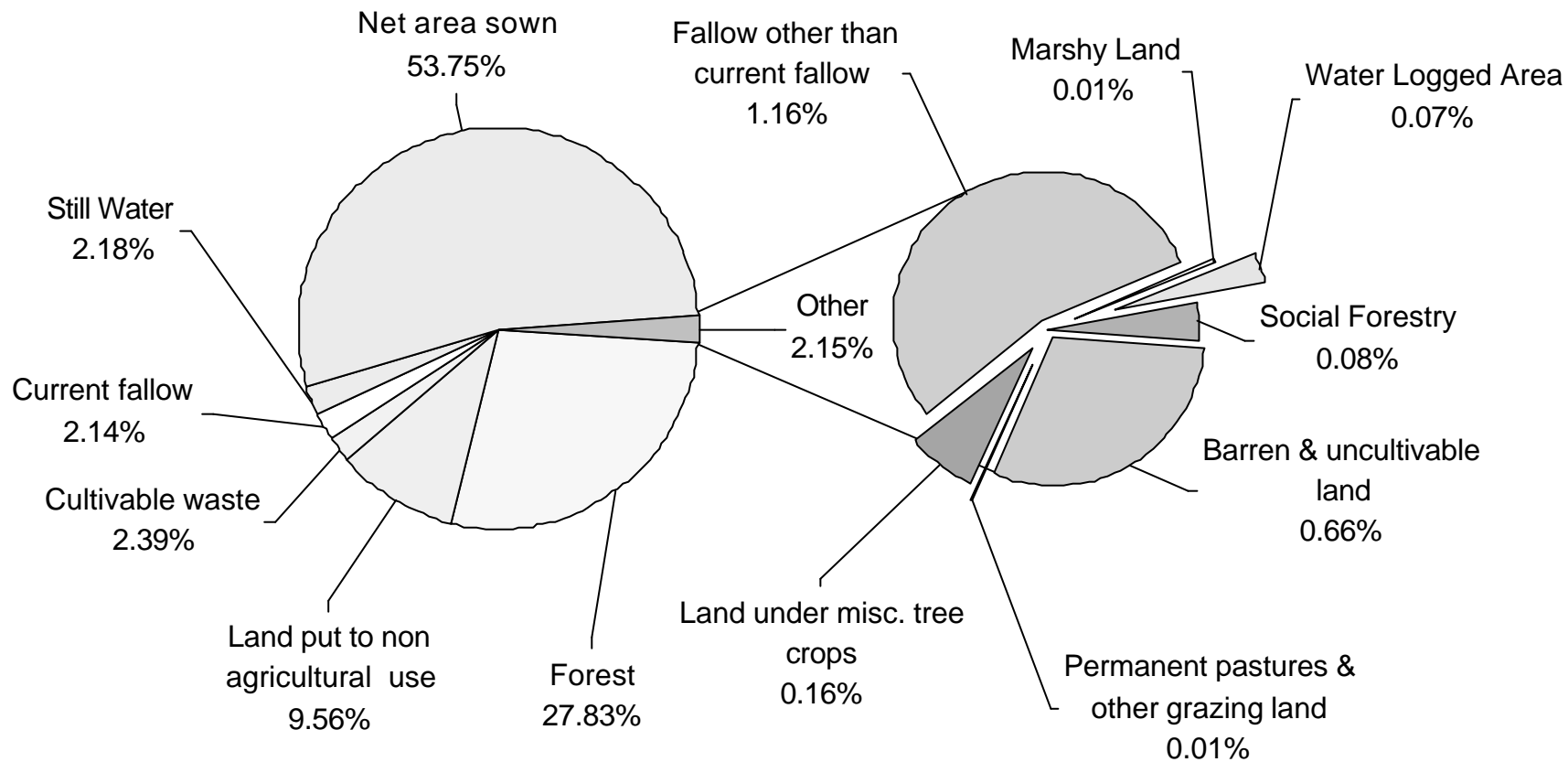


TABLE-3
AREA UNDER CROPS 2007-08

(Area in Ha)

Sl. No.	District	Paddy				Jower	Ragi	Other Cereals	Total Cereals/ Millets	Pulses including Tur				Total Food Grains
		Autumn	Winter	Summer	Total					Autumn	Winter	Summer	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	1309	1481	77	2867		1		2868		2	218	220	3088
2	Kollam	1046	2432	60	3538				3538	5	1	159	165	3703
3	Pathanamthitta	105	567	1329	2001				2001		2		2	2003
4	Alappuzha	7991	10053	15291	33335		1		33336			39	39	33375
5	Kottayam	2661	2319	5989	10969				10969		1	58	59	11028
6	Idukki	462	1670	58	2190	1	1	51	2243	3	22	35	60	2303
7	Ernakulam	4382	5725	2236	12343				12343			296	296	12639
8	Thrissur	4149	11552	8721	24422				24422		1	3	4	24426
9	Palakkad	47083	46004	6086	99173	3065	260	289	102787	86	2296	92	2474	105261
10	Malappuram	1583	6385	1528	9496		2		9498	2	2	141	145	9643
11	Kozhikode	232	2780	788	3800				3800	3	8		11	3811
12	Wayanad		9413	2995	12408	9	1	1	12419	1		349	350	12769
13	Kannur	3470	3641	121	7232				7232		106	331	437	7669
14	Kasaragode	3060	1936	168	5164	8			5172		47	46	93	5265
State Total		77533	105958	45447	228938	3083	266	341	232628	100	2488	1767	4355	236983

(Table - 3 Contd.....)

TABLE-3
AREA UNDER CROPS 2007-08

(Area in Ha)

Sl. No.	District	Sugar Crops			Spices and Condiments												Grand Total
		Sugar Cane	Palmyrah	Total	Pepper	Ginger	Turmeric	Cardamum *	Arecanut	Tamarind	Vanila	Cloves	Nutmeg	Cinnamon	Garlic	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Thiruvananthapuram	1	94	95	5557	94	53	5	1077	1036	38	54	57	2		7973	8068
2	Kollam	2	31	33	8988	441	239	7	2297	605	25	42	74	10		12728	12761
3	Pathanamthitta	45	52	97	3934	545	92	664	1212	246	85	40	513	16		7347	7444
4	Alappuzha	25	15	40	1790	94	28		1696	368	18	11	184	16		4205	4245
5	Kottayam	29	381	410	9866	161	118	200	1917	506	493	52	1221	23		14557	14967
6	Idukki	2105	268	2373	65333	934	287	31241	3451	381	595	833	2102	27	350	105534	107907
7	Ernakulam	8	194	202	6106	337	368		5207	676	322	24	5842	16		18898	19100
8	Thrissur		127	127	4766	75	81		7069	1540	39	19	3712	22		17323	17450
9	Palakkad	772	2471	3243	7081	1240	716	2754	7551	5068	77	8	127	18		24640	27883
10	Malappuram		437	437	7858	75	356	70	17517	1791	37	17	290	25		28036	28473
11	Kozhikode		178	178	9665	105	370	220	12258	690	146	60	521	71		24106	24284
12	Wayanad	1	120	121	25542	4604	270	4106	12213	142	244	37	60	23		47241	47362
13	Kannur	2	81	83	12533	95	138	128	11262	616	171	20	149	49		25161	25244
14	Kasaragode	1	19	20	6660	65	39	368	15060	156	64	35	69	8		22524	22544
State Total		2991	4468	7459	175679	8865	3155	39763	99787	13821	2354	1252	14921	326	350	360273	367732

Source:-

* Spices Board

(Table - 3 Contd.....)

TABLE-3
AREA UNDER CROPS 2007-08

(Area in Ha)

Sl. No.	District	Fresh Fruits								Dry Fruit	Total Fruits
		Jack	Mango	Banana	Plantain	Pineapple	Pappaya	Other Fresh Fruits	Total	Cashew	
1	2	3	4	5	6	7	8	9	10	11	12
1	Thiruvananthapuram	5181	3539	2078	5233	319	1318	503	18171	1222	19393
2	Kollam	6595	5084	2053	4315	222	1610	487	20366	3274	23640
3	Pathanamthitta	2359	1471	2513	2129	323	581	701	10077	893	10970
4	Alappuzha	2248	3608	635	1948	96	969	671	10175	2515	12690
5	Kottayam	4269	2856	3061	3558	1316	1185	583	16828	581	17409
6	Idukki	12495	5298	2559	3899	1083	833	650	26817	1617	28434
7	Ernakulam	5594	3550	6115	4119	6978	1237	661	28254	783	29037
8	Thrissur	4583	5756	3107	4335	146	1698	1073	20698	2846	23544
9	Palakkad	6205	8899	12940	9573	119	1377	1066	40179	3442	43621
10	Malappuram	8053	7152	7308	2717	145	2461	867	28703	6178	34881
11	Kozhikode	9487	8477	1983	2801	189	1923	652	25512	2864	28376
12	Wayanad	8198	4337	12123	1805	55	408	470	27396	1133	28529
13	Kannur	7830	7133	2181	2819	175	1529	1064	22731	19366	42097
14	Kasaragode	2225	2322	685	2116	96	706	583	8733	11667	20400
State Total		85322	69482	59341	51367	11262	17835	10031	304640	58381	363021

(Table - 3 Contd.....)

TABLE-3
AREA UNDER CROPS 2007-'08

(Area in Ha)

Sl. No.	District	Tapioca				Tubers					
		Autumn	Winter	Summer	Total	Elephant Foot Yam	Colocasia	Yam (Kachil)	Sweet Potato	Other Tubers	Total
1	2	3	4	5	6	7	8	9	10	11	12
1	Thiruvananthapuram	3955	4639	7944	16538	576	605	96	16	229	1522
2	Kollam	4183	7898	9200	21281	1528	2117	745	8	247	4645
3	Pathanamthitta	915	2231	3637	6783	1593	1539	610	3	96	3841
4	Alappuzha	230	1264	1022	2516	316	599	218	6	58	1197
5	Kottayam	621	2396	3010	6027	898	674	178	1	29	1780
6	Idukki	932	2779	2663	6374	781	609	202	7	46	1645
7	Ernakulam	1060	1353	2735	5148	381	333	33	4	85	836
8	Thrissur	322	348	851	1521	89	258	5	3	351	706
9	Palakkad	855	1633	737	3225	442	800	30	115	942	2329
10	Malappuram	2015	1287	3794	7096	678	1046	77	132	130	2063
11	Kozhikode	357	829	944	2130	254	664	60	31	129	1138
12	Wayanad	376	495	2197	3068	3411	611	63	16	5	4106
13	Kannur	346	598	887	1831	170	513	30	27	60	800
14	Kasaragode	23	301	128	452	65	123	8	130	4	330
State Total		16190	28051	39749	83990	11182	10491	2355	499	2411	26938

(Table - 3 Contd.....)

TABLE-3
AREA UNDER CROPS 2007-08

(Area in Ha)

Sl. No.	District	Vegetables												Total Food Crops	
		Drumstick	Amaranthus	Bitter Gourd	Snake Gourd	Ladies Finger	Brinjal	Green Chillies	Little Gourd (Koval)	Ash Gourd (Kumbalam)	Pumpkin	Cucumber	Other Vegetables		Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	1998	107	90	134	40	51	103	14	5	21	122	273	2958	51567
2	Kollam	2089	158	107	29	41	79	190	84	58	60	29	321	3245	69275
3	Pathanamthitta	486	81	113	93	43	77	46	95	52	46	58	464	1654	32695
4	Alappuzha	596	235	146	137	44	86	84	77	41	43	91	461	2041	56064
5	Kottayam	535	56	158	234	36	61	43	231	37	36	54	1116	2597	53808
6	Idukki	520	31	369	5	10	25	59	57	22	52	6	5983	7139	153802
7	Ernakulam	598	105	151	92	51	36	63	50	69	58	191	1248	2712	69472
8	Thrissur	1401	59	214	75	58	36	190	44	53	60	47	609	2846	70493
9	Palakkad	2126	117	544	285	465	195	242	78	156	236	111	3308	7863	190182
10	Malappuram	3060	97	121	96	127	35	59	32	333	338	485	1502	6285	88441
11	Kozhikode	1701	98	51	13	32	9	89	15	51	52	133	339	2583	62322
12	Wayanad	622	62	201	3	13	19	60	8	84	186	40	563	1861	97695
13	Kannur	1554	127	82	10	48	39	88	59	73	39	257	426	2802	80443
14	Kasaragode	412	53	32	12	53	41	82	75	36	24	156	269	1245	50236
State Total		17698	1386	2379	1218	1061	789	1398	919	1070	1251	1780	16882	47831	1126495

(Table - 3 Contd.....)

