



Government of Kerala

**Agricultural Statistics
2006 – 2007**

**Department of Economics & Statistics
Kerala**

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PREFACE

'Agricultural Statistics' is one of the important publications of the Department of Economics and Statistics, Government of Kerala. The Department publishes the report in every agricultural year. This report presents the result of sample survey conducted in Kerala during the period from 01.07.2006 to 30.06.2007 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, land utilisation details under thirteen way classifications categories etc is included in this report. Comparative study of important crops in Kerala for the year 1961-62 and 2006-07, farm wholesale prices of important crops, rainfall during the year 2006 -'07, District wise agricultural income for the year 2004-05 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 would be of 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

14-2-2008.

M.R. BALAKRISHNAN

DIRECTOR

Contents

		Page No
Introduction		- 1
A brief analysis of the area of important Crops for 2006-'07		- 3
Table - 1	Area and Production of important crops in Kerala (1961-'62 & 2006-'07)	- 7
Table - 2	Classification of area on the basis of land utilisation	- 9
Table - 3	Area under crops – 2006-'07	- 12
A brief analysis of the production of the important crops for 2006-'07		- 22
Table - 4	Production of important crops – 2006-'07	- 24
Table - 5	Estimated area and production of Rice – Autumn 2006-'07	- 27
Table - 6	Estimated area and production of Rice – Winter 2006-'07	- 28
Table - 7	Estimated area and production of Rice – Summer 2006-'07	- 29
Table - 8	Estimated productivity of crops	- 32
Table - 9	Net area irrigated (Source wise) – 2006-'07	- 35
Table -10	Gross area under irrigation (Crop wise) – 2006-'07	- 37
Table -11	Rainfall distribution of Kerala – 2006-'07	- 38
Table -12	Average farm wholesale prices of important crops in Kerala - 2006-'07	- 40
Table -13	Cost of cultivation of some crops during the year 2005-'06	- 41
Table -14	District income of major agricultural crops – 2004-'05	- 42
Annexure - 1	Crop Estimation Surveys-Estimation of yield and production of Rice – 2006-'07 (Autumn)	- 44
Annexure - 2	Final result of crop estimation survey on driage results-Paddy (Autumn)	- 45
Annexure - 3	Details of non-response – Paddy (Autumn)	- 46
Annexure - 4	Auxiliary information-Percentage of area under different agricultural practices-Paddy (Autumn)	- 47
Annexure - 5	Crop Estimation Surveys-Estimation of yield and production of Rice – 2006-'07 (Winter)	- 48
Annexure – 6	Final result of crop estimation survey on driage results-Paddy (Winter)	- 49
Annexure – 7	Details of non-response – Paddy (Winter)	- 50
Annexure – 8	Auxiliary information-Percentage of area under different agricultural practices-Paddy (Winter)	- 51
Annexure – 9	Crop Estimation Surveys-Estimation of yield and production of Rice – 2006-'07 (Summer)	- 52
Annexure – 10	Final result of crop estimation survey on driage results-Paddy (Summer)	- 53
Annexure – 11	Details of non-response – Paddy (Summer)	- 54
Annexure - 12	Auxiliary information-Percentage of area under different agricultural practices-Paddy (Summer)	- 55

INTRODUCTION

The report on “Agricultural Statistics” annually published by the Directorate of Economics and Statistics deals with estimates of area under various crops, land utilization pattern, crop production and other major aspects of agricultural sector of Kerala economy. Initially the data collected through the land utilization survey was utilized 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 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 on a phased manner covering the entire state. EARAS scheme was further revised in 1987-88 with a view to prepare district level estimates with breakup for Block/Municipality / Corporation. During 1993-94 the Investigator zones were re-organised 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 important components in the estimation of crop production. The area statistics are collected through the area enumeration survey and the yield of crops are collected under 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 10square km are merged with the adjoining Blocks) / City 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. 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 is the first stage unit of sampling, selected clusters of each Investigator Zone the second stage unit, and the selected survey number of the plot is the ultimate unit of sampling.

Sampling Size

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

Investigators identify the survey number of the key plots and 4 or more Survey numbers/Sub-division numbers (Clubbed survey numbers if area of the survey numbers is small), adjacent to the key survey number as per the instruction Manuel of the sample 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 visited at least two times for enumeration of area. The area under crops of each season – annual, perennial, horticulture and vegetables etc, land utilization details, irrigation particulars etc are collected by the Investigators at the time of enumeration. Simultaneously Investigator selects and conduct crop – cutting experiments of all major crops and selected minor crops for the estimation of yield rates and production of crops.

The mean yield of crops for Crops Insurance in the state are provided to the National Agricultural Insurance Company for the payment of insurance claim to the farmers based on the loss in cultivation of crops.

A BRIEF ANALYSIS OF THE AREA OF IMPORTANT CROPS FOR 2006-'07

Land Utilization:

Out of the total geographical area of 3886287 hectares, 27.81% of area is forest, 9.23% of area of land put to Non-Agricultural Use and 0.67% of area is barren and uncultivable land. The total net area sown was 21.01 lakh hectare and area sown more than once was 8.16 lakh hectares. During 2006-'07, the area under marshy land, still water, waterlogged and social forestry were 0.01%, 2.13%, 0.11% and 0.07% respectively. The total cropped area was 29.2 lakh hectares. In the case of land put to non-agricultural use and fallow other than current fallow, Palakkad District occupied the first position followed by Ernakulam District.

The district wise estimates of area under different classifications on land use are presented in Table-2.

Area of important Crops:

The estimates of area under important crops in Kerala are given in Table-1. The major crops cultivated in the state are Paddy, Coconut, Arecanut, Pepper, Tapioca, Rubber, Cashew, Banana, Plantain, Jack Coffee, Tea and Cardamom.

Paddy:

From the Table-1, it is obvious that during the year 1961-'62 the total paddy area was 7.53-lakh hectare whereas in 2006-'07 it was decreased by 2.63-lakh hectares, which reveals that paddy area is decreased by 65% within 45 years.

Season wise analysis of paddy for 2006-'07 revealed that during Autumn season the area of paddy was 0.84 lakh Ha, in winter season it was 1.44-lakh hectares and in

summer season it was only 0.36-lakh hectares. It shows that paddy cultivation during winter season was the highest. District wise analysis reveals that Palakkad District occupied the first position with area of 109208 hectare followed by Alappuzha District with area of 31060 hectare. Paddy area was least in Pathanamthitta District with 2616 hectares.

On analysis of season and variety wise of paddy, the total area of high yielding variety during autumn season for 2006-'07 was 90.75% whereas the total area of paddy under Non High Yielding Variety was only 9.25%.. The corresponding figures for winter and summer season were 78.33% (HYV), 21.67% (Local) & 98.89% (HYV) and 1.11% (Local) respectively.

Coconut:

In Kerala, the area under coconut Crop for the year 1961-62 was 5.05-lakh hectare. In 2006-07 it was increased to 8.73-lakh hectare. The increase in Area of Coconut was 73%. Considering the area of cultivation of crops, coconut occupied the first place. District wise analysis revealed that Kozhikode District ranks first position with an area of 14.82% followed by Malappuram District with area of 12.86% of the total coconut area. In the case of production of coconut nuts, Malappuram District was at the top followed by Kozhikode and Kannur, second and third respectively. Production of coconut was lowest in Wayanad district with 1.38 % of the total production of the state.

Other Oil Seeds:

During 2006-'07, the total area of oil seeds in Kerala was 8.77-lakh hectare. Sesamum was cultivated only in 732 hectares where as Grount nut was cultivated in 2813 hectares.

Areacanut:

Comparing the area of Areacanut with the previous year (2005-'06), it shows a decreasing trend in the state. Areacanut occupied only 1.02-lakh hectare of area in Kerala for the year 2006-07. Among the Districts, Malappuram district has the highest

area, ie 16.56% of the total Arecanut area followed by Kasaragod district with 14.61%. Thiruvananthapuram was the lowest Arecanut cultivated district in the state.

Spices and Condiments:

The important spices and condiments crops being cultivated in the state are Pepper, Ginger, Turmeric and Cardamom. During 2006-07, the area of Spices and condiments were 4.1 lakh hectares, out of that about 52.75% of area cultivated Pepper, 2.70% of area cultivated Ginger and 10.07% of area cultivated cardamom. Idukki district has the highest cultivated area of Pepper (38.60%) in the state followed by Wayanad (16.84%) district.

Cashew:

Cashew crop is one of the important crops for foreign earning in the state. Generally, the area of cashew cultivated in the state shows a decreasing trend. For the year 2006-07, the total Cashew area was 70463 hectare. District wise analysis reveals that Kannur district rank first with a total area of 25191 hectares followed by Kasaragod District with 14518 hectares.

Tapioca:

Tapioca was one of the important crops cultivated in the state during the past. Generally the area of tapioca shows a decreasing trend in the state. However the interesting aspect is that the productivity of tapioca in the state shows an increasing trend. Tapioca is one of the important Tuber crops cultivating in three seasons of Agriculture year. The total cultivated area of Tapioca for the year 2006-07 was 87128 hectare, out of which the area in Autumn Winter and Summer seasons were 17024, 31380 and 38724 Ha respectively. The cultivated area of Tapioca was highest in summer season.

Plantation Crops.

For the Year 2006-07, total area of plantation crop was 6.33-lakh hectare. Kottayam district was first in the cultivation of plantation crops followed by Wayanad District. Out of the total area of plantation crops, Rubber occupied 79.36%, Coffee it was 13.36% and tea occupied 5.59% respectively.