**TABLE-3
AREA UNDER CROPS 2007-08**

(Area in Ha)

Sl. No.	District	Non Food Crops															Grand Total
		Oil Seeds					Fibre Drugs and Narcotics					Plantation Crops					
		Groundnut	Sesamum	Coconut	Others	Total	Cotton	Betel Leaves	Tobacco	Lemon Grass	Total	Tea *	Coffee **	Rubber #	Cocoa	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Thiruvananthapuram	1		72473	42	72516		31		10	41	965		29640	65	30670	103227
2	Kollam		100	58575	74	58749		49		6	55	1258		35760	19	37037	95841
3	Pathanamthitta		1	17903	146	18050		59		6	65	91		49860	457	50408	68523
4	Alappuzha		61	43976	122	44159		41		1	42			4210	100	4310	48511
5	Kottayam			35226	98	35324		14		7	21	1963		112035	1325	115323	150668
6	Idukki			19925	16	19941	3			536	539	24083	12120	39335	9355	84893	105373
7	Ernakulam		48	49412	71	49531		15		2	17	2		57930	1407	59339	108887
8	Thrissur		3	81697	166	81866		13		1	14	530		14790	49	15369	97249
9	Palakkad	2910	76	60393	975	64354	1292	8		51	1351	852	4650	34285	65	39852	105557
10	Malappuram		239	104731	149	105119		235		2	237	174		35900	217	36291	141647
11	Kozhikode			122929	51	122980		18			18			19600	788	20388	143386
12	Wayanad		1	12292	13	12306		1		112	113	6213	67345	8890	147	82595	95014
13	Kannur		3	82223	101	82327		7		19	26			41580	321	41901	124254
14	Kasaragode		1	57057	20	57078		18	43	2	63			28230	89	28319	85460
State Total		2911	533	818812	2044	824300	1295	509	43	755	2602	36131	84115	512045	14404	646695	1473597

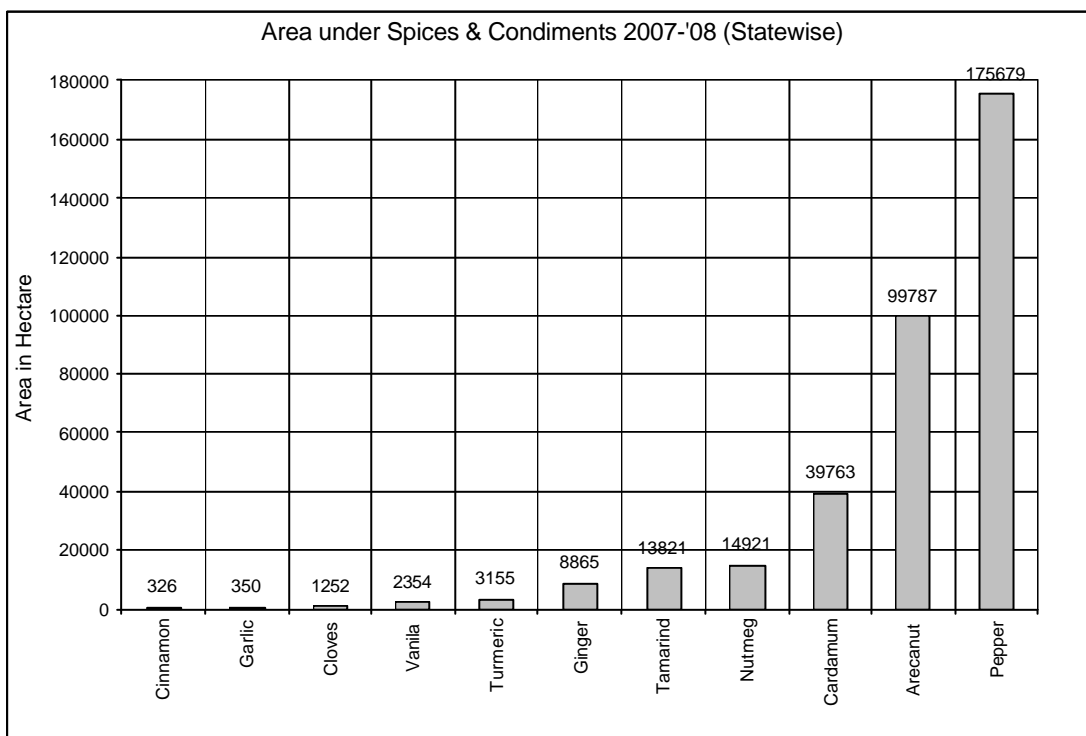
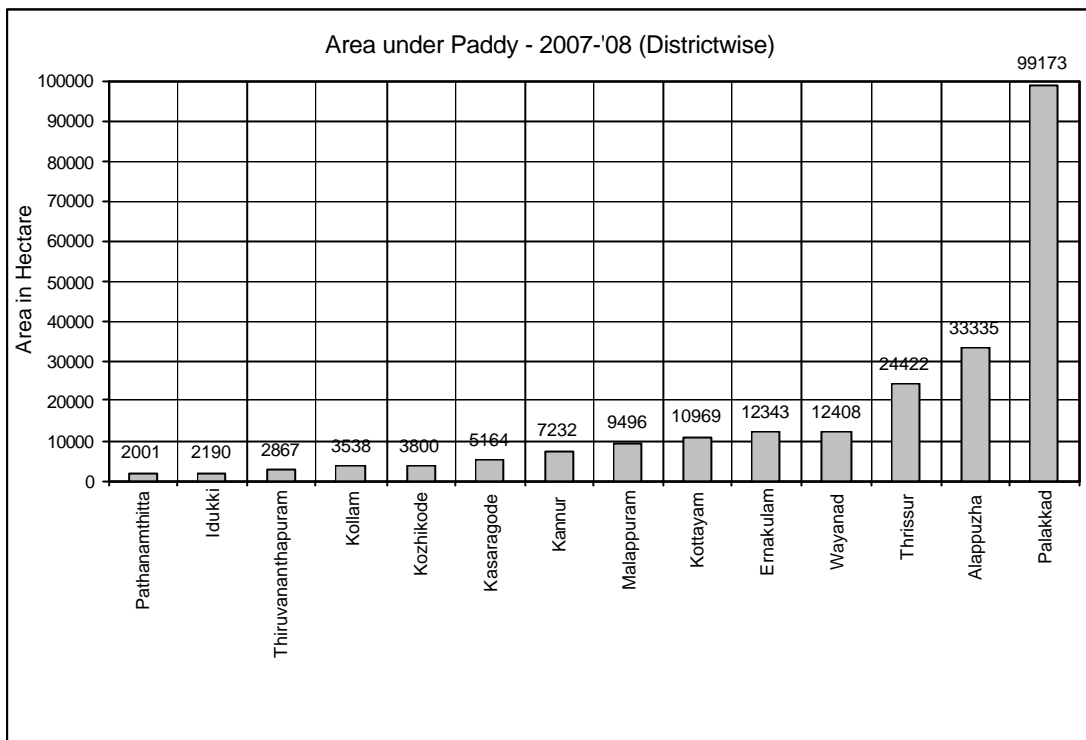
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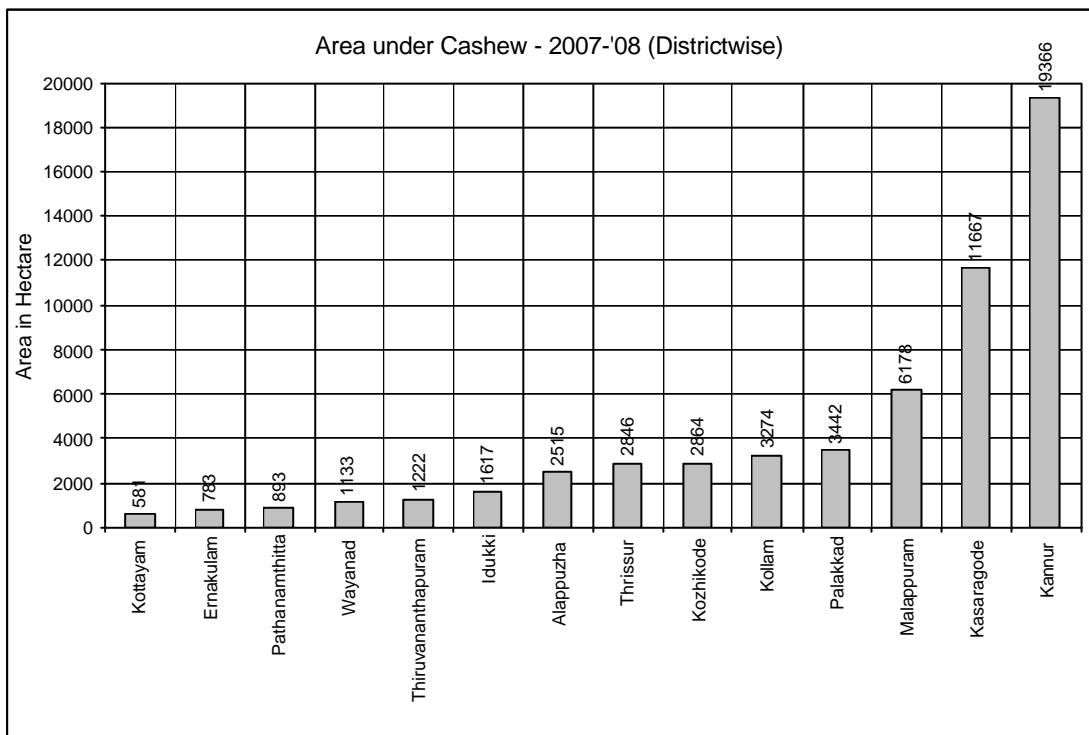
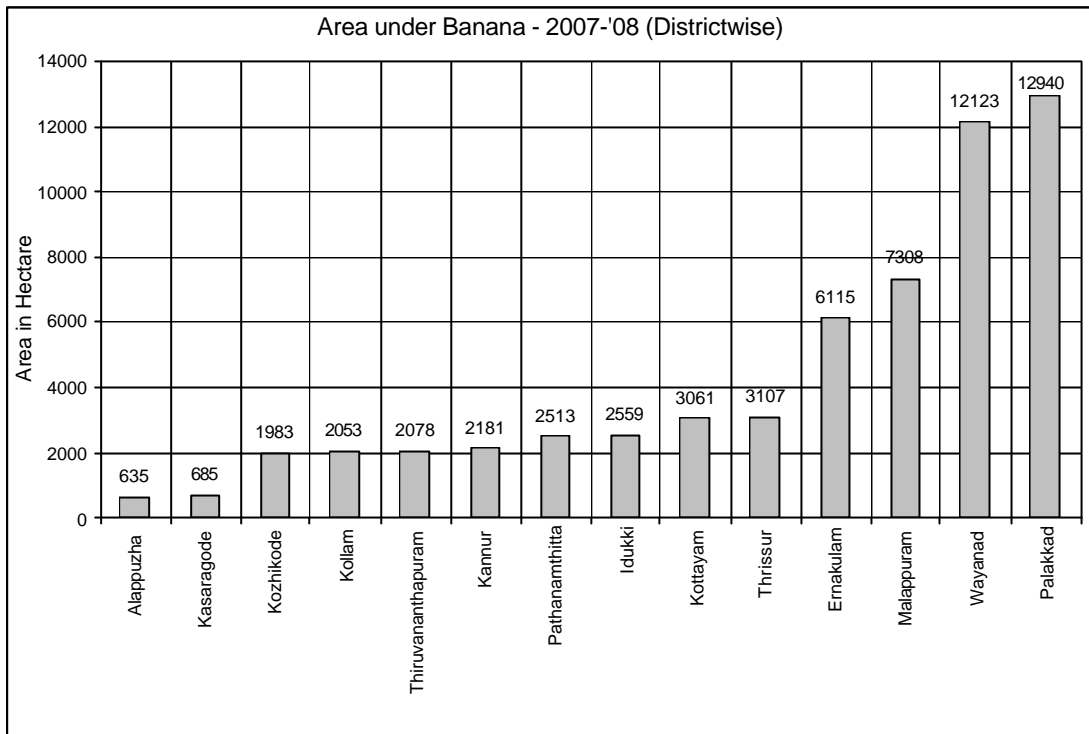
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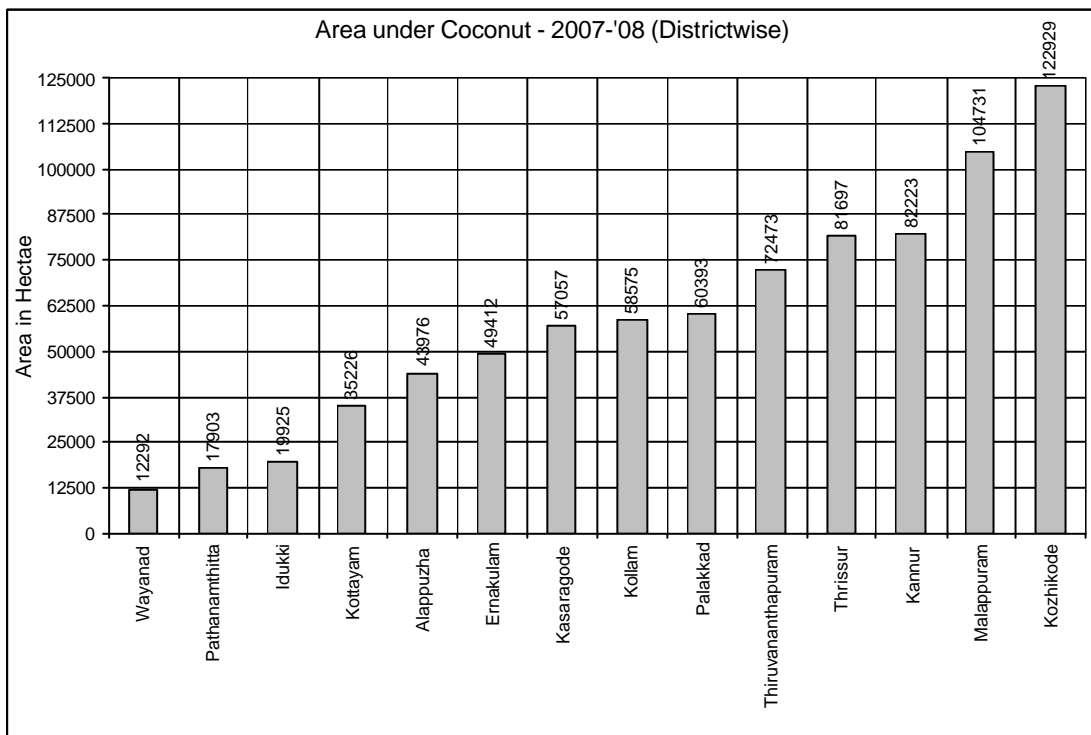
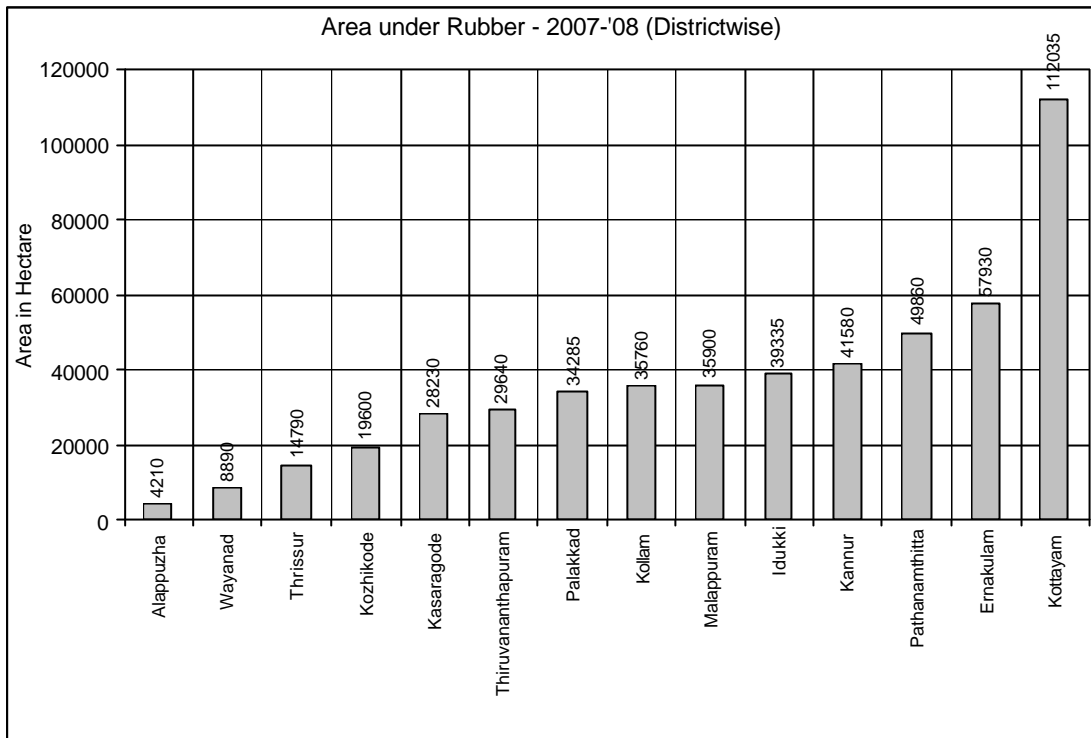
TABLE-3
AREA UNDER CROPS 2007-08