The following statement gives a clear picture of the cropping pattern of the state for 2006-'07

Net area sown	-	2101431 Ha
Total Cropped area	-	2917541 Ha
Net area irrigated (Source wise)	-	391811 Ha
Gross area irrigated (crop wise)	-	490031 Ha
Net area irrigated (source wise) to net area sown	-	18.64 %
Total Gross area irrigated	-	16.8 %
Total irrigated paddy area	-	65.68 %
Total irrigated coconut area	-	20.36 %
Cropping intensity	-	138.84 %

TABLE-1
AREA & PRODUCTION OF IMPORTANT CROPS IN KERALA
FOR THE YEAR 1961-62 & 2006-07

Sl. No.	Crop	Area (Ha)			Production (Tonnes)		
		1961-62	2006-07	% Variation	1961-62	2006-07	% Variation
1	Paddy !!	753009	263529	-65	988150	641575	-35
2	Tapioca	236776	87128	-63	1618713	2518999	56
3	Coconut *	505035	872943	73	3247	6054	86
4	Pepper	99887	216709	117	26550	64264	142
5	Cashew	55051	70463	28	84449	61680	-27
6	Rubber	133133	502240	277	24589	780405	3074
7	Groundnut	15993	2813	-82	13533	2081	-85
8	Sesamum	11953	732	-94	2539	294	-88
9	Cotton #	9587	1300	-86	23751	1690	-93
10	Pulses	43546	6870	-84	16889	5211	-69
11	Ginger (Dry)	12050	11082	-8	11185	42496	280
12	Turmeric	4847	3917	-19	4267	9980	134
13	Banana	42693	59143	39	55443	463766	736
14	Tobaco	704	31	-96	915	50	-95
15	Total Cereals	766381	266497	-65	999566	643410	-36
16	Arecanut *	56764	102078	80	8091	22470	178
17	Coffee	18807	84571	350	8145	59475	630
18	Tea	37426	35365	-6	37428	53659	43

* Production in million nuts

Production in bales of 170 Kg.

!! Production in Rice

**AREA OF IMPORTANT CROPS IN KERALA
FOR THE YEAR 1961-'62 & 2006-'07**

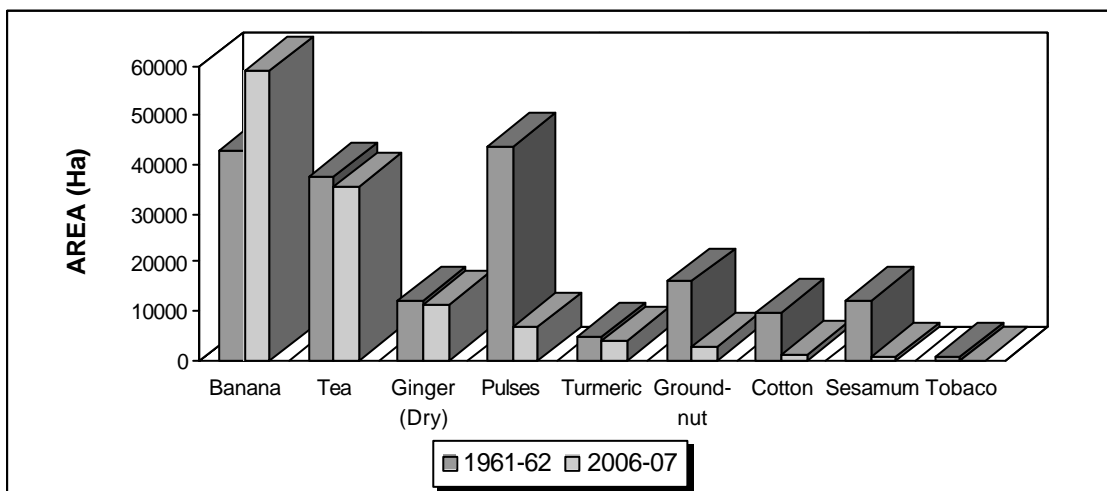
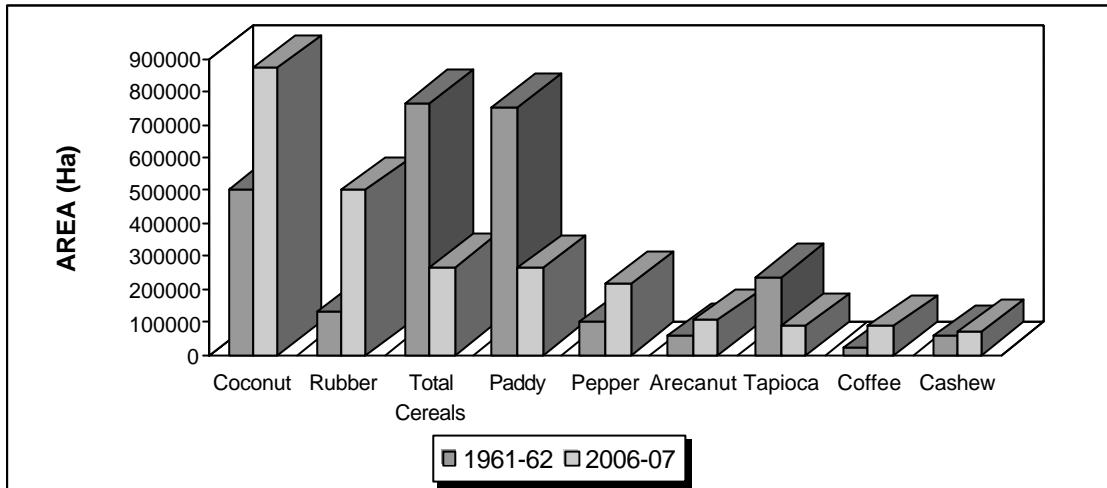
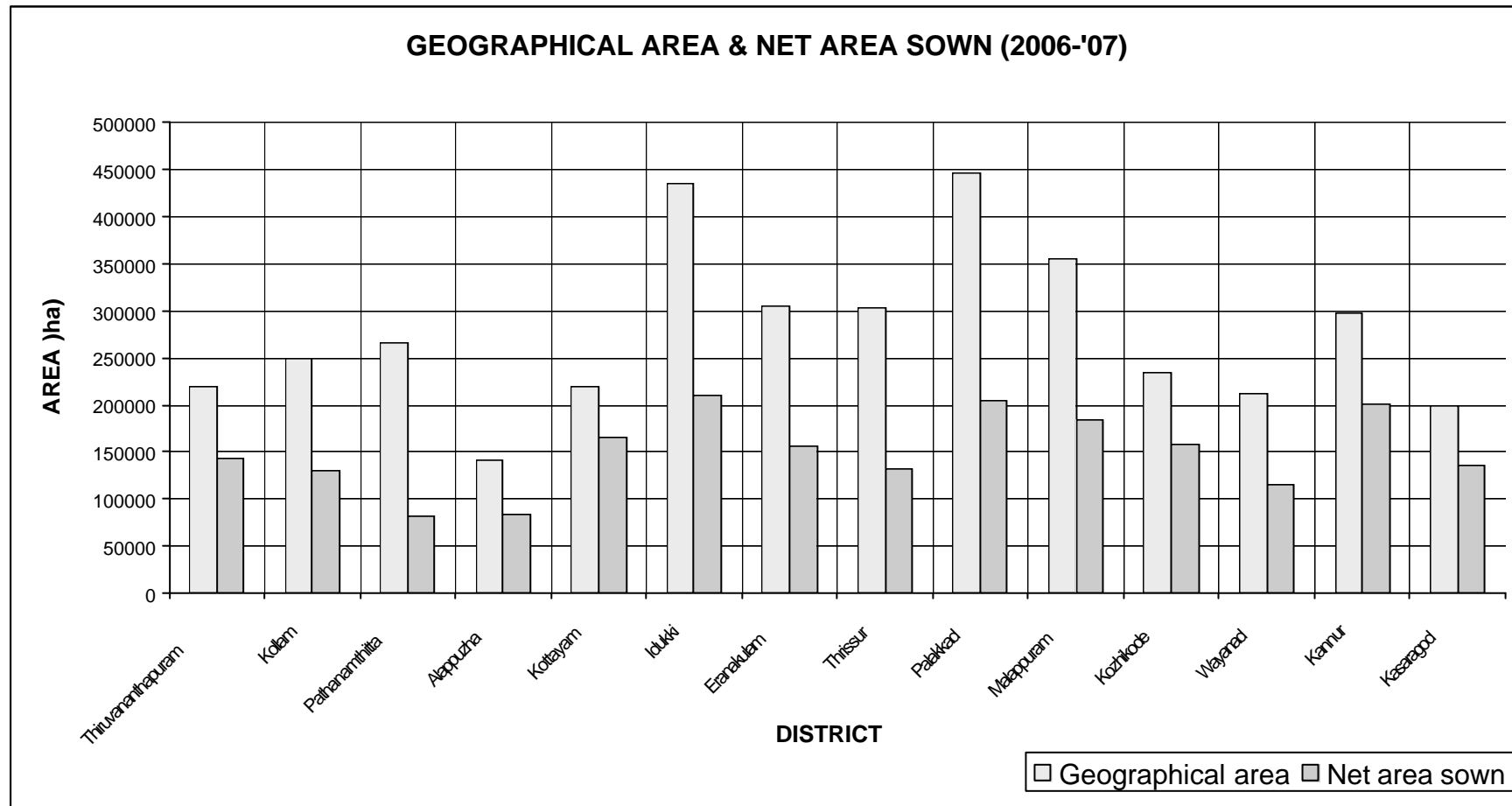
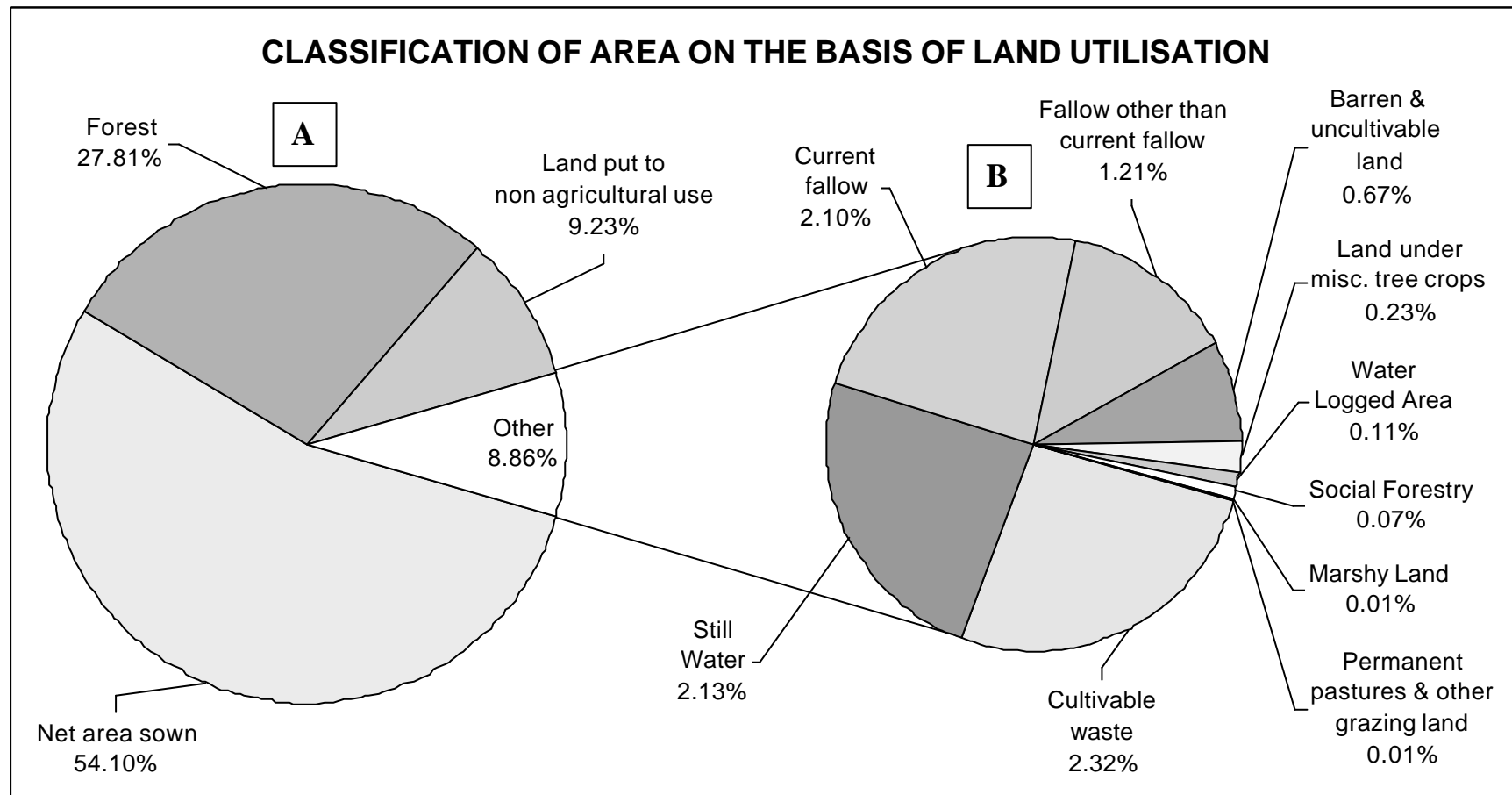