(Area in Ha)

Sl. No.	District	Non Food Crops					Total Non Food Crops	Total Cropped Area
		Fodder Grass	Green Manure Crops	Other Crops & Trees	Medicinal Plants	Total		
1	2	3	4	5	6	7	8	9
1	Thiruvananthapuram	174	505	3335	19	4033	107260	158827
2	Kollam	224	1135	4347	79	5785	101626	170901
3	Pathanamthitta	270	870	4320	28	5488	74011	106706
4	Alappuzha	147	470	4208	55	4880	53391	109455
5	Kottayam	209	760	10380	77	11426	162094	215902
6	Idukki	1594	1168	33804	42	36608	141981	295783
7	Ernakulam	266	661	5340	147	6414	115301	184773
8	Thrissur	97	1509	4659	214	6479	103728	174221
9	Palakkad	811	3092	24616	290	28809	134366	324548
10	Malappuram	41	4798	9694	33	14566	156213	244654
11	Kozhikode	100	1812	3904	52	5868	149254	211576
12	Wayanad	636	787	5925	11	7359	102373	200068
13	Kannur	288	1465	12125	22	13900	138154	218597
14	Kasaragode	103	2408	6869	7	9387	94847	145083
State Total		4960	21440	133526	1076	161002	1634599	2761094







A BRIEF ANALYSIS OF THE PRODUCTION OF IMPORTANT CROPS
DURING 2007-'08

Rice:

The production of rice during 1975-76 was 13.31 lakh tones. It reached maximum of 13.39 lakh tones in 1981-82. Thereafter, the production of rice in the state shows a decreasing trend. Total production of rice was 5.28 lakh tonnes during 2007-'08 as against 6.41 lakh tonnes in the last year (2006-'07). The productivity of rice in Autumn, Winter and Summer seasons were 2168 Kg/ Ha, 2370 Kg/ Ha and 2404.5 Kg/ Ha respectively. The production of rice in Autumn and Winter seasons was highest in Palakkad district. In summer season, the production was highest in Alappuzha district and the same was lowest in Kollam district. As usual, Palakkad district occupied the first position in the production of rice during 2007-'08. The production was lowest in Pathanamthitta district during 2007-08.

Coconut:

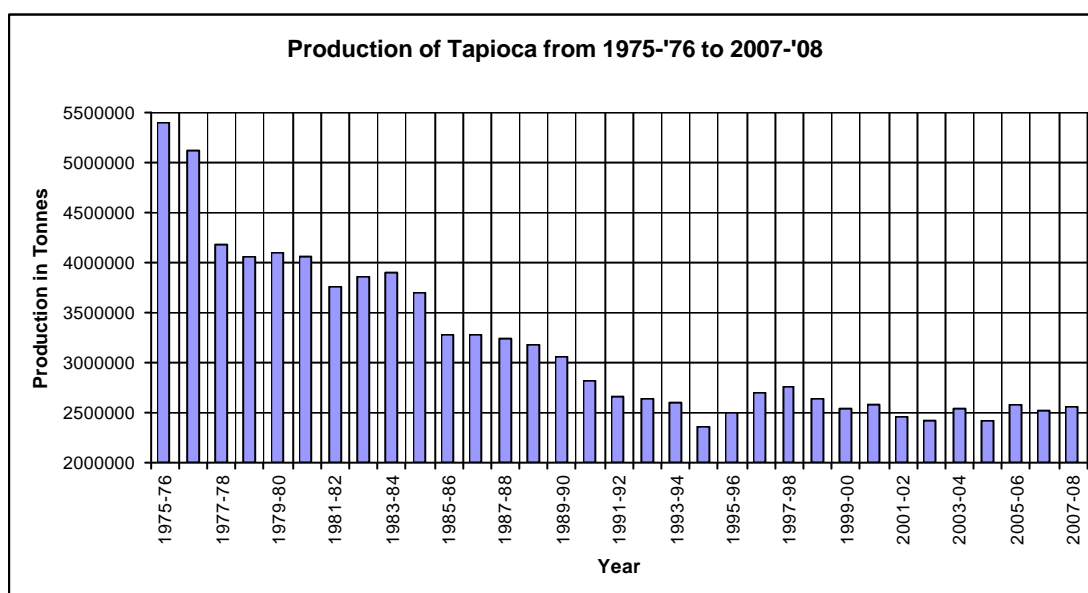
The total production of coconut was 3439 million nuts during 1975-76. The production of coconut was 2602 Million nuts during 1983-'84. The production of coconut was maximum in the state during 2005-06 i.e. 6326 million nuts. After 2005-06 the production again shows a decreasing trend. Total production of coconut during the year 2007-'08 was 5641 million nuts whereas the corresponding figure of the last year was 6054 million nuts (2006-'07). Kozhikode district occupied first place in coconut production followed by Malappuram district. Comparing the productivity of coconut with the last year (2006-07) it shows a decreasing trend. During 2007-08 the Productivity of coconut was highest in Malappuram district with 7944 nuts per hectare followed by Kasargod district.

Arecanut:

The production of Arecanut during 2007-'08 (114690 tonnes) shows an increasing trend. Kasargod district stands first place in the production of Arecanut with 37.9 % of the total production in the state. Productivity of Arecanut was also highest in Kasargod district (2886.8 Kg/ Ha) during 2007-08.

Tapioca:

Though the area under tapioca cultivation from 1975-76 to 2007-08 shows a steadily decreasing trend in the state, while the production of Tapioca shows a fluctuating trend. The production of tapioca was 53.90 lakh tones during 1975-76. The production decreased to 23.44 lakh tones during 1994-95. Afterwards the Production of tapioca increased and reached 27.42 lakh tones during 1997-98. The graphical presentation of the change in the production of tapioca from 1975-76 to 2007-08 is as follows.



The total production of tapioca during 2007-08 was 25.26 lakh tones. Production of tapioca was highest in Kollam district with 25.44% of total tapioca production followed by Thiruvananthapuram district. However, the productivity of tapioca was highest in Malappuram district (40507 Kg/Ha.).

Pepper:

During 1975-'76, the production of pepper was 24580 tonnes. The highest production was in 2005-06 i.e. 87605 tonnes. The Production of pepper decreased to 64264 tones during 2006-'07. During 2007-'08 the production of pepper again decreased to 41952 tonnes. This shows an alarming decrease of 34.72% when compared with the previous year. During 2007-08, production and productivity of pepper was highest in Idukki district with 55.6% of the total production and the yield rate was 356.8 Kg/Ha. During 2007-08, the lowest production was in Alappuzha

district (0.5%) and the productivity of pepper was lowest in Kozhikode district (91.5Kg/Ha) during the period.

Cocoa:

During 1986-87, the production of cocoa was 6036 tonnes. It decreased to 3537 tonnes during 1996-97. Thereafter, the production of cocoa showed an increasing trend than the last year. The production of cocoa increased to 63.36% during 2007-'08.

Sugarcane:

During 1975-76 the production of sugarcane was 41831 tonnes. The production was maximum in 1999-2000, i.e. 57882 tonnes. Thereafter the production decreased in the state and the production was 15915 tonnes, during 2007-08 which shows 141.8% increase than the last year (2006-'07).

Cashew:

The production of cashew in the state increased to 1.08 lakh tonnes during 1988-89. Thereafter the production shows a decreasing trend. During 2007-08 the production of cashew was 52402 tonnes which is less than 15 % of the last year (61680 tonnes)

Irrigation

Major sources of irrigation in the state during 2007-'08 were private wells and government canals. The irrigated areas under these sources were 33.64 % and 22.79 % respectively. The net irrigated area in the state during the year was 387545 Ha.

**TABLE - 4
PRODUCTION OF IMPORTANT CROPS 2007-08**

Production in Tonnes

Sl. No.	Name of district	Rice				Jowar	Ragi	Other cereals	Sugarcane	Black Pepper	Green chillies	Pulses including Tur	Cured Ginger	Cured Turmeric	Groundnut
		Autumn	Winter	Summer	Total										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	3243	3755	184	7182		1		4	1423	94	158	248	97	1
2	Kollam	2478	5413	97	7988				4	2018	173	120	1125	441	
3	Pathanamthitta	241	1350	3040	4631				44	1191	46	2	1777	167	
4	Alappuzha	14128	21366	26776	62270		1		187	207	76	34	172	34	
5	Kottayam	6894	6067	15467	28428				100	1605	39	51	463	272	
6	Idukki	1156	4650	153	5959	1	1	40	12826	23311	53	49	2968	588	
7	Eranakulam	8196	12088	4123	24407				23	995	58	210	930	1010	
8	Thrissur	7378	25629	26374	59381					811	174	3	158	125	
9	Palakkad	108300	118856	17088	244244	1563	210	226	2714	985	259	1859	5744	1980	2153
10	Malappuram	2881	13599	5268	21748		2			1014	54	108	149	631	
11	Kozhikode	264	3232	1601	5097					884	89	8	310	981	
12	Wayanad		23473	8606	32079	5	1	1	3	4060	60	266	17054	561	
13	Kannur	6321	7601	189	14111				5	1865	88	354	393	451	
14	Kasaragod	6628	4024	311	10963	4			5	1583	77	72	235	96	
State Total		168108	251103	109277	528488	1573	216	267	15915	41952	1340	3294	31726	7434	2154

(Table - 4 Contd.....)

**TABLE - 4
PRODUCTION OF IMPORTANT CROPS 2007-08**

(Production in Tonnes)

Sl. No.	District	Arecanut	Tamarind	Mango	Jack (million numbers)	Banana	Other plantain	Pineapple	Tapioca	Sweet potato	Pappaya	Drumstick	Sesamum	Coconut (million nuts)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	579	3160	22968	26	13159	45195	2123	413181	182	8686	2054		562
2	Kollam	1382	1238	32030	31	13165	35458	1801	650489	88	1497	2218	40	378
3	Pathanamthitta	593	469	11547	11	20270	19477	2104	253419	33	3207	423		107
4	Alappuzha	687	703	17571	6	4072	16387	522	70918	72	4816	262	12	301
5	Kottayam	1621	967	15994	20	28483	31602	7440	170248	8	8532	474		205
6	Idukki	3886	660	35602	35	18733	35639	7332	211702	81	2074	414		72
7	Eranakulam	6395	721	17146	20	49537	33840	56520	178642	46	5987	622	10	292
8	Thrissur	4687	1438	28895	18	19864	20725	987	41049	33	7421	1855	1	575
9	Palakkad	5231	6253	84718	31	93157	85469	527	72528	1061	9130	3863	15	422
10	Malappuram	17550	2322	34830	30	51899	17724	675	287438	1518	10629	1867	91	832
11	Kozhikode	13373	1539	25346	22	14980	14458	968	49119	354	2769	533		851
12	Wayanad	4627	278	14226	23	90427	10984	192	95540	188	2721	294		45
13	Kannur	10605	1176	52641	28	14353	12710	922	52367	307	8196	1826	1	554
14	Kasaragod	43474	421	14629	8	7704	12228	669	9815	2372	4343	685	1	445
	State Total	114690	21345	408143	309	439803	391896	82782	2556455	6343	80008	17390	171	5641

(Table - 4 Contd....)

**TABLE - 4
PRODUCTION OF IMPORTANT CROPS 2007-08**

(Production in Tonnes)

Sl. No.	District	Cotton (No. of bales of 170Kg. Each)	Nutmeg	Tobacco	Tea *	Coffee**	Rubber ##	Cocoa	Processed cardamom #	Raw cashew nuts	Betel leaves	Clove (dry)	Garlic
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram		32				44950	28		512	1447	3	
2	Kollam		21		154		55655	2		1669	2474	2	
3	Pathanamthitta		261				73690	183	6	303	1402	3	
4	Alappuzha		66				6750	48		993	2263		
5	Kottayam		950		83		166180	661	20	222	694	4	
6	Idukki		894		37108	6410	54800	7055	6404	588		53	5950
7	Eranakulam		6173				87595	700		350	778	2	
8	Thrissur		2352		1894		25375	11		1425	642	2	
9	Palakkad	1680	71		1806	2000	50720	48	274	1571	224	1	
10	Malappuram		104				54390	111	2	5411	12919	1	
11	Kozhikode		223		10709		29445	421	1	1899	2085	3	
12	Wayanad		14			40240	8085	30	324	534	26	4	
13	Kannur		19				60350	111		25715	329	1	
14	Kasaragod		37	69			35150	38		11210	959	3	
State Total		1680	11217	69	51754	48650	753135	9447	7031	52402	26242	82	5950

Source:

* Tea Board

Spices Board

** Coffee Board

Rubber Board (provisional)