TABLE - 2
CLASSIFICATION OF AREA ON THE BASIS OF LAND UTILISATION

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	20328	361	4	54	564	230	2644	13	464	200	102	143956	23170	167126
2	Kollam	248788	81438	21810	190		87	697	1488	5264	85	6070	1557	95	130007	53282	183289
3	Pathanamthitta	265277	155214	15034	384		103	3205	3764	3214	9	2668	160	101	81421	29207	110628
4	Alappuzha	141011		20733	578		188	12624	5434	5430	41	12195	220	22	83546	30217	113763
5	Kottayam	220442	8141	22327	1802	11	141	7231	3595	4061	1	6362	182	69	166519	56016	222535
6	Idukki	436328	198413	9228	2434	171	222	1517	561	1245		10480		1322	210735	104412	315147
7	Eranakulam	305826	70617	44057	603	18	109	8754	5836	9292	118	9521	529	114	156258	44031	200289
8	Thrissur	302919	103619	32820	349	31	454	5482	5199	16030	4	6781	308	163	131679	50766	182445
9	Palakkad	447584	136257	47471	3121	4	3151	23591	9283	12455		7346	37	81	204787	132452	337239
10	Malappuram	355446	103417	37674	1513	3	507	7663	5576	10916		4356	68	260	183493	76761	260254
11	Kozhikode	234641	41386	23809	1182	20	167	1304	708	2583	50	4766	912	39	157715	63879	221594
12	Wayanad	212966	78787	10920	274	13	212	1706	536	1363	3	4055	13	25	115059	98935	213994
13	Kannur	297112	48734	26785	3670	8	718	5108	1968	3211	106	6040	215	73	200476	41705	242181
14	Kasaragod	199166	5625	25688	9664	18	2846	10842	2966	3943	5	1598	29	162	135780	11277	147057
	State	3886287	1081509	358684	26125	301	8959	90288	47144	81651	435	82702	4430	2628	2101431	816110	2917541

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





Note: Diagram B shows the classification of other items in diagram A

TABLE-3
AREA UNDER CROPS 2006-07

Sl. No.	District	Paddy				Jowar	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	1403	2373	73	3849	1			3850	5	6	320	331	4181
2	Kollam	1615	3879	3	5497				5497	13	6	176	195	5692
3	Pathanamthitta	230	1434	952	2616				2616	1	6	2	9	2625
4	Alappuzha	7594	13696	9770	31060				31060		1	58	59	31119
5	Kottayam	4149	4192	5473	13814				13814		1	153	154	13968
6	Idukki	851	1810	217	2878	11	6	114	3009		30	336	366	3375
7	Ernakulam	5740	13700	2455	21895		4		21899	1	7	316	324	22223
8	Thrissur	5389	16028	5894	27311			22	27333	7	5	7	19	27352
9	Palakkad	44443	58675	6090	109208	1802	504	489	112003	97	4013	146	4256	116259
10	Malappuram	4782	8732	1595	15109	1			15110	4	33	141	178	15288
11	Kozhikode	295	3429	571	4295				4295	17	9	76	102	4397
12	Wayanad		9265	2567	11832	8	2		11842			333	333	12175
13	Kannur	4602	4142	98	8842				8842	1	4	432	437	9279
14	Kasaragode	2766	2369	188	5323	4			5327	1	2	104	107	5434
State Total		83859	143724	35946	263529	1827	516	625	266497	147	4123	2600	6870	273367

(Table - 3 Contd.....)

TABLE-3
AREA UNDER CROPS 2006-07

(Area in Ha)

Sl. No.	District	Sugar Crops			Spices and Contiments												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	76	77	6295	89	28		1074	1329	43	41	56	1		8956	9033
2	Kollam	1	18	19	10873	529	266	12	2398	810	24	49	71	5		15037	15056
3	Pathanamthitta	36	61	97	4919	604	103	664	1346	290	129	41	514	16		8626	8723
4	Alappuzha	48	17	65	1872	66	20		2021	475	15	23	180	22		4694	4759
5	Kottayam	67	378	445	10418	230	169	200	1940	523	652	90	1147	28		15397	15842
6	Idukki	781	188	969	83652	863	321	32840	3416	395	885	568	1536	60	221	124757	125726
7	Ernakulam		179	179	6637	396	629		4908	806	557	21	5403	13		19370	19549
8	Thrissur		133	133	5623	111	141		7279	1898	71	82	3309	17		18531	18664
9	Palakkad	222	2369	2591	8368	1762	923	2754	8003	6157	85	11	152	9		28224	30815
10	Malappuram		474	474	9187	151	321	70	16900	2235	81	15	270	17		29247	29721
11	Kozhikode		169	169	10652	160	407	220	12340	843	196	61	528	55		25462	25631
12	Wayanad	1	123	124	36488	5901	369	4106	12737	166	274	37	60	34		60172	60296
13	Kannur	2	63	65	15068	160	163	128	12806	710	497	23	198	45		29798	29863
14	Kasaragode	2	38	40	6657	60	57	368	14910	239	159	40	70	5		22565	22605
State Total		1161	4286	5447	216709	11082	3917	41362	102078	16876	3668	1102	13494	327	221	410836	416283

Source:-

* Spices Board

(Table - 3 Contd.....)

**TABLE-3
AREA UNDER CROPS 2006-07**

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	5506	3486	2257	5397	293	1257	466	18662	1197	19859
2	Kollam	6633	5774	1917	4299	423	1457	523	21026	3701	24727
3	Pathanamthitta	2558	1678	2599	2183	320	557	601	10496	1025	11521
4	Alappuzha	2359	4364	601	2377	93	1067	628	11489	2995	14484
5	Kottayam	4490	3000	2637	3651	998	1226	706	16708	589	17297
6	Idukki	9743	3939	1971	3383	1553	692	681	21962	1240	23202
7	Ernakulam	3831	3892	6855	4268	7489	1177	611	28123	948	29071
8	Thrissur	4403	6739	2980	5754	168	1604	1010	22658	2419	25077
9	Palakkad	6644	9597	11007	8602	182	1480	1008	38520	5094	43614
10	Malappuram	8763	8367	9048	3175	303	2497	722	32875	7249	40124
11	Kozhikode	9896	9394	1880	2811	230	1935	646	26792	2948	29740
12	Wayanad	12421	5560	11885	1715	61	412	460	32514	1349	33863
13	Kannur	8624	8217	2728	3067	245	1591	893	25365	25191	50556
14	Kasaragode	2487	2702	778	2414	128	741	513	9763	14518	24281
State Total		88358	76709	59143	53096	12486	17693	9468	316953	70463	387416

(Table - 3 Contd.....)

TABLE-3
AREA UNDER CROPS 2006-07

(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	4916	5238	7968	18122	465	520	60	23	175	1243
2	Kollam	3638	8537	9688	21863	1521	2106	735	14	231	4607
3	Pathanamthitta	1014	2388	3598	7000	1685	1634	640	5	132	4096
4	Alappuzha	355	1160	1149	2664	240	544	182	6	30	1002
5	Kottayam	612	2643	2653	5908	1071	930	216	4	23	2244
6	Idukki	916	3377	2848	7141	909	725	215	15	64	1928
7	Ernakulam	1448	1589	3080	6117	463	389	37	10	114	1013
8	Thrissur	357	520	577	1454	138	373	5	5	514	1035
9	Palakkad	715	1578	1350	3643	619	787	33	87	949	2475
10	Malappuram	1949	1757	2342	6048	735	1106	91	132	145	2209
11	Kozhikode	336	779	848	1963	319	706	63	26	107	1221
12	Wayanad	355	701	1544	2600	3129	600	84	16	7	3836
13	Kannur	382	784	936	2102	220	614	30	40	76	980
14	Kasaragode	31	329	143	503	64	151	11	122	3	351
State Total		17024	31380	38724	87128	11578	11185	2402	505	2570	28240

(Table - 3 Contd.....)