TABLE - 5
ESTIMATED AREA AND PRODUCTION OF RICE - AUTUMN 2007-08

Area in hectare & Production in tonnes

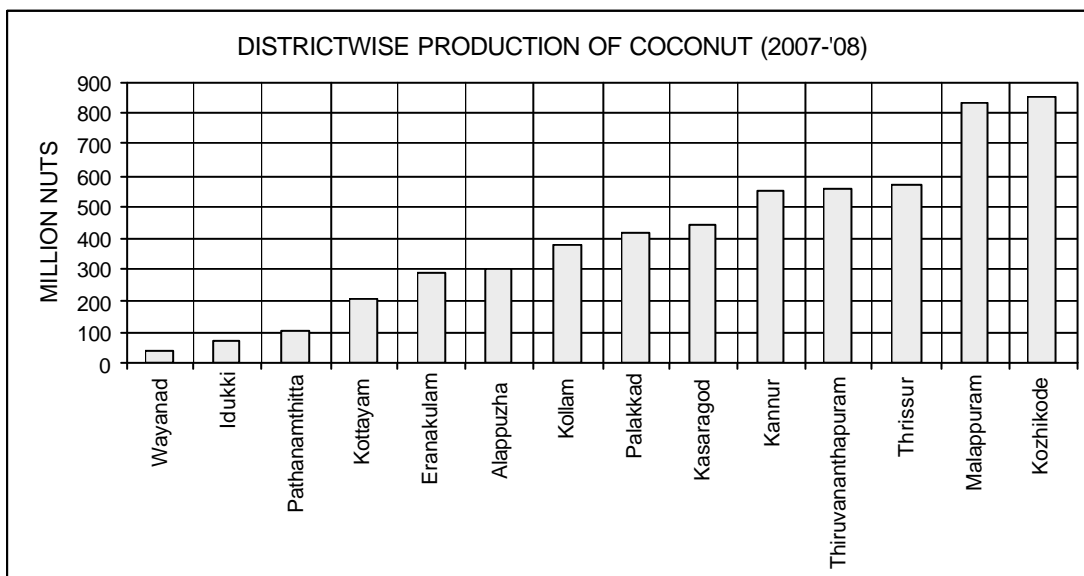
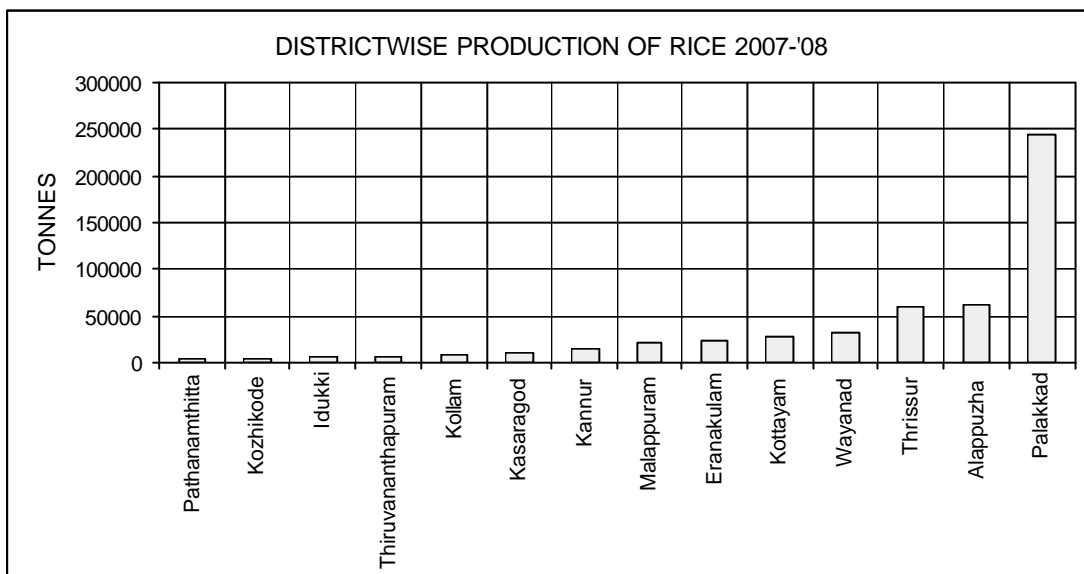
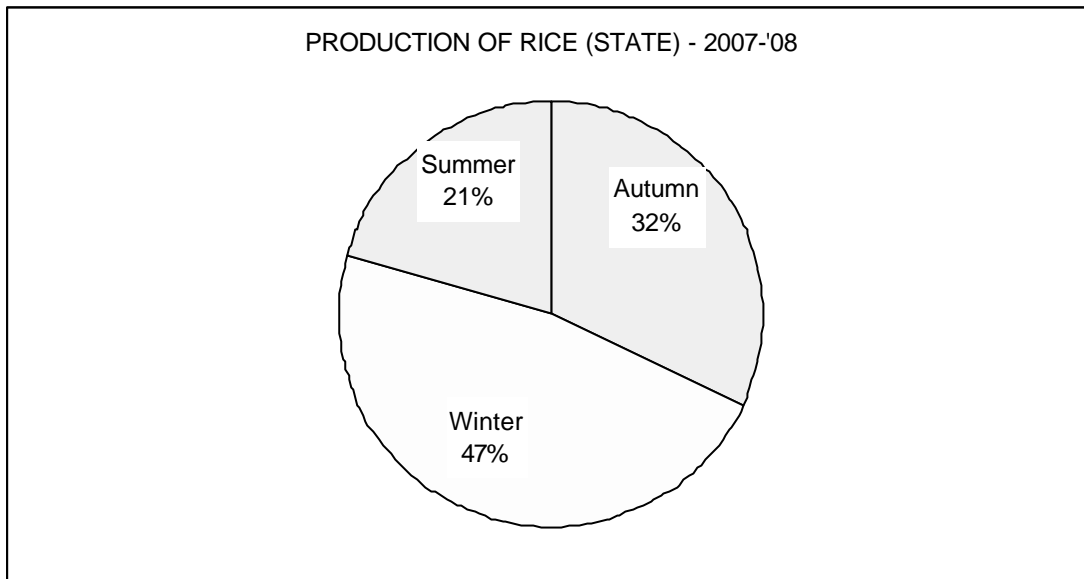
Sl. No.	District	High Yielding						Local						Total	
		Irrigated		Unirrigated		Total		Irrigated		Unirrigated		Total		Area	Production
		Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	1149	2947	43	296	1192	3243	100		17		117		1309	3243
2	Kollam			1046	2478	1046	2478							1046	2478
3	Pathanamthitta			105	241	105	241							105	241
4	Alappuzha	7407	13315	315	575	7722	13890			269	238	269	238	7991	14128
5	Kottayam	2603	6758	37	81	2640	6839	3	4	18	51	21	55	2661	6894
6	Idukki	400	1025	62	131	462	1156							462	1156
7	Eranakulam	2892	5403	1045	2005	3937	7408			445	788	445	788	4382	8196
8	Thrissur	1	1	3746	6750	3747	6751			402	627	402	627	4149	7378
9	Palakkad	2121	5089	42155	98905	44276	103994			2807	4306	2807	4306	47083	108300
10	Malappuram			1491	2714	1491	2714			92	167	92	167	1583	2881
11	Kozhikode			147	196	147	196			85	68	85	68	232	264
12	Wayanad														
13	Kannur			3131	5786	3131	5786			339	535	339	535	3470	6321
14	Kasaragod	228		2514	6166	2742	6166			318	462	318	462	3060	6628
	State	16801	34538	55837	126324	72638	160862	103	4	4792	7242	4895	7246	77533	168108

TABLE - 6
ESTIMATED AREA AND PRODUCTION OF RICE - WINTER 2007-08

Sl. No.	District	Area in hectare & Production in tonnes													
		High Yielding						Local Varieties						Total	
		Irrigated		Unirrigated		Total		Irrigated		Unirrigated		Total		Area	Production
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	15	16
1	Thiruvananthapuram	1444	3684			1444	3684	37	71			37	71	1481	3755
2	Kollam	607	1373	489	1114	1096	2487	653	1401	683	1525	1336	2926	2432	5413
3	Pathanamthitta	367	885			367	885	200	465			200	465	567	1350
4	Alappuzha	9458	20415	279	702	9737	21117	33	45	283	204	316	249	10053	21366
5	Kottayam	2197	5828			2197	5828	122	239			122	239	2319	6067
6	Idukki	1063	3523	64	172	1127	3695	543	955			543	955	1670	4650
7	Eranakulam	5537	11722	17	18	5554	11740	171	348			171	348	5725	12088
8	Thrissur	7975	19298			7975	19298	3543	6310	34	21	3577	6331	11552	25629
9	Palakkad	37960	103326	2095	4303	40055	107629	3121	6184	2828	5043	5949	11227	46004	118856
10	Malappuram	3005	7432	551	1201	3556	8633	1993	3527	836	1439	2829	4966	6385	13599
11	Kozhikode	31	92	477	728	508	820	76	260	2196	2152	2272	2412	2780	3232
12	Wayanad	5562	14469	2138	5362	7700	19831	852	1723	861	1919	1713	3642	9413	23473
13	Kannur	2250	5373	9		2259	5373	1379	2228	3		1382	2228	3641	7601
14	Kasaragod	698	1566			698	1566	1238	2458			1238	2458	1936	4024
State		78154	198986	6119	13600	84273	212586	13961	26214	7724	12303	21685	38517	105958	251103

TABLE - 7
ESTIMATED AREA AND PRODUCTION OF RICE - SUMMER 2007-08

Sl. No.	Name of District	Area in hectare & Production in tonnes													
		High Yielding						Local Varieties						Total	
		Irrigated		Unirrigated		Total		Irrigated		Unirrigated		Total		Area	Production
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	15	16
1	Thiruvananthapuram	77	184			77	184							77	184
2	Kollam	52	87			52	87			8	10	8	10	60	97
3	Pathanamthitta	1324	3040			1324	3040	5				5		1329	3040
4	Alappuzha	15291	26776			15291	26776							15291	26776
5	Kottayam	5987	15464			5987	15464	2	3			2	3	5989	15467
6	Idukki	45	119			45	119	13	34			13	34	58	153
7	Eranakulam	2235	4121			2235	4121	1	2			1	2	2236	4123
8	Thrissur	8441	25825			8441	25825	280	549			280	549	8721	26374
9	Palakkad	6067	17069			6067	17069	19	19			19	19	6086	17088
10	Malappuram	1458	5148			1458	5148	70	120			70	120	1528	5268
11	Kozhikode	698	1456	53	104	751	1560	37	41			37	41	788	1601
12	Wayanad	2968	8579			2968	8579	27	27			27	27	2995	8606
13	Kannur	64	138			64	138	57	51			57	51	121	189
14	Kasaragod	91	196			91	196	77	115			77	115	168	311
	State	44798	108202	53	104	44851	108306	588	961	8	10	596	971	45447	109277