TABLE-3
AREA UNDER CROPS 2006-07

(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	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1	Thiruvananthapuram	2029	167	82	129	49	52	87	8	3	9	135	354	3104	55542
2	Kollam	2045	161	111	45	40	70	164	73	41	54	32	581	3417	75362
3	Pathanamthitta	520	102	114	96	48	98	46	107	46	51	59	557	1844	35809
4	Alappuzha	572	180	122	99	28	73	78	42	29	37	115	393	1768	55796
5	Kottayam	726	62	275	261	45	85	42	273	32	38	60	903	2802	58061
6	Idukki	458	27	389	14	14	32	38	48	15	37	10	4949	6031	167403
7	Ernakulam	634	124	168	143	69	68	102	79	59	55	159	1287	2947	80920
8	Thrissur	1482	73	234	53	53	38	156	40	47	46	32	562	2816	76398
9	Palakkad	2112	88	423	198	473	153	304	118	177	221	65	3151	7483	204289
10	Malappuram	3057	79	129	58	88	46	99	23	159	269	282	1310	5599	98989
11	Kozhikode	2948	81	64	16	35	11	68	11	43	49	94	360	3780	66732
12	Wayanad	691	57	134	2	12	19	53	7	60	154	34	468	1691	114461
13	Kannur	1790	139	114	24	58	44	100	49	95	49	249	633	3344	96124
14	Kasaragode	616	81	49	10	56	38	78	87	15	26	191	275	1522	54696
State Total		19680	1421	2408	1148	1068	827	1415	965	821	1095	1517	15783	48148	1240582

(Table - 3 Contd.....)

TABLE-3
AREA UNDER CROPS 2006-07

(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			77463	34	77497		26		6	32	965		29230	84	30279	107808
2	Kollam		52	65392	48	65492		39		6	45	1258		35545	18	36821	102358
3	Pathanamthitta		1	18842	126	18969		61		6	67	91		49835	569	50495	69531
4	Alappuzha		192	48726	158	49076		38		1	39			4065	207	4272	53387
5	Kottayam			36204	82	36286		8		18	26	1963	1700	111830	1402	116895	153207
6	Idukki		7	23668	15	23690		1		587	588	23914	10835	38990	5298	79037	103315
7	Ernakulam		68	54710	62	54840		23		1	24	2		57565	1481	59048	113912
8	Thrissur		7	84454	330	84791		17		3	20	530		14480	74	15084	99895
9	Palakkad	2813	98	60182	1303	64396	1300	3		31	1334	852	4650	33060	86	38648	104378
10	Malappuram		303	112238	160	112701		350			350	174		34310	127	34611	147662
11	Kozhikode			129401	46	129447		18		9	27			18880	828	19708	149182
12	Wayanad		3	12034	9	12046		1		135	136	5616	67386	8090	147	81239	93421
13	Kannur			91393	127	91520		8		56	64			39740	305	40045	131629
14	Kasaragode		1	58236	31	58268		20	31	1	52			26620	82	26702	85022
State Total		2813	732	872943	2531	879019	1300	613	31	860	2804	35365	84571	502240	10708	632884	1514707

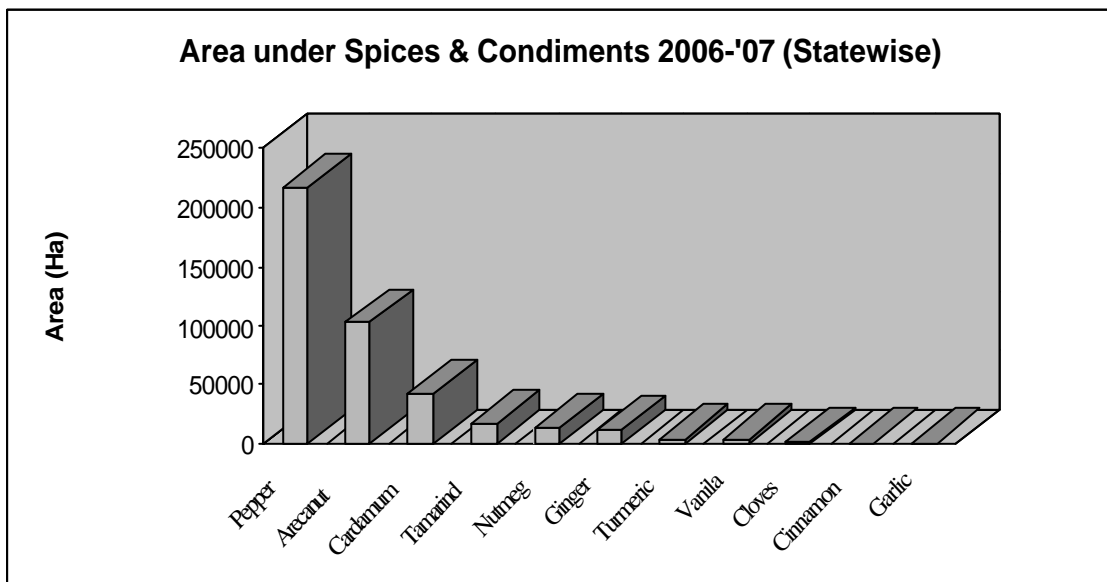
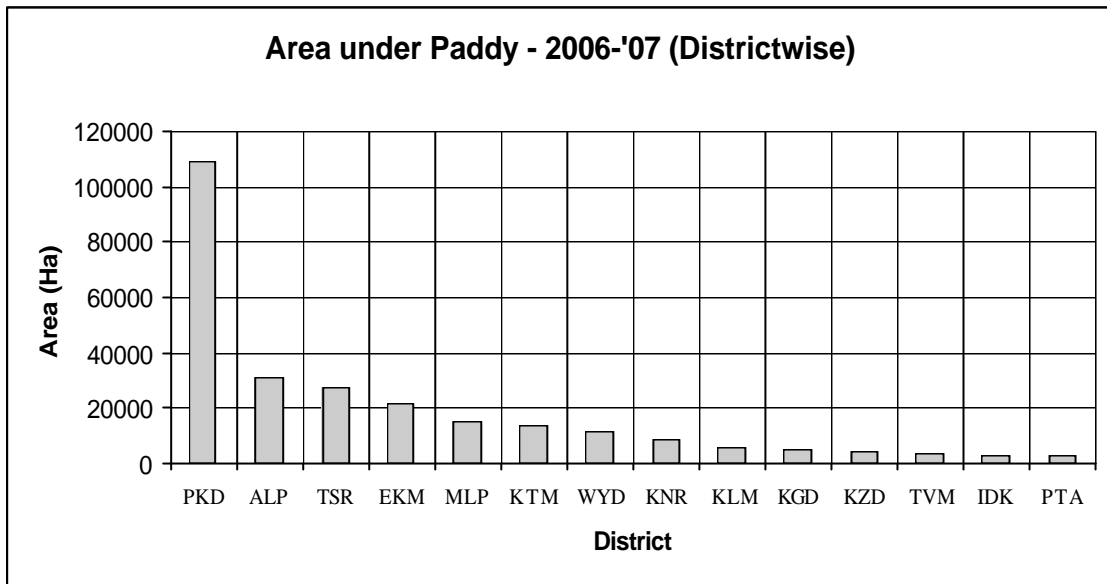
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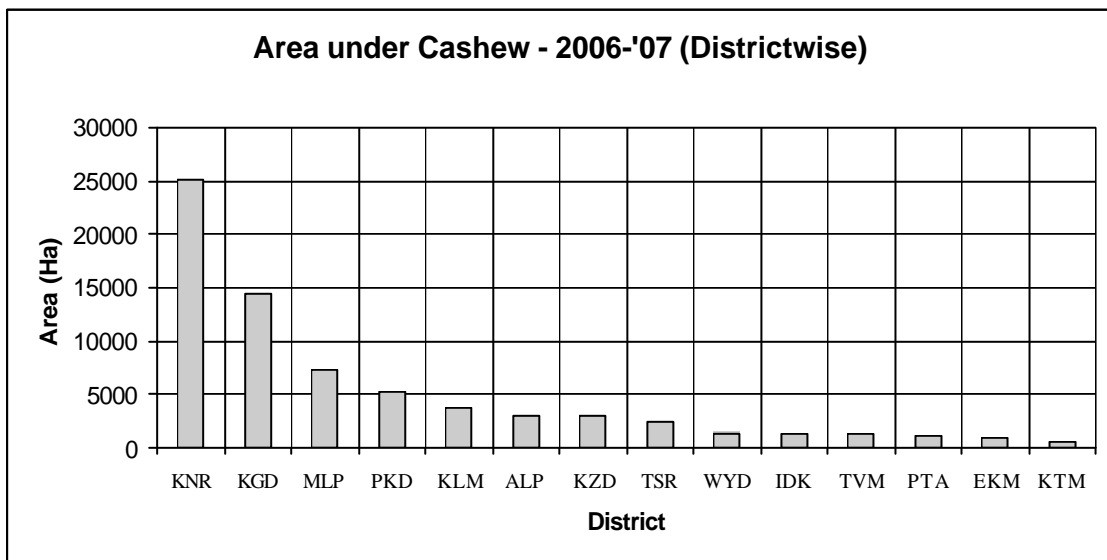
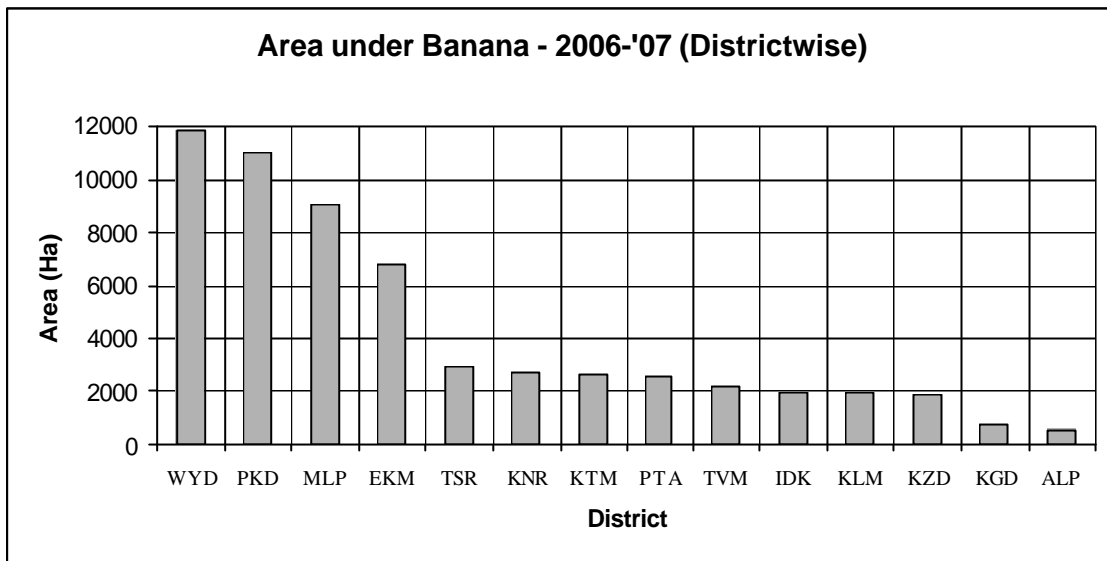
- * Tea Board
- ** Coffee Board
- # Rubber Board

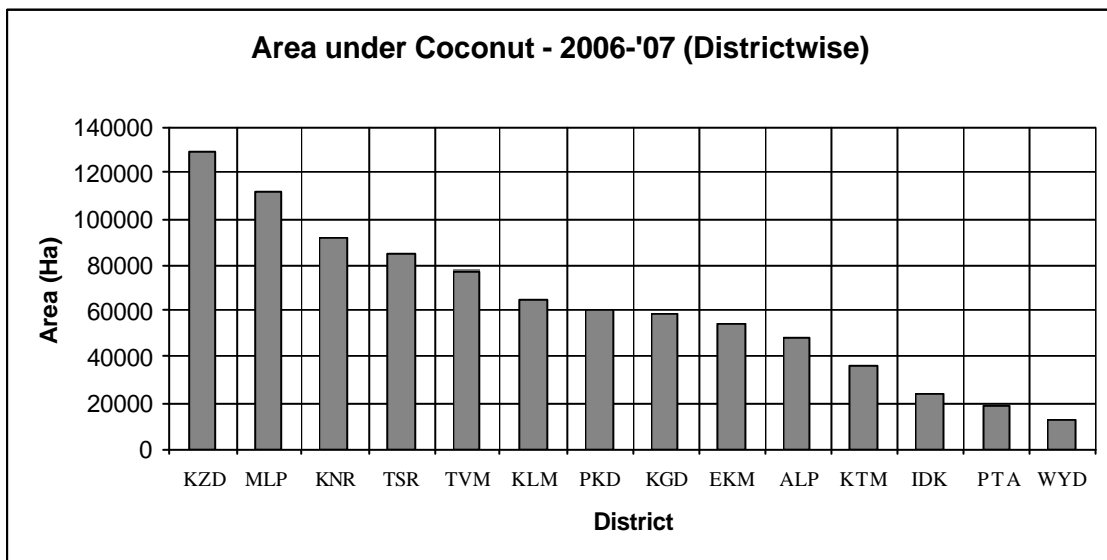
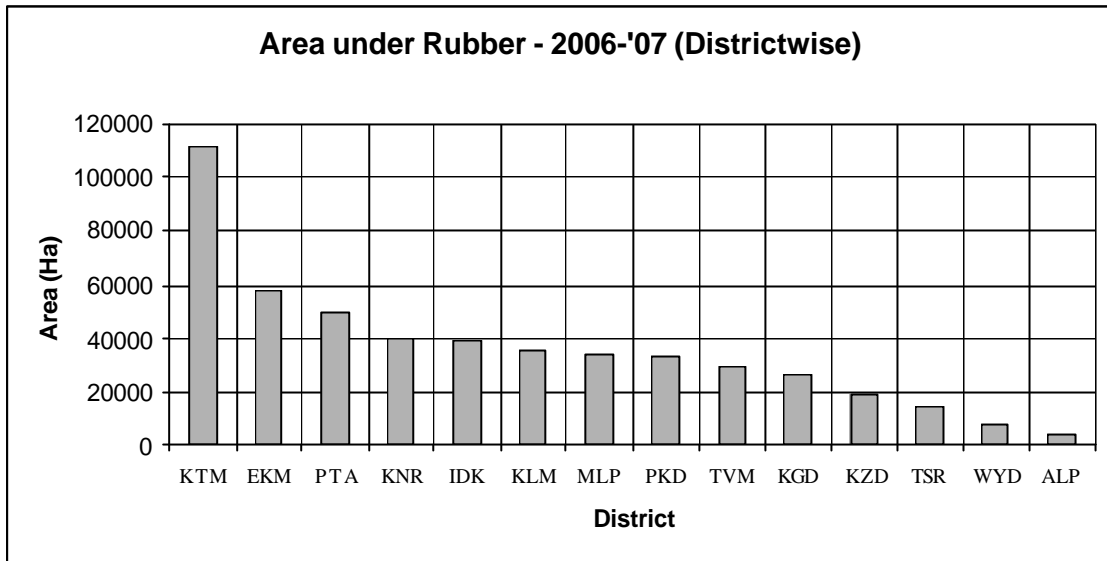
(Table - 3 Contd.....)

TABLE-3
AREA UNDER CROPS 2006-07

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	147	531	3085	13	3776	111584	167126
2	Kollam	253	1223	4050	43	5569	107927	183289
3	Pathanamthitta	233	916	4112	27	5288	74819	110628
4	Alappuzha	187	599	3779	15	4580	57967	113763
5	Kottayam	240	940	10048	39	11267	164474	222535
6	Idukki	1495	890	42015	29	44429	147744	315147
7	Ernakulam	205	636	4585	31	5457	119369	200289
8	Thrissur	92	1478	4475	107	6152	106047	182445
9	Palakkad	1042	2554	24827	149	28572	132950	337239
10	Malappuram	24	5432	8128	19	13603	161265	260254
11	Kozhikode	76	1802	3772	30	5680	154862	221594
12	Wayanad	277	787	5040	8	6112	99533	213994
13	Kannur	202	1350	12860	16	14428	146057	242181
14	Kasaragode	98	2317	4906	18	7339	92361	147057
State Total		4571	21455	135682	544	162252	1676959	2917541







A Brief Analysis Of The Production Of Important Crops
For 2006 – 2007

Rice: -

Total production of rice during the year 2006-'07 was estimated as 6.41 lakh tonnes as against 6.30 lakh tonnes in 2005-'06. This shows an increasing trend in the production of rice in the state. The productivity of rice in autumn, winter and summer seasons for 2006-'07 is 2281 kg./Ha, 2413Kg./Ha, 2881 Kg./Ha respectively. The productivity of rice in autumn and winter seasons was highest in Alappuzha district (2935Kg/Ha and 2920Kg/Ha). In summer season, the productivity of rice was highest in Thrissur district (3461Kg/Ha.) and the same was lowest in Kannur district (1224Kg/Ha). As usual, Palakkad district was in the first place in the production of rice during the year 2006-'07. The production of rice was lowest in Kozhikode district with 6092 tonnes during the year. Analysing the productivity of rice at district level, the same was lowest in Kozhikode district in all seasons during 2006-'07 except in Kannur district during summer season.

Coconut: -

Total production of Coconut during the year 2006-'07 was 6054 million nuts. Malappuram district occupies first place in the production of Coconut in the state followed by Kozhikode district. The productivity of Coconut during the year was decreased when compared with previous year. Productivity of Coconut was highest in Kollam district with 7830 nuts per hectare followed by Thiruvananthapuram district and the same was lowest in Wayanad district with 3906 nuts per hectare.

Arecanut: -

Among the districts, Kasaragod district was the first place in the production of Arecanut with 32% of the total production of the state. Malappuram district was the second place in the production of Arecanut. Arecanut production was lowest in

Alappuzha district with 0.61% of the total production in the state. Productivity of Arecanut was highest in Kasaragod district (2367Kg/Ha) followed by Idukki district and the lowest productivity of Arecanut was in Alappuzha district.

Tapioca:

Production of Tapioca was highest in Kollam district with 23.68% of total Tapioca production in the state followed by Thiruvananthapuram district (16.60%). The production of Tapioca was lowest in Kasaragod district with 12278 tonnes. However, the productivity of Tapioca was highest in Ernakulam district.

Pepper: -

The production of Pepper during 2006-'07 was less than the previous year. During 2006-'07, Pepper production was highest in Idukki district with 54.93% of the total production of the state and lowest production was in Alappuzha district (0.36%). In the case of productivity of Pepper, it was also highest in Idukki district (422 Kg/ha) and lowest in Malappuram district (121 Kg/ha) followed by Kozhikode district (123 Kg/ha).

Irrigation

Major source of irrigation during the period was from private wells and other sources. The irrigated area under these sources was 28.95% & 27.13% respectively. The net area irrigated in the State during the year was 391811 ha.