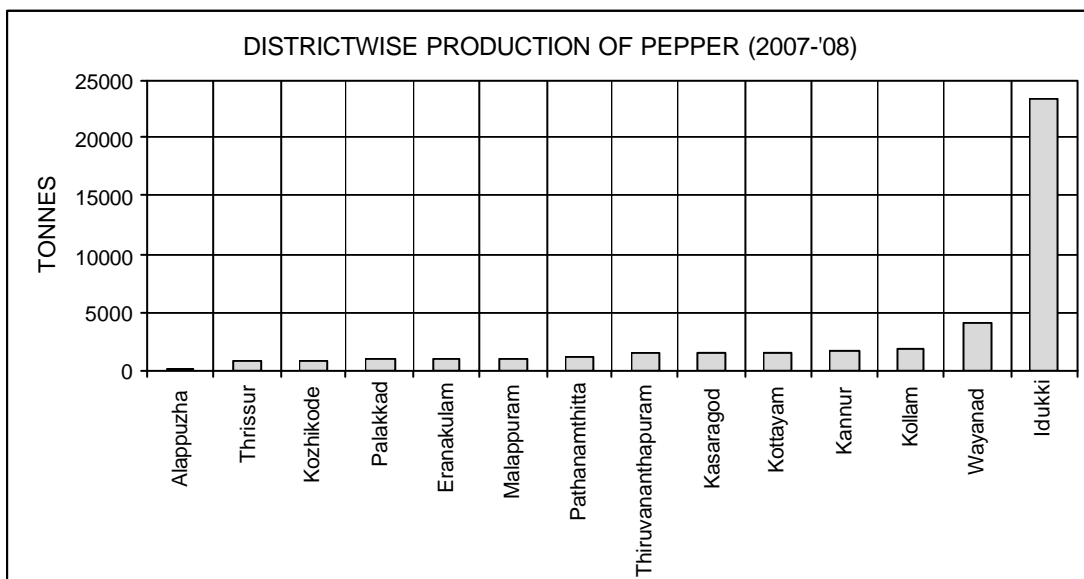
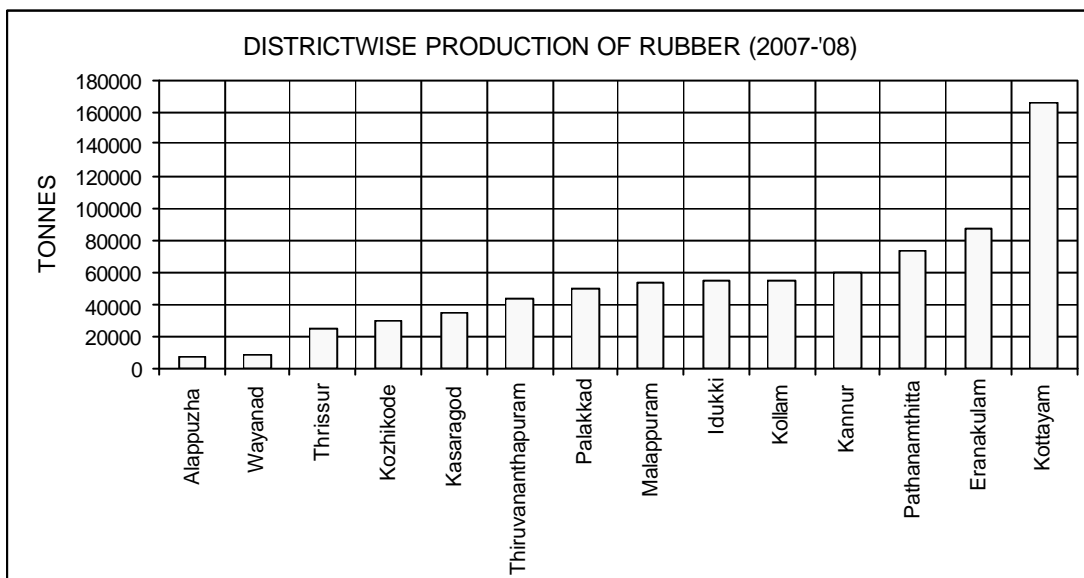
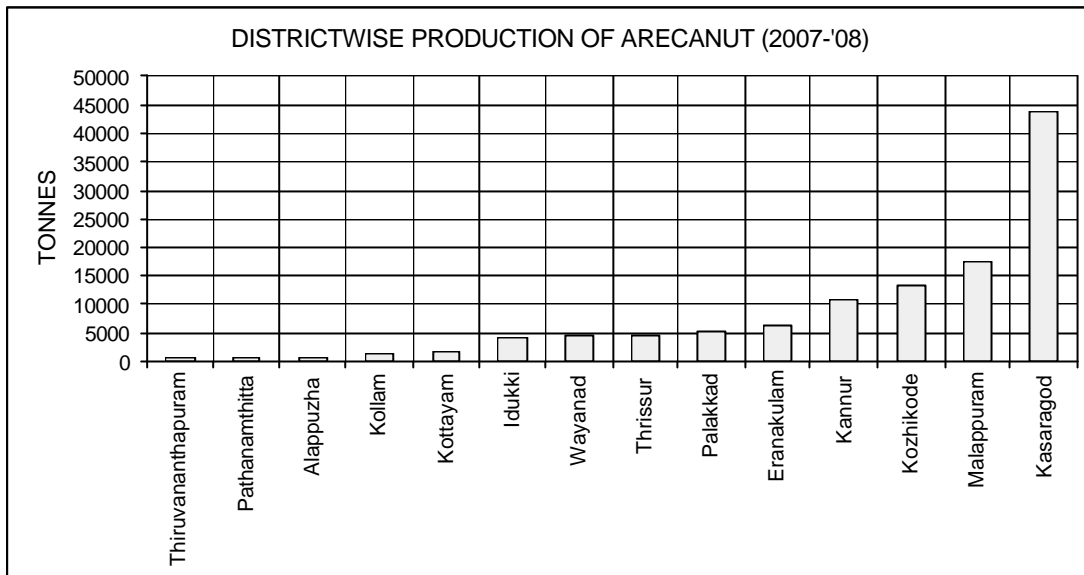
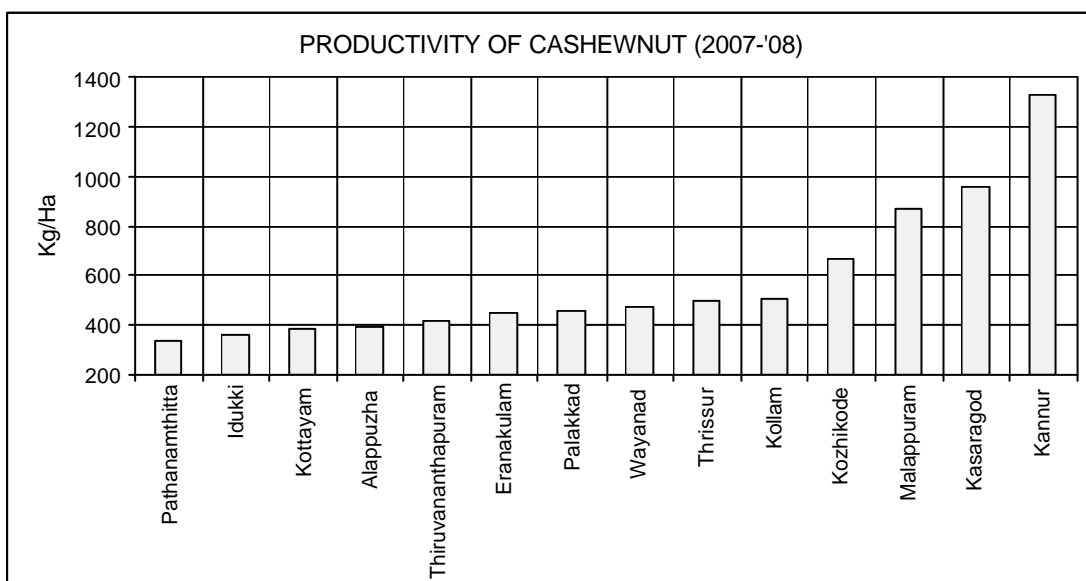
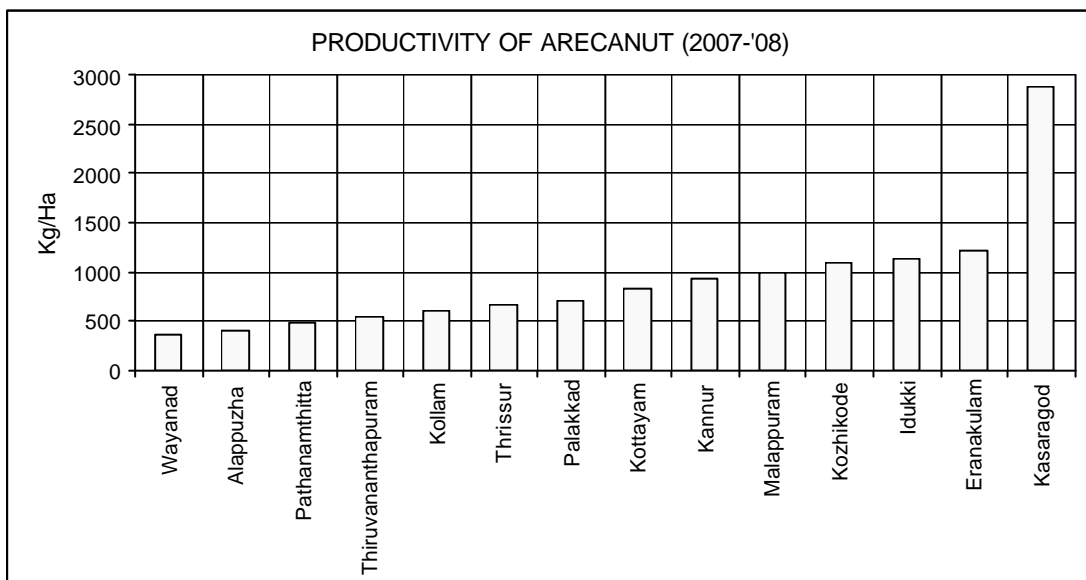
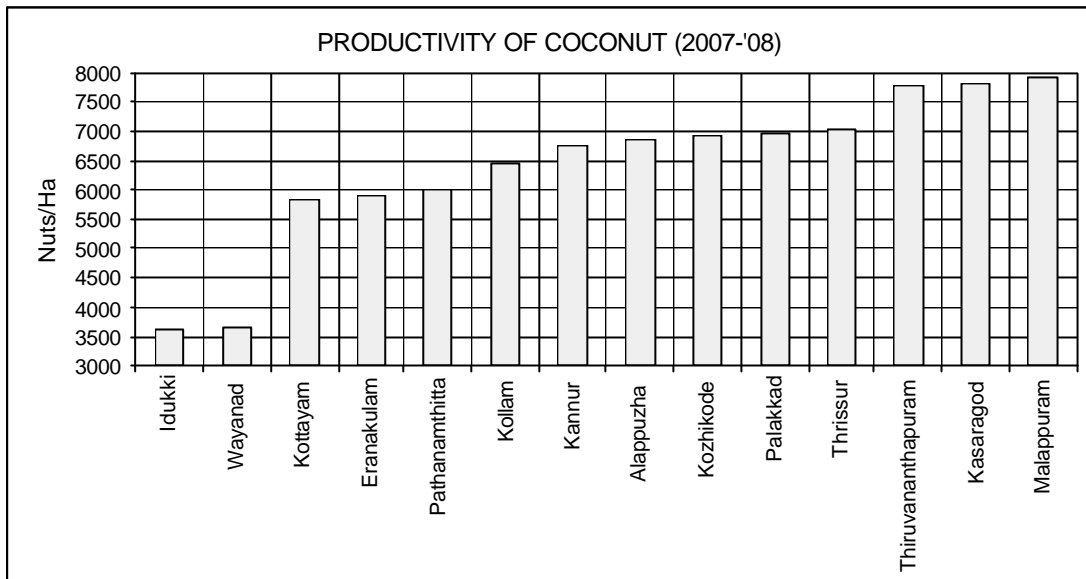


TABLE - 8
ESTIMATED PRODUCTIVITY OF CROPS 2007-08

Sl. No.	District	Rice			Cocunut (Nos/Ha)	Arecanut	Tapioca	Raw Cashewnuts	Black Pepper	Rubber	Banana	Plantain	Jack (Nos/Ha)	Cocoa	Sesamum	Kg/Ha
		Autumn	Winter	Summer												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	2477	2535	2390	7755	538	24984	419	256	1517	6333	8637	5018	431		
2	Kollam	2369	2226	1617	6453	602	30567	510	225	1556	6413	8217	4701	105	400	
3	Pathanamthitta	2295	2381	2287	5977	489	37361	339	303	1478	8066	9148	4663	400		
4	Alappuzha	1768	2125	1751	6845	405	28187	395	116	1603	6413	8412	2669	480	197	
5	Kottayam	2591	2616	2583	5820	846	28248	382	163	1483	9305	8882	4685	499		
6	Idukki	2502	2784	2638	3614	1126	33213	364	357	1393	7320	9141	2801	754		
7	Eranakulam	1870	2111	1844	5909	1228	34701	447	163	1512	8101	8216	3575	498	208	
8	Thrissur	1778	2219	3024	7038	663	26988	501	170	1716	6393	4781	3928	224	333	
9	Palakkad	2300	2584	2808	6988	693	22489	456	139	1479	7199	8928	4996	738	197	
10	Malappuram	1820	2130	3448	7944	1002	40507	876	129	1515	7102	6523	3725	512	381	
11	Kozhikode	1138	1163	2032	6923	1091	23061	663	91	1502	7554	5162	2319	534		
12	Wayanad		2494	2873	3661	379	31141	471	159	909	7459	6085	2806	204		
13	Kannur	1822	2088	1562	6738	942	28600	1328	149	1451	6581	4509	3576	346	333	
14	Kasaragod	2166	2079	1851	7799	2887	21715	961	238	1245	11247	5779	3596	427	1000	
	State	2168	2370	2404	6889	1149	30438	898	239	1471	7411	7629	3622	656	321	



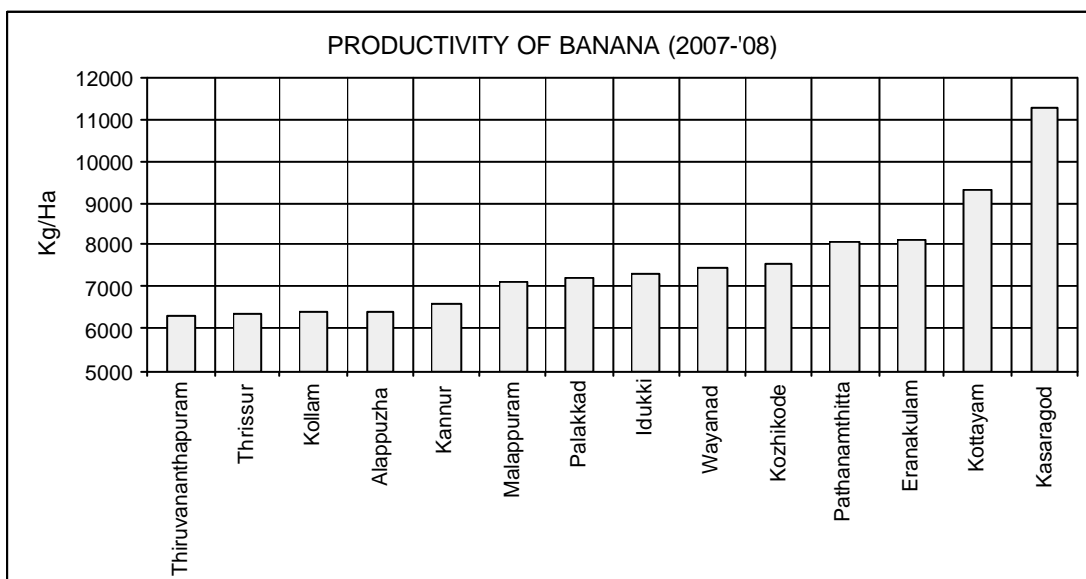
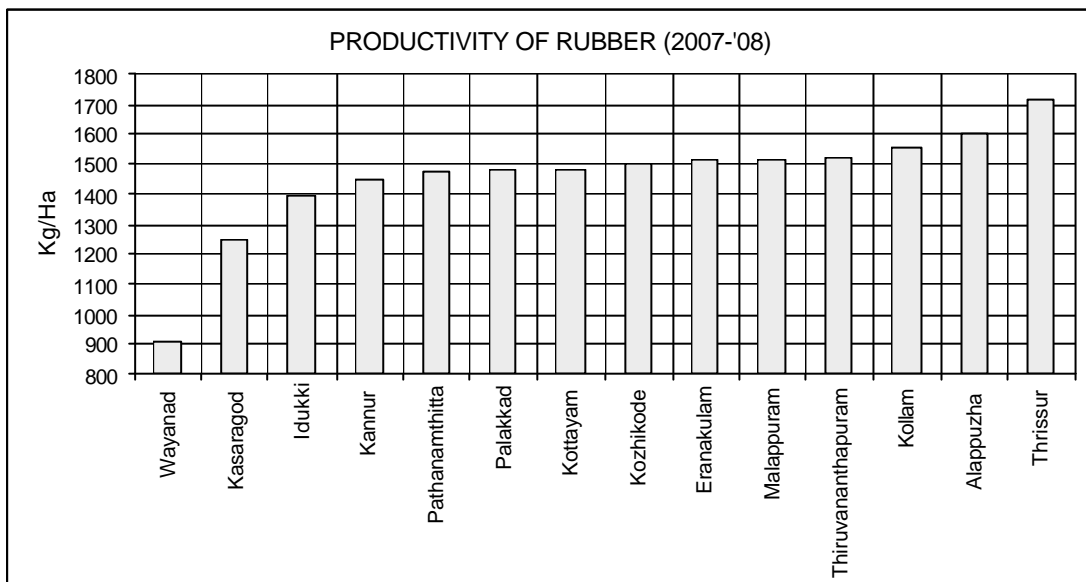
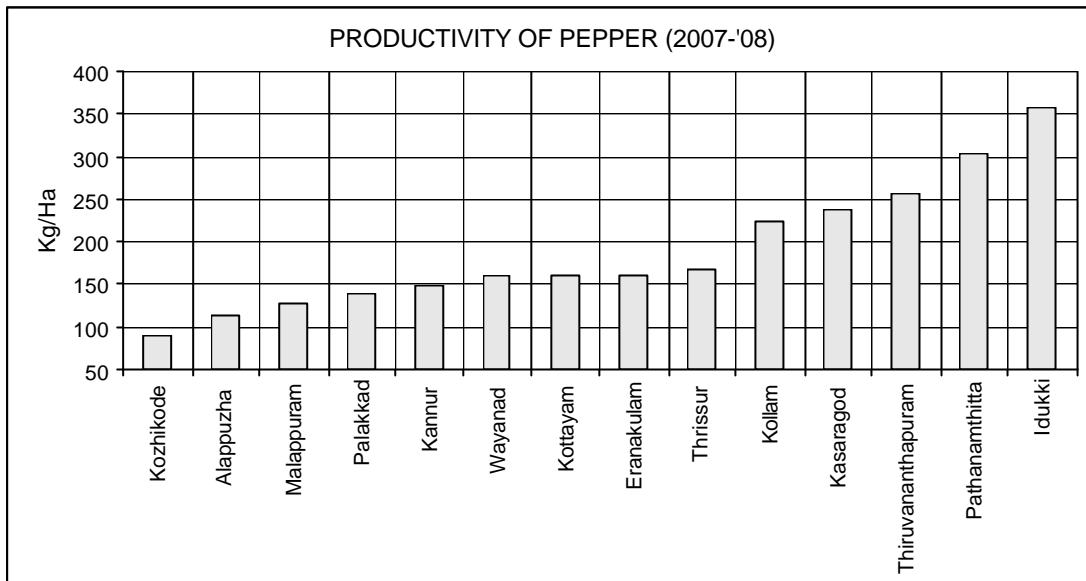