**TABLE - 4
PRODUCTION OF IMPORTANT CROPS 2006-07**

SI. 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	3602	6288	187	10077	1			2	1450	79	238	247	51	
2	Kollam	3904	8672	4	12580				2	3158	149	142	1525	510	
3	Pathanamthitta	550	3423	3128	7101				120	1434	46	7	1797	174	
4	Alappuzha	22287	40111	27762	90160				286	232	71	51	163	21	
5	Kottayam	10767	9896	14887	35550				273	1754	38	133	645	401	
6	Idukki	2345	4593	569	7507	6	5	89	4876	35299	34	299	2753	730	
7	Eranakulam	11034	28541	4432	44007		3		1	1133	94	230	1322	1874	
8	Thrissur	9847	34788	20401	65036			18	1	1006	143	14	221	206	
9	Palakkad	100669	151829	17605	270103	919	408	382	1012	1447	325	3198	8651	2856	2081
10	Malappuram	10514	17094	5515	33123	1				1114	91	132	288	459	
11	Kozhikode	397	4745	950	6092				1	1313	68	77	536	1046	
12	Wayanad		23115	7607	30722		1		3	9828	53	253	23385	996	
13	Kannur	8733	8522	120	17375				3	3139	100	354	697	570	
14	Kasaragod	6592	5146	404	12142	2			2	1957	73	83	266	86	
State Total		191241	346763	103571	641575	929	417	489	6582	64264	1364	5211	42496	9980	2081

(Table - 4 Contd.....)

**TABLE - 4
PRODUCTION OF IMPORTANT CROPS 2006-07**

(Production in Tonnes)

Sl. No.	District	Arecanut	Tamarind	Mango	Jack (Million Nos.)	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	789	4054	22624	28	15135	57033	2805	418332	261	8284	2206		603
2	Kollam	1699	1657	36377	31	11776	33527	2907	596629	154	1355	3032	31	512
3	Pathanamthitta	1003	553	13172	13	21447	22428	2366	246963	55	3075	577		109
4	Alappuzha	671	908	21253	6	4310	15552	523	66790	72	5303	396	72	360
5	Kottayam	1455	1000	16800	20	23982	31265	4682	192110	32	8827	567		202
6	Idukki	5041	684	26470	33	14654	31079	11614	230842	173	1723	522	3	99
7	Eranakulam	5020	860	18798	18	59908	35416	70045	223441	116	5697	546	35	376
8	Thrissur	5390	1772	33830	17	26430	38061	1379	43096	55	7010	1757	1	608
9	Palakkad	5766	7597	91363	30	80246	82285	881	97180	803	9813	3343	13	420
10	Malappuram	16001	2898	40747	35	69787	23680	1282	191559	1518	10784	1558	137	859
11	Kozhikode	12020	1880	28088	30	15417	16504	1443	45263	297	2786	862		824
12	Wayanad	5617	325	18237	30	88065	11651	208	94326	188	2748	479	1	47
13	Kannur	14207	1355	60641	31	25124	18346	1300	60190	455	8528	1897		640
14	Kasaragod	35289	645	17023	11	7485	18809	1014	12278	2226	4558	693	1	395
State Total		109968	26188	445423	333	463766	435636	102449	2518999	6405	80491	18435	294	6054

(Table - 4 Contd....)

**TABLE - 4
PRODUCTION OF IMPORTANT CROPS 2006-07**

(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		27		213		48090	36		582	1433	2	
2	Kollam		34		227		62660	8		2424	2365	2	
3	Pathanamthitta		224				73975	257	8	458	1141	3	
4	Alappuzha		54				7370	80		978	1880	1	
5	Kottayam		747		39	1105	169910	725	19	226	487	7	
6	Idukki		965		36229	7045	56915	3339	7894	542	45	36	3757
7	Eranakulam		6070				90590	729		438	1180	2	
8	Thrissur		2630		1922		26125	17		960	2235	7	
9	Palakkad	1690	166		2124	2325	53390	46	260	1980	44	1	
10	Malappuram		104				54920	60	3	5054	31089	1	
11	Kozhikode		188				31725	359	1	1478	2185	3	
12	Wayanad		15		12905	49000	8710	27	359	877	8	4	
13	Kannur		108				61040	76		30786	473	1	
14	Kasaragod		29	50			34985	24	1	14897	772	3	
State Total		1690	11361	50	53659	59475	780405	5783	8545	61680	45337	73	3757

Source:

- * Tea Board
- ** Coffee Board

- # Spices Board
- ## Rubber Board

TABLE - 5
ESTIMATED AREA AND PRODUCTION OF RICE - AUTUMN 2006-07

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	363	818	937	2604	1300	3422	103	180			103	180	1403	3602
2	Kollam	1	3	1612	3897	1613	3900			2	4	2	4	1615	3904
3	Pathanamthitta	3	8	227	542	230	550							230	550
4	Alappuzha	6803	21201	548	889	7351	22090			243	197	243	197	7594	22287
5	Kottayam	4020	10479	107	249	4127	10728	8	10	14	29	22	39	4149	10767
6	Idukki	536	1512	304	802	840	2314			11	31	11	31	851	2345
7	Eranakulam	3192	6253	1616	3403	4808	9656			932	1378	932	1378	5740	11034
8	Thrissur	63	163	4931	8954	4994	9117			395	730	395	730	5389	9847
9	Palakkad	431	1020	41656	96800	42087	97820	1	2	2355	2847	2356	2849	44443	100669
10	Malappuram	294	746	2352	5262	2646	6008	10	21	2126	4485	2136	4506	4782	10514
11	Kozhikode			187	307	187	307			108	90	108	90	295	397
12	Wayanad														
13	Kannur			3799	7356	3799	7356			803	1377	803	1377	4602	8733
14	Kasaragod			2121	5365	2121	5365			645	1227	645	1227	2766	6592
	State	15706	42203	60397	136430	76103	178633	122	213	7634	12395	7756	12608	83859	191241

TABLE - 6
ESTIMATED AREA AND PRODUCTION OF RICE - WINTER 2006-07

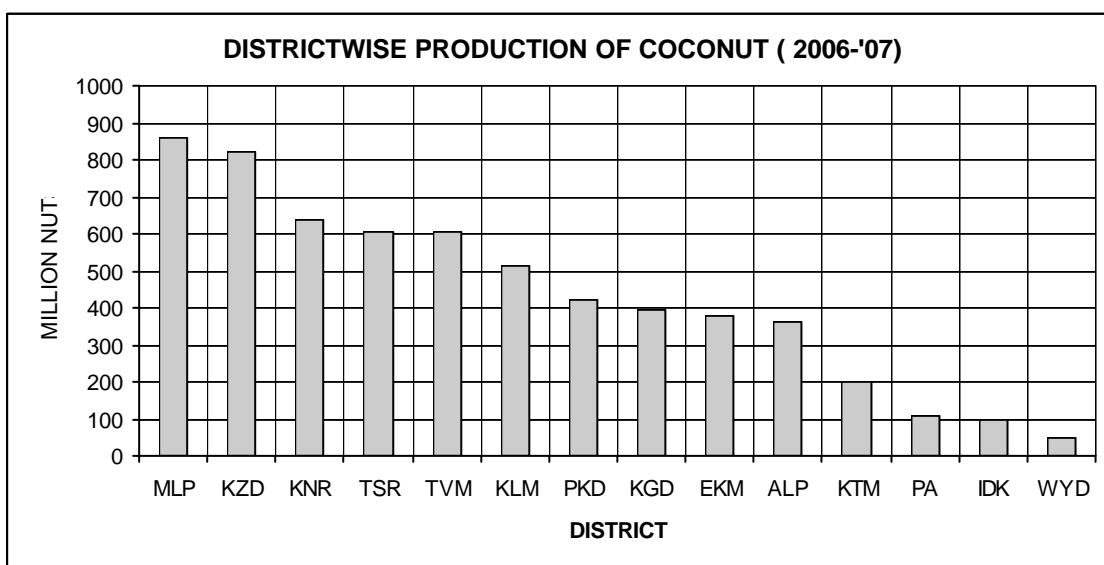
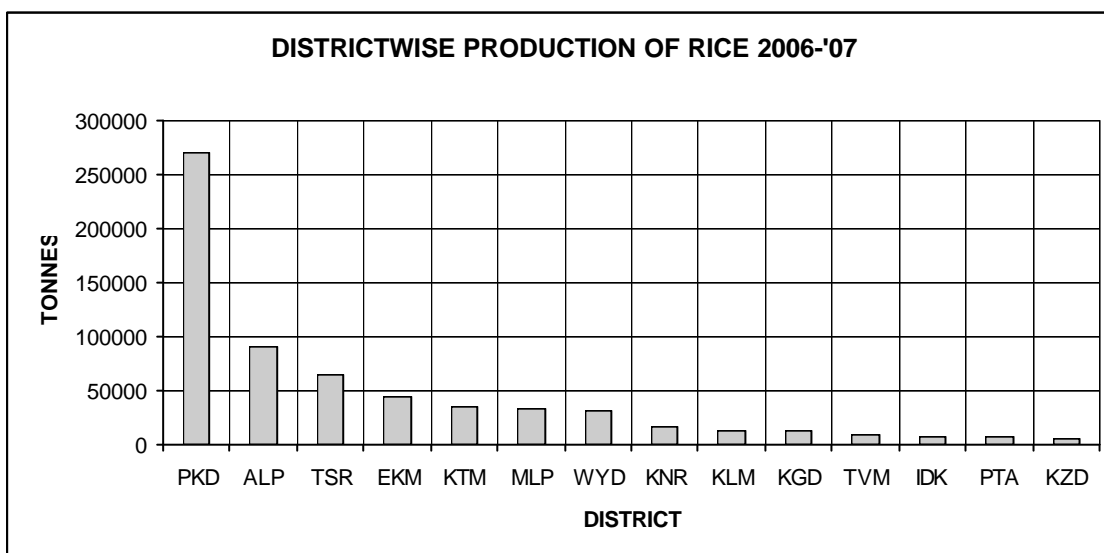
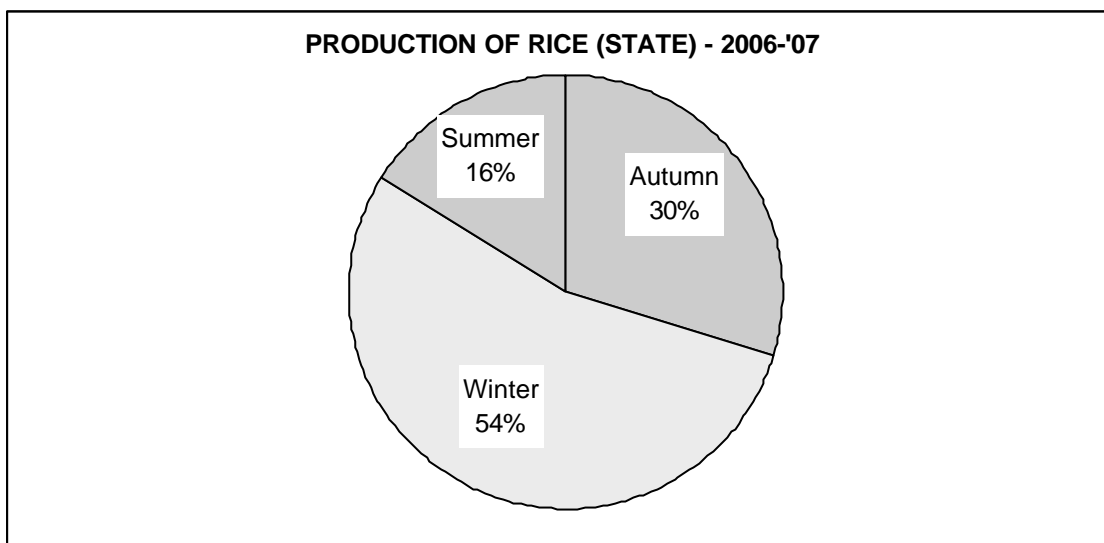
Area in hectare & Production in tonnes