TABLE - 9
NET AREA IRRIGATED (SOURCE-WISE) 2007-08

Sl. No.	District	Area in hectare									
		Government Canal	Private Canal	Government tanks	Private tanks	Government wells	Private wells	Minor irrigation	Other sources	Tube wells	Total
1	2	3	4	5	6	7	8	9	10	11	12
1	Thiruvananthapuram	4242	83	354	61	2	2763		544	9	8058
2	Kollam	974	255	23	356	4	1983	26	852	4	4477
3	Pathanamthitta	2019	1	1	55		2108	65	1275	1	5525
4	Alappuzha	1074		12	2619	1	1423		24494	5086	34709
5	Kottayam				187		1958	65	13874	3	16087
6	Idukki	3103	322		6553	2	1596	33	4590	240	16439
7	Eranakulam	11577	19	289	1623	399	6722	3592	3409	426	28056
8	Thrissur	14758	207	210	4632	15	37170	3280	7596	682	68550
9	Palakkad	45115	830	409	4786	36	19267	322	12023	5890	88678
10	Malappuram	2282	756	131	4709	59	10535	766	4819	606	24663
11	Kozhikode	1261	153		448	15	4132	46	1065	138	7258
12	Wayanad	74	370	30	179	15	316	606	10638	2	12230
13	Kannur	1066	644	42	1870	69	14987	48	4510	76	23312
14	Kasaragod	773	684	564	11437	13	25412	298	5697	4625	49503
	State	88318	4324	2065	39515	630	130372	9147	95386	17788	387545

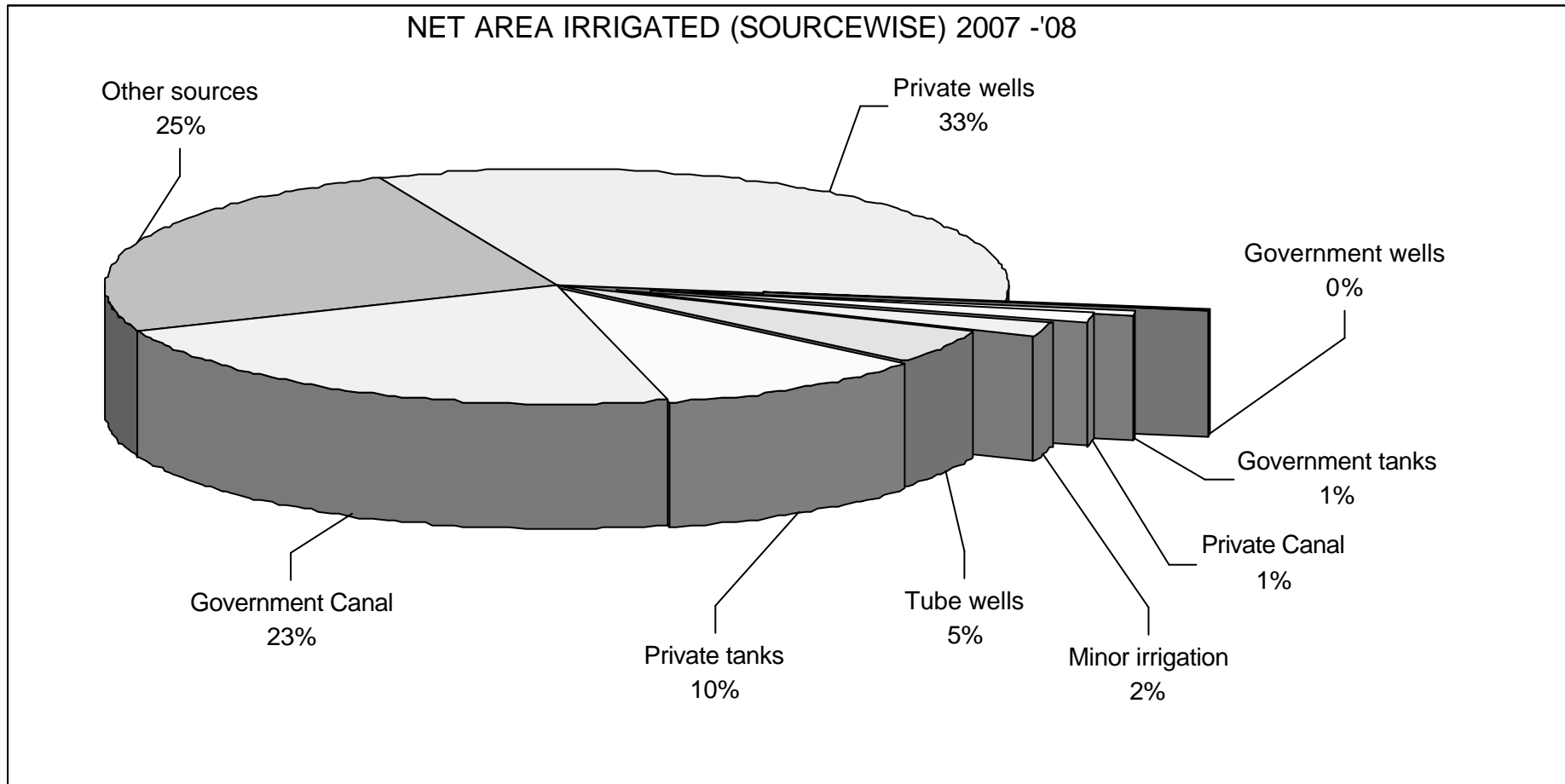


TABLE - 10
GROSS AREA UNDER IRRIGATION (CROP-WISE) 2007-08

Area in Hectares													
Si. No.	Districts	Paddy	Tubers	Vegetables	Coconut	Arecanut	Cloves	Nutmeg	Other spices & condiments	Banana	Betel leaves	Sugar cane	Other Crops
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	2807	185	422	3551	42			53	2004	24		1119
2	Kollam	1312	979	797	987	33	5	13	40	945	13		83
3	Pathanamthitta	1896	1824	1102	997	26	38	490	51	1348	59	1	72
4	Alappuzha	32189	794	1444	10052	75	4	43	483	487	41		605
5	Kottayam	10914		1386	400	45	17	745	102	1091	9	8	15
6	Idukki	2064	35	693	704	178	18	199	41	863		1598	20
7	Eranakulam	10836	95	1535	14072	1898	3	5032	383	4775		2	1085
8	Thrissur	20240	66	871	46247	5661	6	3330	1271	3014	9		876
9	Palakkad	49288	862	3620	29605	3537	1	65	1344	10394	3	751	3670
10	Malappuram	6526	1629	1837	13346	4266	2	56	221	5734	235		334
11	Kozhikode	842	509	752	4417	629		12	26	1938	17		18
12	Wayanad	9409	7	640	145	246	2	2	28	6768			31
13	Kannur	3750	182	1149	15813	2581			136	2093	7		66
14	Kasaragod	2332	114	676	31000	14873	31	41	2252	662	18	1	1787
State		154405	7281	16924	171336	34090	127	10028	6431	42116	435	2361	9781

**TABLE-11
RAINFALL DISTRIBUTION OF KERALA FOR THE YEAR 2007-08**

Sl. No.	Districts	2007						2008						Rainfall in mm.		
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Actual	Normal	Departure %
1	2	3	4	5	6	7	8	9	10	11	12	13	14			
1	Thiruvananthapuram	306.6	177.2	279.1	327.8	213.8	11.7		24.6	276.0	158.3	89.8	116.3	1981.2	1923.2	3.0
2	Kollam	574.1	263.1	408.1	445.0	128.8	26.0		41.0	224.9	137.6	120.8	207.1	2576.5	2494.8	3.3
3	Pathanamthitta	755.2	325.6	444.1	456.2	176.5	8.1		65.3	157.7	198.4	61.5	287.0	2935.6	2839.5	3.4
4	Alappuzha	780.2	368.3	417.6	306.8	173.4	6.4		88.2	175.5	166.3	127.8	366.5	2977.0	2999.2	-0.7
5	Kottayam	921.1	326.4	521.6	378.9	147.9	9.5		49.4	253.7	202.8	50.4	341.6	3203.3	3207.9	-0.1
6	Idukki	1234.1	616.6	696.0	465.7	92.1	45.8	5.0	44.9	166.5	120.2	65.2	494.3	4046.4	3769.2	7.4
7	Eranakulam	1132.8	480.1	667.3	522.1	66.1	9.8	3.0	30.8	319.6	129.1	137.7	455.1	3953.5	3577.8	10.5
8	Thrissur	1170.2	533.3	660.3	413.3	48.6	4.5		21.0	218.1	45.7	59.8	523.4	3698.2	3073.6	20.3
9	Palakkad	1032.6	478.0	507.3	310.3	32.6	19.2		26.6	153.9	28.6	41.2	445.6	3075.9	2472.1	24.4
10	Malappuram	1223.8	435.0	560.7	279.6	74.5	2.5		17.6	207.2	32.5	115.0	536.1	3484.5	2850.2	22.3
11	Kozhikode	1212.4	723.1	699.1	438.8	108.8			1.8	267.8	134.4	69.6	821.1	4476.9	3671.4	21.9
12	Wayanad	1147.2	590.7	385.0	172.9	29.1	7.5		19.2	166.3	89.4	102.0	312.5	3021.8	3408.9	-11.4
13	Kannur	1115.9	783.8	595.6	315.1	72.3	0.2		0.5	250.2	23.7	56.6	725.8	3939.7	3373.5	16.8
14	Kasaragod	735.5	787.2	631.4	169.0	53.5			2.6	295.0	133.4	63.2	1004.7	3875.5	3613.4	7.3
State (Average)*		996.1	502.4	550.3	366.0	93.7	13.4	0.8	29.7	215.9	103.7	78.5	477.9	3428.4	3097.1	10.7

*Area weighted Average of district values
Source: - India Meteorological Department

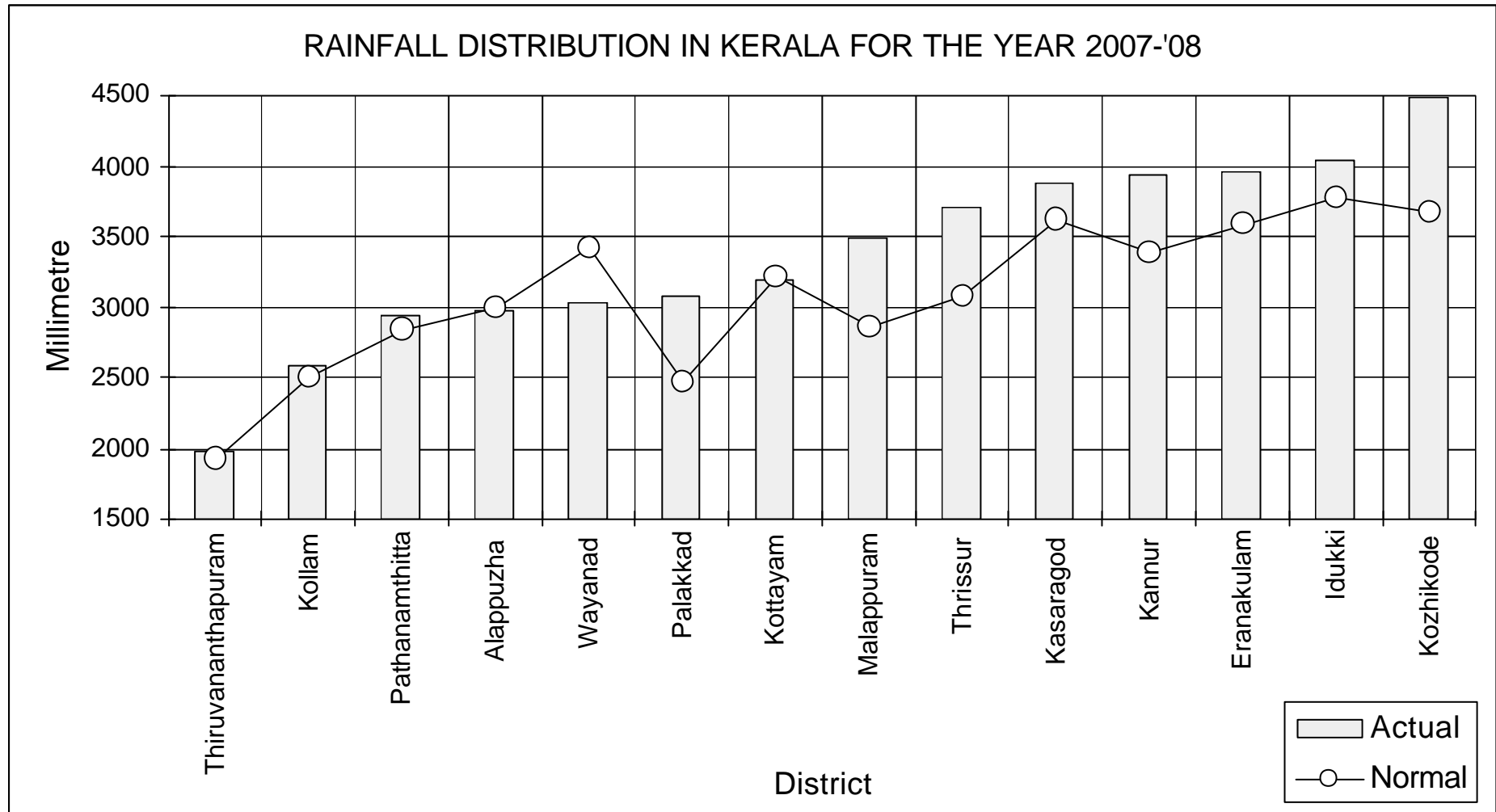


TABLE-12
AVERAGE FARM WHOLESALE PRICES OF IMPORTANT CROPS IN KERALA FOR THE YEAR 2007-08

In Rupees

Sl. No.	Item	Unit	2007						2008					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Paddy (HYV)	Qtl.	699	693	692	715	740	790	794	818	851	906	880	875
2	Pepper (Dry)	Qtl.	13178	12054	11485	13089	12589	12259	13063	13324	13689	13250	13411	13427
3	Ginger (Dry)	Qtl.	3770	3850	4458	4607	5563	5705	5557	6289	6926	7131	7369	6997
4	Ginger	Qtl.	1723	1640	1667	1542	1596	1545	1512	1651	2156	2395	3204	4028
5	Turmeric (Dry)	Qtl.	1985	1834	1933	1945	2138	2153	2656	2884	3058	3051	2803	2741
6	Banana	Qtl.	1513	1715	1670	1622	1528	1420	1430	1297	1135	1224	1410	1651
7	Plantain	Qtl.	724	850	854	769	700	686	678	662	644	664	682	698
8	Cashew	Qtl.	2600							3830	3229	2694	2950	2700
9	Tapioca (Raw)	Qtl.	480	491	505	522	528	530	523	524	529	528	540	544
10	Mango (Raw)	Qtl.	855	1750				3500	1548	1096	864	833	714	750
11	Coconut with Husk	100 nos.	448	450	437	427	440	471	488	500	523	539	548	558
12	Arecanut (Ripe)	100 nos.	60	58	50	44	45	44	43	46	48	54	62	72