Sl. No.	District	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	2371	6285			2371	6285	2	3			2	3	2373	6288
2	Kollam	529	1197	1461	3462	1990	4659	190	365	1699	3648	1889	4013	3879	8672
3	Pathanamthitta	870	2101	37	98	907	2199	527	1224			527	1224	1434	3423
4	Alappuzha	13280	39840	28	31	13308	39871	62	115	326	125	388	240	13696	40111
5	Kottayam	4127	9797	1	3	4128	9800	64	96			64	96	4192	9896
6	Idukki	1361	3358	99	291	1460	3649	350	944			350	944	1810	4593
7	Eranakulam	13362	27954	28	42	13390	27996	271	490	39	55	310	545	13700	28541
8	Thrissur	10204	24608	248	481	10452	25089	5514	9575	62	124	5576	9699	16028	34788
9	Palakkad	44440	125771	4138	8117	48578	133888	5917	10543	4180	7398	10097	17941	58675	151829
10	Malappuram	3068	7132	1541	3347	4609	10479	2038	3516	2085	3099	4123	6615	8732	17094
11	Kozhikode	186	394	534	887	720	1281	171	218	2538	3246	2709	3464	3429	4745
12	Wayanad	5085	13471	2024	5445	7109	18916	1278	2527	878	1672	2156	4199	9265	23115
13	Kannur	2368	5574			2368	5574	1580	2551	194	397	1774	2948	4142	8522
14	Kasaragod	1167	2826	18	53	1185	2879	1072	2078	112	189	1184	2267	2369	5146
State		102418	270308	10157	22257	112575	292565	19036	34245	12113	19953	31149	54198	143724	346763

TABLE - 7
ESTIMATED AREA AND PRODUCTION OF RICE - SUMMER 2006-07

Area in hectare & Production in tonnes

Sl. No.	Name of District	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			
1	Thiruvananthapuram	73	187			73	187							73	187	
2	Kollam	3	4			3	4							3	4	
3	Pathanamthitta	952	3128			952	3128							952	3128	
4	Alappuzha	9762	27759	7	3	9769	27762							9769	27762	
5	Kottayam	5463	14879			5463	14879	10	8				10	8	5473	14887
6	Idukki	127	348	4	9	131	357	85	212				85	212	216	569
7	Eranakulam	2439	4404			2439	4405	16	27				16	27	2455	4432
8	Thrissur	5884	20377			5884	20377	10	24				10	24	5894	20401
9	Palakkad	6073	17585			6073	17585	17	20				17	20	6090	17605
10	Malappuram	1548	5449	3	4	1551	5452	42	59	2	4	42	63	1593	5515	
11	Kozhikode	399	696	98	164	497	860	58	72	17	18	58	90	555	950	
12	Wayanad	2509	7465	29	79	2538	7544	29	63				29	63	2567	7607
13	Kannur	47	64			47	64	52	56				52	56	99	120
14	Kasaragod	110	259			110	259	78	145				78	145	188	404
State		35389	102604	141	259	35530	102863	397	686	19	22	397	708	35927	103571	