TABLE - 13
COST OF CULTIVATION PER HECTARE OF SOME CROPS DURING THE YEAR 2005-06

Sl. No	Component of different crops	Cost per Hectare (Rs.)									
		Paddy			Coconut	Arecanut	Tapioca	Banana	Pepper	Ginger	Turmeric
		Autumn	Winter	Summer							
1	2	3	4	5	6	7	8	9	10	11	12
1	Hired human labour	9782	9967	9851	11069	12779	13476	31403	10787	20553	17116
2	Animal labour	353	407	382	30		46	22			12
3	Machine labour	2185	2185	2565	479	801	293	702	156	591	483
4	Seed/Seedlings	974	1087	1091	26	24	828	11640	29	20275	7094
5	Farmyard manure & Chemical fertilizers	2946	2823	3134	5992	7724	6118	24201	6422	13814	8842
6	Plant protection	324	239	376	74	91	43	1013	50	774	237
7	Land tax & irrigation cess	73	72	204	86	81	63	64	92	67	68
8	Repair & Maintenance charges of implements, machinery & buildings	251	340	196	105	390	137	137	117	160	116
9	Interest on working capital	888	890	936	1851	2250	2267	6898	1788	5601	3507
10	Other expenses	1195	1084	1322	843	1082	1865	15969	433		1287
11	Interest on fixed capital	743	902	723	1458	1934	1320	1527	1640	1719	1269
12	Imputed value of household labour	1199	1288	1597	1725	2730	3496	8842	2568	6561	9014
13	Total Cost	20913	21284	22377	23738	29886	29952	102418	24082	70115	49045
14	Value of output received (Rs./Ha)	24001	26224	25861	41746	65755	49377	118229	32995	76215	57279

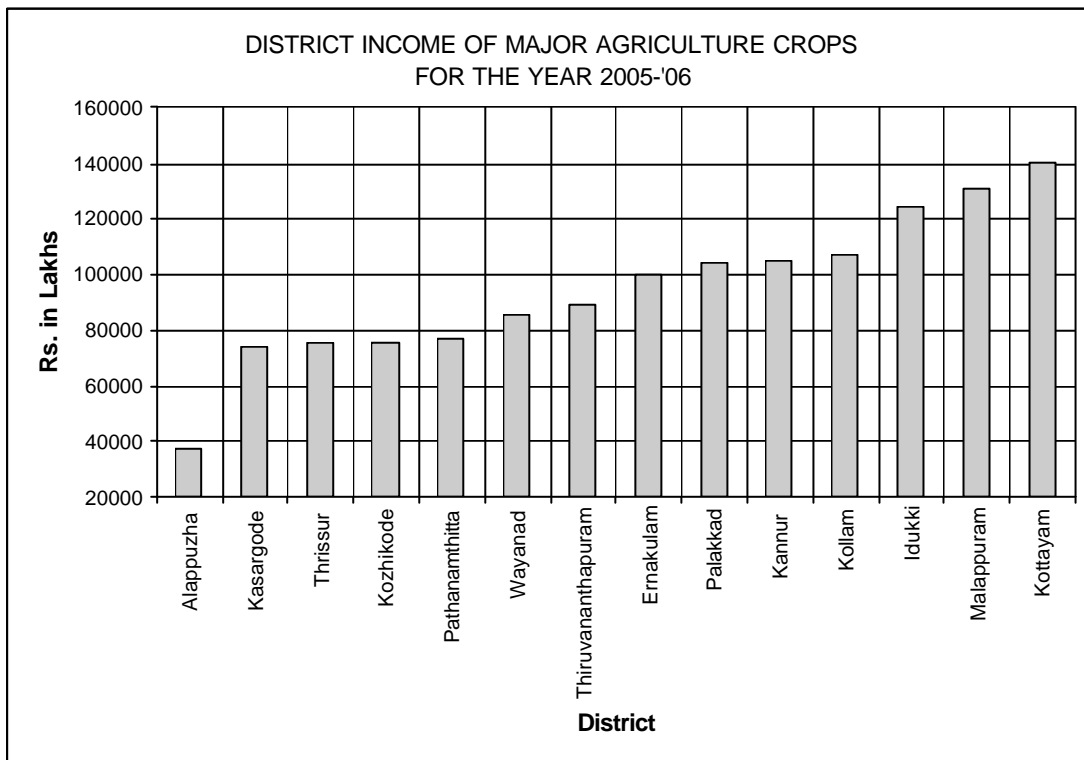
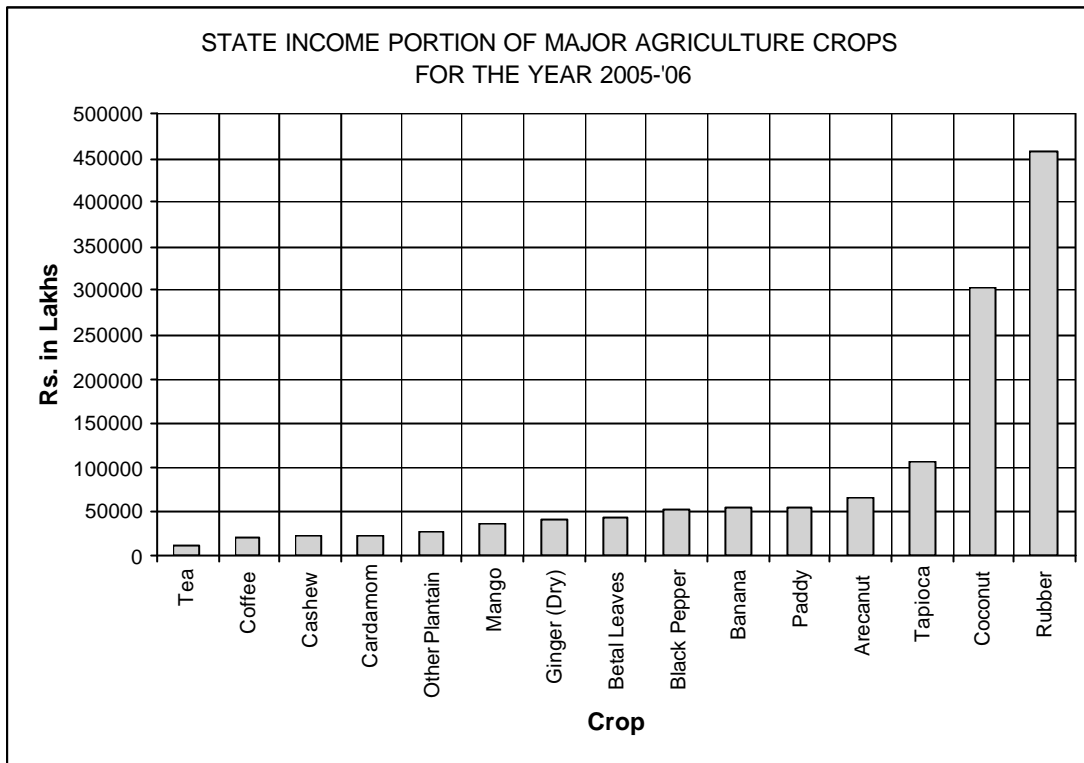


TABLE-14
DISTRICT INCOME OF MAJOR AGRICULTURE CROPS FOR THE YEAR 2005-06

Unit Rs. In lakhs

District	Paddy	Coconut	Rubber	Black Pepper	Tapioca	Cardamom	Banana	Other Plantain	Ginger (Dry)	Mango	Cashew	Betal Leaves	Tea	Coffee	Arecanut	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Thiruvananthapuram	661	30779	26287	843	18741		2430	3546	101	3653	337	1417	68		367	89230
Kollam	1290	30632	36192	2671	25790		1518	2529	1466	2042	838	661	53		980	106662
Pathanamthitta	723	7054	44264	804	10730	22	3037	2118	1599	861	165	4724			917	77018
Alappuzha	7148	19134	2707	105	2667		423	1107	55	1687	307	1890			505	37735
Kottayam	2950	13080	103949	992	9124	66	3640	2181	605	1350	85	1093	16	423	622	140176
Idukki	679	6107	33800	31381	9193	22199	1490	1638	2536	663	231	177	8901	2878	2484	124357
Ernakulam	4179	20682	51368	745	7308		5501	2052	865	1376	152	2834			3049	100111
Thrissur	6163	33221	16748	729	1124		3145	2187	285	3680	513	1476	423		5672	75366
Palakkad	23520	16942	31995	646	3736	470	8318	3494	5201	5084	577	236	420		3434	104073
Malappuram	2729	36062	31464	812	6711	7	7733	2197	271	3838	2331	28647			8093	130895
Kozhikode	618	38295	17736	1045	2821	2	1853	1680	336	2219	655	1063			7522	75845
Wayanad	2448	2017	4215	7154	3391	870	10891	952	29104	1087	195		2779	16928	3211	85242
Kannur	1730	28310	37847	3135	3265		3204	1427	202	6644	9653	295			9232	104944
Kasargode	1201	20435	18849	1102	684	2	864	1366	185	2089	6718	827			19228	73550
STATE	56039	302750	457421	52164	105285	23638	54047	28474	42811	36273	22757	45340	12660	20229	65316	1325204

ANNEXURE - 1
CROP ESTIMATION SURVEYS : THE FINAL ESTIMATION OF YIELD AND PRODUCTION OF RICE 2007-08 (AUTUMN)

Appendix - D1

No	Name of District	No Of Experiments		Estimated Yield in Tonnes/Ha (Rice)	Area in 1000Ha	Average Yield (Kg/Ha) (Rice)	Estimated Production of Rice in 1000 Tons	Bund Correction Factor (if any) applied	Sampling Error for Av. Yield	% of Sampling Error
		Planned	Analysed							
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	357.00	356.00	2.48	1.31	2477.00	3.24	Not Applied	67.19433	2.713
2	Kollam	395.00	395.00	2.37	1.05	2368.00	2.48		47.7152	2.015
3	Pathanamthitta	99.00	99.00	2.29	0.11	2289.00	0.24		76.3816	3.337
4	Alappuzha	289.00	289.00	1.77	7.99	1768.00	14.13		385.2899	21.792
5	Kottayam	127.00	127.00	2.59	2.66	2591.00	6.89		128.0610	4.943
6	Idukki	121.00	121.00	2.51	0.46	2505.00	1.16		46.4812	1.856
7	Ernakulam	458.00	458.00	1.87	4.38	1870.00	8.20		44.7746	2.394
8	Thrissur	397.00	397.00	1.78	4.15	1778.00	7.38		72.3809	4.071
9	Palakkad	651.00	651.00	2.30	47.08	2300.00	108.30		45.9427	1.998
10	Malappuram	576.00	576.00	1.82	1.58	1820.00	2.88		58.0371	3.189
11	Kozhikkode	282.00	282.00	1.14	0.23	1139.00	0.26		81.8500	7.186
12	Wayanad	0.00	0.00	0.00	0.00	0.00	0.00			
13	Kannur	464.00	464.00	1.82	3.47	1822.00	6.32		51.5131	2.827
14	Kasaragod	355.00	355.00	2.17	3.06	2166.00	6.63		47.0947	2.174
	STATE	4571.00	4570.00	2.17	77.53	2168.00	168.11		74.8904	3.454

ANNEXURE - 2
FINAL RESULT OF CROP ESTIMATION SURVEY ON **DRIAGE** RESULTS

Appendix : D5

Year: 2007-08

Crop : Paddy

Season :Autumn

Sl. No	Name of District	No of Driage Experiments		Total of Plot Yield before driage (gms)	Total of Plot yield after driage (grms)	Driage rate applied for estimating yield
		Planned	Analysed			
1	2	3	4	5	6	7
1	Thiruvananthapuram	52	52	13000	11743	0.903
2	Kollam	42	42	10500	9560	0.910
3	Pathanamthitta	16	16	4000	3645	0.911
4	Alappuzha	43	43	10750	9878	0.919
5	Kottayam	22	22	5500	4915	0.894
6	Idukki	12	12	3000	2739	0.913
7	Ernakulam	65	65	16250	14373	0.884
8	Thrissur	46	46	11500	10623	0.924
9	Palakkad	54	54	13500	12473	0.924
10	Malappuram	45	45	11250	10481	0.932
11	Kozhikkode	39	39	9750	8810	0.904
12	Wayanad					
13	Kannur	36	36	9000	7772	0.864
14	Kasaragod	18	18	4500	4168	0.926
STATE		490	490	122500	111180	0.908

ANNEXURE - 3
DETAILS OF NON-RESPONSE

Appendix(D6)
Year: 2007-08

Crop: Paddy

Season :Autumn

No	Name of District	No.of Experiments		Experiments not conducted			Experiment rejected due to						Grand Total
		Planned	Analysed	Prior harvest of the cultivator	Other Reasons	Total	Nonavailability of crop	Unreliable doubtful data	Discrepancy of data	Late receipt of returns	Other reasons	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	357	356		1	1							1
2	Kollam	395	395										
3	Pathanamthitta	99	99										
4	Alappuzha	289	289										
5	Kottayam	127	127										
6	Idukki	121	121										
7	Ernakulam	458	458										
8	Thrissur	397	397										
9	Palakkad	651	651										
10	Malappuram	576	576										
11	Kozhikkode	282	282										
12	Wayanad												
13	Kannur	464	464										
14	Kasaragod	355	355										
STATE		4571	4570		1	1							1

ANNEXURE - 4
CROP ESTIMATION SURVEYS - AUXILIARY INFORMATION - PERCENTAGE OF AREA UNDER
DIFFERENT AGRICULTURAL PRACTICES - A STATEMENT

Appendix-E2
Year: 2007-08

Crop: Paddy		Season :Autumn							
No	Name of District	Seeds		Chemically Mannured	Other mannured	Both chemical and other mannured	Not Mannured	Treated with pesticides	No Pesticides
		Improved	Local						
1	2	3	4	5	6	7	8	9	10
1	Thiruvananthapuram	100.00	0.00	17.98	1.40	80.34	0.28	80.34	19.66
2	Kollam	100.00	0.00	10.38	2.78	86.58	0.25	76.71	23.29
3	Pathanamthitta	100.00	0.00	44.44	0.00	55.56	0.00	66.67	33.33
4	Alappuzha	73.70	26.30	46.71	16.96	23.88	12.46	50.17	49.83
5	Kottayam	95.28	4.72	73.23	0.79	25.98	0.00	73.23	26.77
6	Idukki	100.00	0.00	64.46	0.00	35.54	0.00	34.71	65.29
7	Ernakulam	86.68	13.32	30.79	3.93	53.49	11.79	75.11	24.89
8	Thrissur	92.44	7.56	49.62	3.02	44.84	2.52	68.77	31.23
9	Palakkad	84.79	15.21	34.10	8.45	52.69	4.76	41.32	58.68
10	Malappuram	90.28	9.72	23.61	10.76	55.73	9.90	51.91	48.09
11	Kozhikkode	48.58	51.42	15.60	26.95	49.65	7.80	14.89	85.11
12	Wayanad								
13	Kannur	89.66	10.34	16.81	12.07	67.46	3.66	8.41	91.59
14	Kasaragod	89.86	10.14	1.97	3.66	89.86	4.51	45.07	54.93
STATE		87.81	12.19	28.01	7.63	58.80	5.36	51.66	48.34

ANNEXURE - 5

CROP ESTIMATION SURVEYS : THE FINAL ESTIMATION OF YIELD AND PRODUCTION OF RICE 2007-'08 (WINTER)

Appendix - D1

No	Name of District	No Of Experiments		Estimated Yield in Tonnes/Ha (Rice)	Area in 1000Ha	Average Yield (Kg/Ha) (Rice)	Estimated Production of Rice in 1000 Tons	Bund Correction Factor(if any)applied	Sampling Error for Av. Yield	% of Sampling Error
		Planned	Analysed							
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	341	321	2.536	1.481	2536	3.755	Not Applied	60.964	2.404
2	Kollam	396	396	2.226	2.432	2226	5.413		41.025	1.843
3	Pathanamthitta	172	172	2.38	0.567	2380	1.350		40.699	1.710
4	Alappuzha	276	276	2.125	10.053	2125	21.366		159.765	7.518
5	Kottayam	245	245	2.617	2.319	2617	6.067		106.727	4.078
6	Idukki	250	250	2.785	1.67	2785	4.650		264.978	9.514
7	Ernakulam	414	414	2.112	5.725	2112	12.088		37.270	1.765
8	Thrissur	504	503	2.219	11.552	2219	25.629		50.256	2.265
9	Palakkad	688	688	2.584	46.004	2584	118.856		47.686	1.845
10	Malappuram	652	652	2.13	6.385	2130	13.599		37.096	1.742
11	Kozhikkode	399	397	1.162	2.78	1162	3.232		57.912	4.984
12	Wayanad	274	274	2.494	9.413	2494	23.473		77.284	3.099
13	Kannur	476	476	2.088	3.641	2088	7.601		57.810	2.769
14	Kasaragod	348	348	2.078	1.936	2078	4.024		57.226	2.754
STATE		5435	5412	2.37	105.958	2370	251.105		27.866	1.176

ANNEXURE - 6
FINAL RESULT OF CROP ESTIMATION SURVEY ON DRIAGE RESULTS

Appendix : D5

Year: 2007-08

Crop: Paddy

Season : Winter

Sl. No	Name of District	No of Driage Experiments		Total of Plot Yield before driage (gms)	Total of Plot yield after driage (gms)	Driage rate applied for estimating yield
		Planned	Analysed			
1	2	3	4	5	6	7
1	Thiruvananthapuram	52	52	13000	11971	0.921
2	Kollam	42	42	10500	9694	0.923
3	Pathanamthitta	22	22	5500	5086	0.925
4	Alappuzha	41	41	10250	9468	0.924
5	Kottayam	30	30	7500	6663	0.888
6	Idukki	33	33	8250	7803	0.946
7	Ernakulam	75	75	18750	13868	0.740
8	Thrissur	89	89	22250	19826	0.891
9	Palakkad	57	57	14250	13377	0.939
10	Malappuram	45	45	11250	10510	0.934
11	Kozhikkode	45	45	11250	10177	0.905
12	Wayanad	9	9	2250	2095	0.931
13	Kannur	36	36	9000	7381	0.820
14	Kasaragod	18	18	4500	4165	0.926
STATE		594	594	148500	111180	0.749

ANNEXURE - 7
DETAILS OF NON-RESPONSE

Appendix: D6
Year: 2007-08

Crop: Paddy

Season : Winter

No	Name of District	No. of Experiments		Experiments not conducted due to			Experiment rejected due to						Grand Total
		Planned	Analysed	Prior harvest of the cultivator	Other Reasons	Total	Nonavailability of crop	Unreliable doubtful data	Discrepancy of data	Late receipt of returns	Other reasons	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	341	321					20				20	20
2	Kollam	396	396										
3	Pathanamthitta	172	172										
4	Alappuzha	276	276										
5	Kottayam	245	245										
6	Idukki	250	250										
7	Ernakulam	414	414										
8	Thrissur	504	503		1	1							1
9	Palakkad	688	688										
10	Malappuram	652	652										
11	Kozhikkode	399	397		2	2							2
12	Wayanad	274	274										
13	Kannur	476	476										
14	Kasaragod	348	348										
STATE		5435	5412		3	3		20				20	23

ANNEXURE - 8
CROP ESTIMATION SURVEYS - AUXILIARY INFORMATION - PERCENTAGE OF AREA UNDER
DIFFERENT AGRICULTURAL PRACTICES - A STATEMENT

Appendix-E2

Crop: Paddy

Season :Winter

Year: 2007-08

No	Name of District	Seeds		Chemically Mannuared	Other mannured	Both chemical and other mannured	Not Mannuared	Treated with pesticides	No Pesticides
		Improved	Local						
1	2	3	4	5	6	7	8	9	10
1	Thiruvananthapuram	96.00	4.00	98.75	89.72	94.24	5.76	84.42	15.58
2	Kollam	37.00	63.00	95.20	83.84	89.52	10.48	60.86	39.14
3	Pathanamthitta	89.00	11.00	100.00	74.42	87.21	12.79	92.44	7.56
4	Alappuzha	61.00	39.00	71.01	48.91	59.96	40.04	78.62	21.38
5	Kottayam	91.00	9.00	99.18	27.35	63.27	36.73	93.47	6.53
6	Idukki	83.00	17.00	96.00	46.80	71.40	28.60	71.20	28.80
7	Ernakulam	95.00	5.00	97.83	55.31	76.57	23.43	88.41	11.59
8	Thrissur	69.00	31.00	89.26	64.61	76.94	23.06	70.38	29.62
9	Palakkad	76.00	24.00	90.84	48.55	69.70	30.30	62.65	37.35
10	Malappuram	55.00	45.00	89.26	77.45	83.36	16.64	76.99	23.01
11	Kozhikkode	3.00	97.00	56.17	74.56	65.37	34.63	12.09	87.91
12	Wayanad	56.00	44.00	71.53	60.58	66.06	33.94	33.94	66.06
13	Kannur	59.00	41.00	87.82	85.71	86.77	13.23	40.76	59.24
14	Kasaragod	65.00	35.00	94.25	87.36	90.81	9.19	81.03	18.97
STATE		66.00	34.00	88.29	67.07	77.68	22.32	65.65	34.18

ANNEXURE - 9

CROP ESTIMATION SURVEYS : THE FINAL ESTIMATION OF YIELD AND PRODUCTION OF RICE 2007-08 (SUMMER)

Appendix - D1

No	Name of District	No Of Experiments		Estimated Yield in Tonnes/Ha (Rice)	Area in 1000Ha	Average Yield (Kg/Ha) (Rice)	Estimated Production of Rice in 1000 Tons	Bund Correction Factor (if any) applied	Sampling Error for Av. Yield	% of Sampling Error
		Planned	Analysed							
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	96	96	2.407	0.077	2407	0.184	Not Applied	92.80339	3.856
2	Kollam	62	62	1.621	0.06	1621	0.097		194.0625	11.972
3	Pathanamthitta	117	117	2.288	1.329	2288	3.040		225.0806	9.837
4	Alappuzha	181	181	1.751	15.291	1751	26.776		69.8538	3.989
5	Kottayam	209	209	2.582	5.989	2582	15.467		104.1655	4.034
6	Idukki	117	117	2.626	0.058	2626	0.152		41.2063	1.569
7	Ernakulam	295	291	1.844	2.236	1844	4.123		44.4025	2.408
8	Thrissur	361	360	3.024	8.721	3024	26.374		95.6028	3.161
9	Palakkad	241	241	2.808	6.086	2808	17.089		117.0671	4.169
10	Malappuram	278	275	3.447	1.528	3447	5.268		115.6930	3.356
11	Kozhikkode	297	296	2.03	0.788	2030	1.601		124.2530	6.121
12	Wayanad	272	270	2.874	2.995	2874	8.606		96	3.347
13	Kannur	136	136	1.574	0.121	1574	0.190		82.6559	5.251
14	Kasaragod	156	156	1.854	0.168	1854	0.311		69.6870	3.759
STATE		2818	2807	2.405	45.447	2405	109.278	37.7824	1.571	

ANNEXURE - 10
FINAL RESULT OF CROP ESTIMATION SURVEY ON **DRIAGE** RESULTS

Appendix : D5

Year: 2007-08

Crop : Paddy

Season :Summer

Sl. No	Name of District	No of Driage Experiments		Total of Plot Yield before driage (gms)	Total of Plot yield after driage (grms)	Driage rate applied for estimating yield
		Planned	Analysed			
1	2	3	4	5	6	7
1	Thiruvananthapuram	29	29	7250	6634	0.915
2	Kollam	20	20	5000	4485	0.897
3	Pathanamthitta	24	24	6000	5539	0.923
4	Alappuzha	36	36	9000	8228	0.914
5	Kottayam	27	27	6750	6020	0.892
6	Idukki	24	24	6000	5664	0.944
7	Ernakulam	43	43	10750	9846	0.916
8	Thrissur	78	78	19500	17949	0.920
9	Palakkad	34	34	8500	8014	0.943
10	Malappuram	45	45	11250	8524	0.758
11	Kozhikkode	42	42	10500	9369	0.892
12	Wayanad	12	12	3000	2108	0.703
13	Kannur	23	23	5750	4421	0.769
14	Kasaragod	15	15	3750	3465	0.924
STATE		452	452	113000	111180	0.984

ANNEXURE - 11
DETAILS OF NON-RESPONSE

Appendix(D6)
Year: 2007-08

Crop: Paddy

Season :Summer

No	Name of District	No.of Experiments		Experiments not conducted			Experiment rejected due to						Grand Total
		Planned	Analysed	Prior harvest of the cultivator	Other Reasons	Total	Nonavailability of crop	Unreliable doubtful data	Discrepancy of data	Late receipt of returns	Other reasons	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	96	96										
2	Kollam	62	62										
3	Pathanamthitta	117	117										
4	Alappuzha	181	181										
5	Kottayam	209	209										
6	Idukki	117	117										
7	Ernakulam	295	291		4	4							4
8	Thrissur	361	360		1	1							1
9	Palakkad	241	241										
10	Malappuram	278	275		3	3							3
11	Kozhikkode	297	296		1	1							1
12	Wayanad	272	270		2	2							2
13	Kannur	136	136										
14	Kasaragod	156	156										
	STATE	2818	2807		11	11							11

ANNEXURE - 12
CROP ESTIMATION SURVEYS - AUXILIARY INFORMATION - PERCENTAGE OF AREA UNDER
DIFFERENT AGRICULTURAL PRACTICES - A STATEMENT

Appendix-E2
Year: 2007-08

Crop: Paddy

Season :Summer

No	Name of District	Seeds		Chemically Mannured	Other mannured	Both chemical and other mannured	Not Mannured	Treated with pesticides	No Pesticides
		Improved	Local						
1	2	3	4	5	6	7	8	9	10
1	Thiruvananthapuram	100.00		97.92	71.88	84.90	15.10	92.71	7.29
2	Kollam	82.26	18.00	90.32	95.16	92.74	7.26	98.39	1.61
3	Pathanamthitta	100.00		100.00	64.10	82.05	17.95	91.45	8.55
4	Alappuzha	100.00		100.00	32.60	66.30	33.70	97.79	2.21
5	Kottayam	99.04	0.96	96.17	100.00	98.09	1.91	99.52	0.48
6	Idukki	85.47	14.53	88.03	51.28	69.66	30.34	87.18	12.82
7	Ernakulam	98.63	1.37	100.00	56.21	78.10	21.90	97.93	2.07
8	Thrissur	98.89	1.11	96.39	45.28	70.83	29.17	97.22	2.78
9	Palakkad	95.44	4.56	41.49	93.36	67.43	32.57	90.46	9.54
10	Malappuram	86.91	13.09	97.82	71.27	84.55	15.45	84.41	8.81
11	Kozhikkode	87.16	12.84	92.54	73.56	83.05	16.95	43.39	56.61
12	Wayanad	97.04	2.96	86.67	79.26	82.96	17.04	38.15	61.85
13	Kannur	58.09	41.91	97.79	86.03	91.91	8.09	26.47	73.53
14	Kasaragod	61.54	38.46	96.15	97.44	96.79	3.21	75.64	24.36
STATE		91.16	8.84	90.77	70.47	77.68	22.32	79.44	20.56