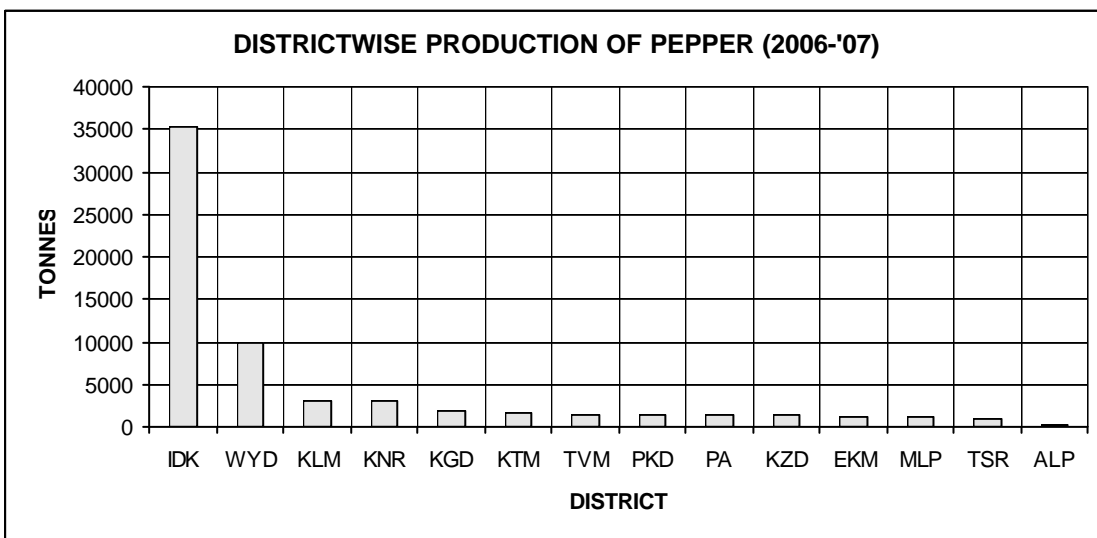
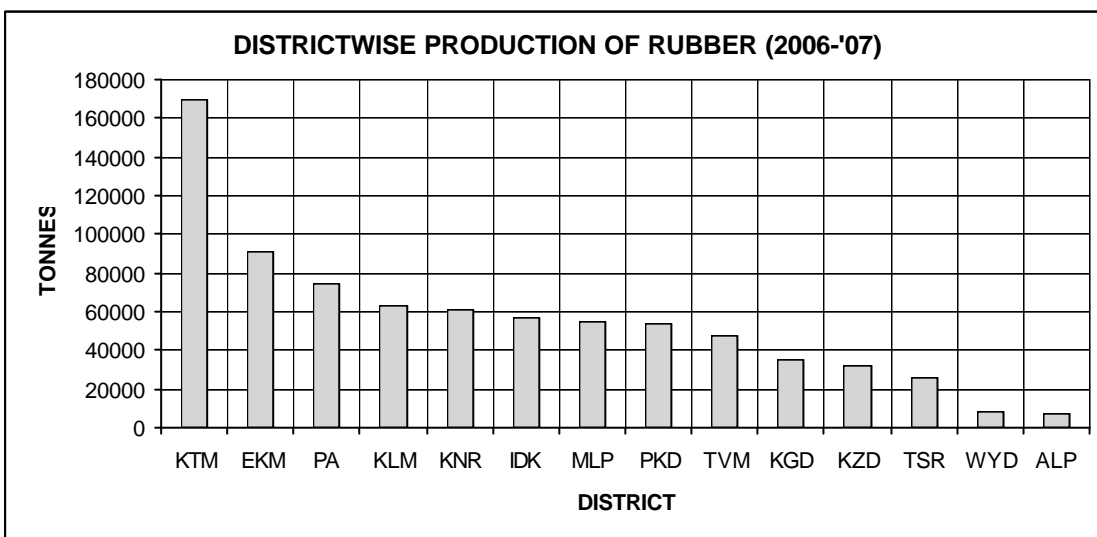
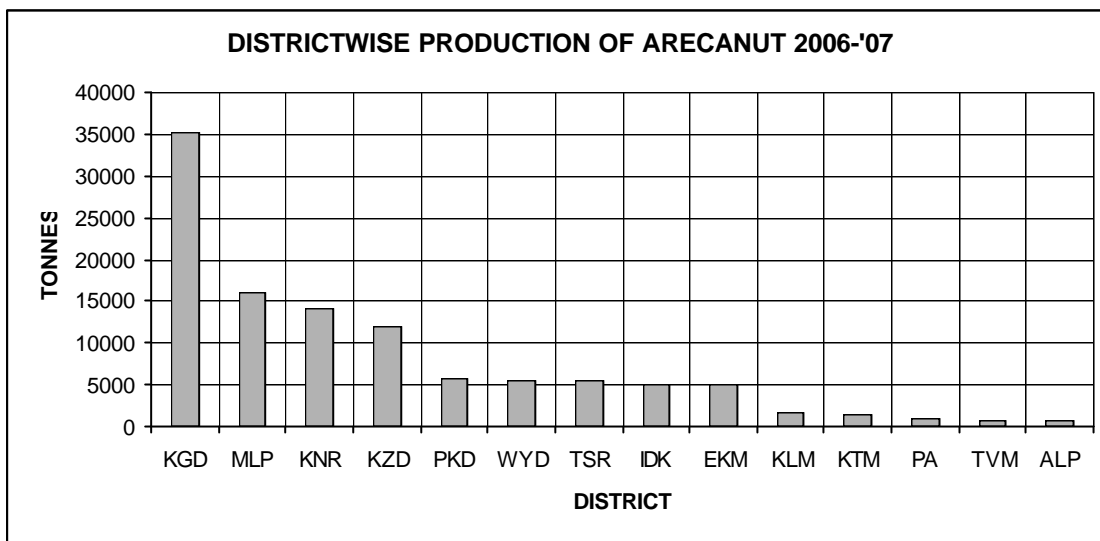
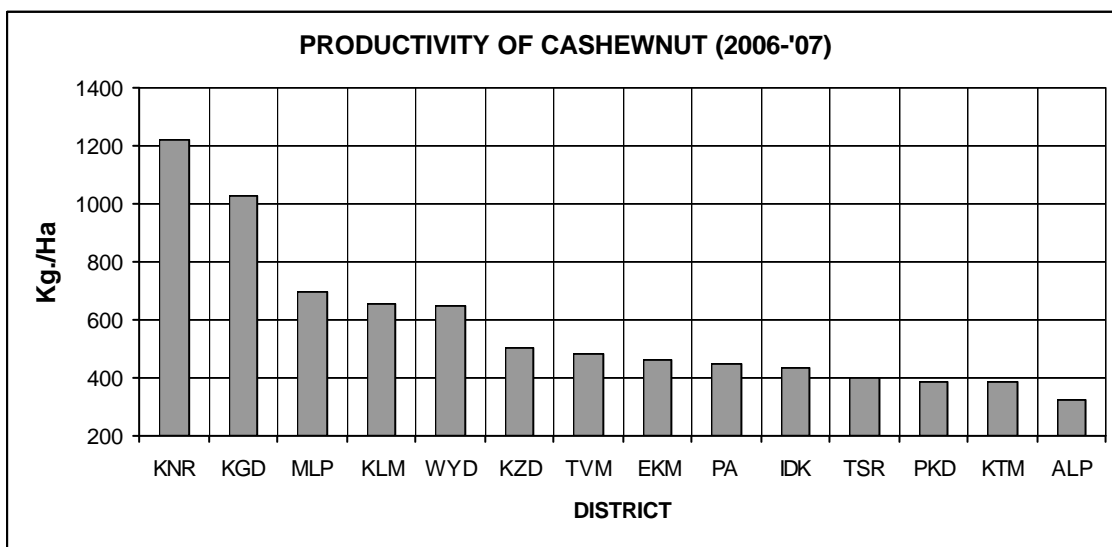
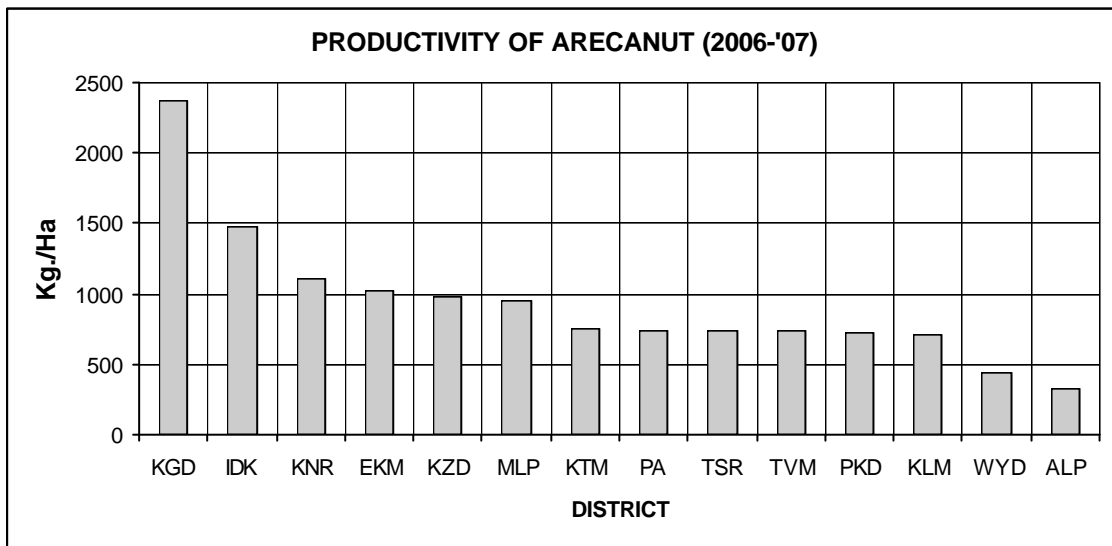
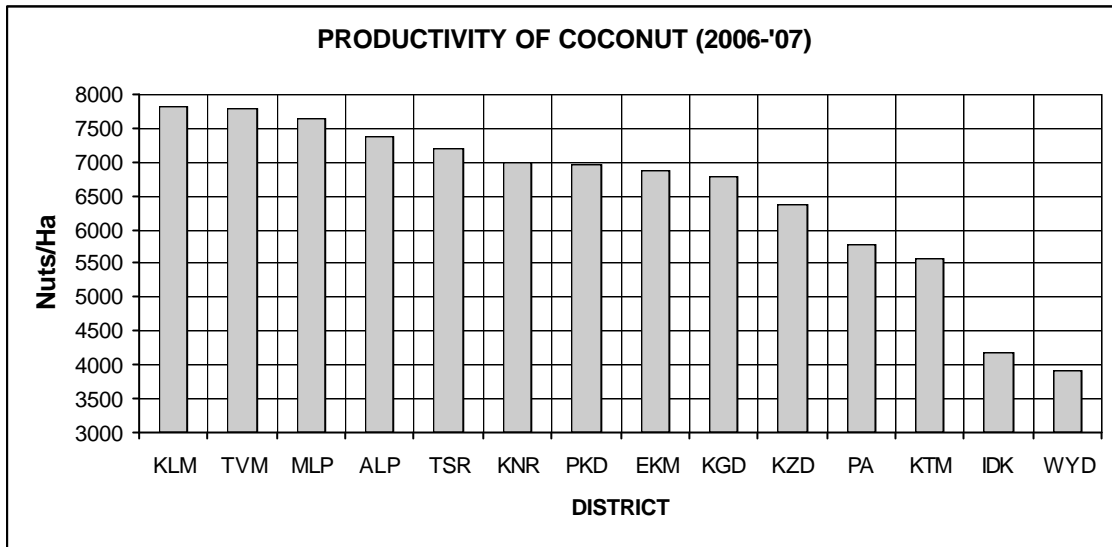


TABLE - 8
ESTIMATED PRODUCTIVITY OF CROPS 2006-07

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	2567	2650	2562	7784	735	23084	486	230	1645	6706	10568	5085	429		
2	Kollam	2417	2236	1333	7830	709	27289	655	290	1763	6143	7799	4674	444	596	
3	Pathanamthitta	2391	2387	3286	5785	745	35280	447	292	1484	8252	10274	5082	452		
4	Alappuzha	2935	2929	2842	7388	332	25071	327	124	1813	7171	6543	2543	386	375	
5	Kottayam	2595	2361	2720	5579	750	32517	384	168	1519	9094	8563	4454	517		
6	Idukki	2756	2538	2622	4183	1476	32326	437	422	1460	7435	9187	3387	630	429	
7	Eranakulam	1922	2083	1805	6873	1023	36528	462	171	1574	8739	8298	4699	492	515	
8	Thrissur	1827	2170	3461	7199	740	29640	397	179	1804	8869	6615	3861	230	143	
9	Palakkad	2265	2588	2891	6979	720	26676	389	173	1615	7290	9566	4515	535	133	
10	Malappuram	2199	1958	3458	7653	947	31673	697	121	1601	7713	7458	3994	472	452	
11	Kozhikode	1346	1384	1664	6368	974	23058	501	123	1680	8201	5871	3032	434		
12	Wayanad		2495	2963	3906	441	36279	650	269	1077	7410	6794	2415	184	333	
13	Kannur	1898	2057	1224	7003	1109	28635	1222	208	1536	9210	5982	3595	249		
14	Kasaragod	2383	2172	2149	6783	2367	24410	1026	294	1314	9621	7792	4423	293	1000	
	State	2281	2413	2881	6935	1077	28911	875	297	1554	7841	8205	3769	540	402	



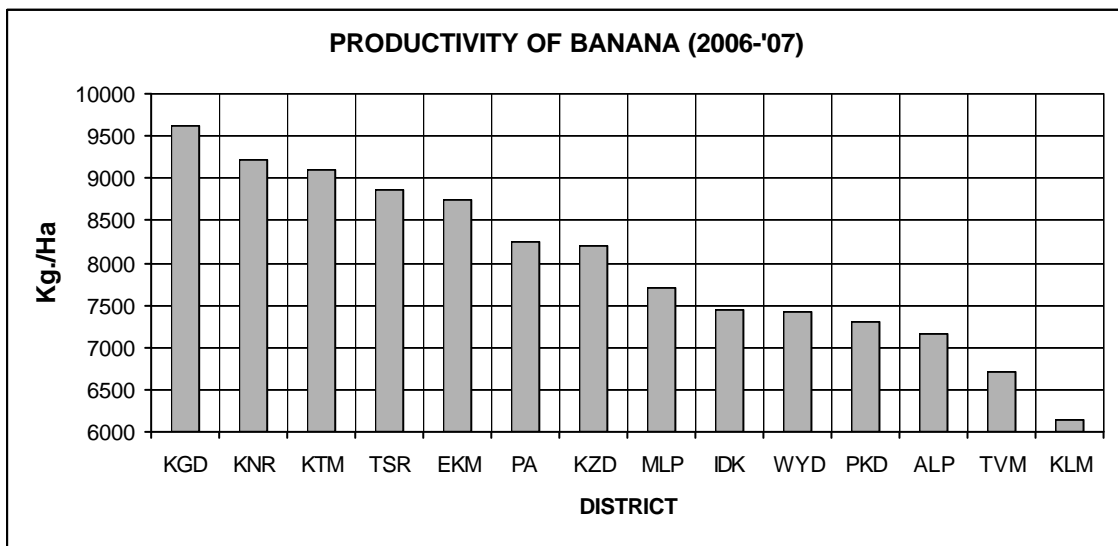
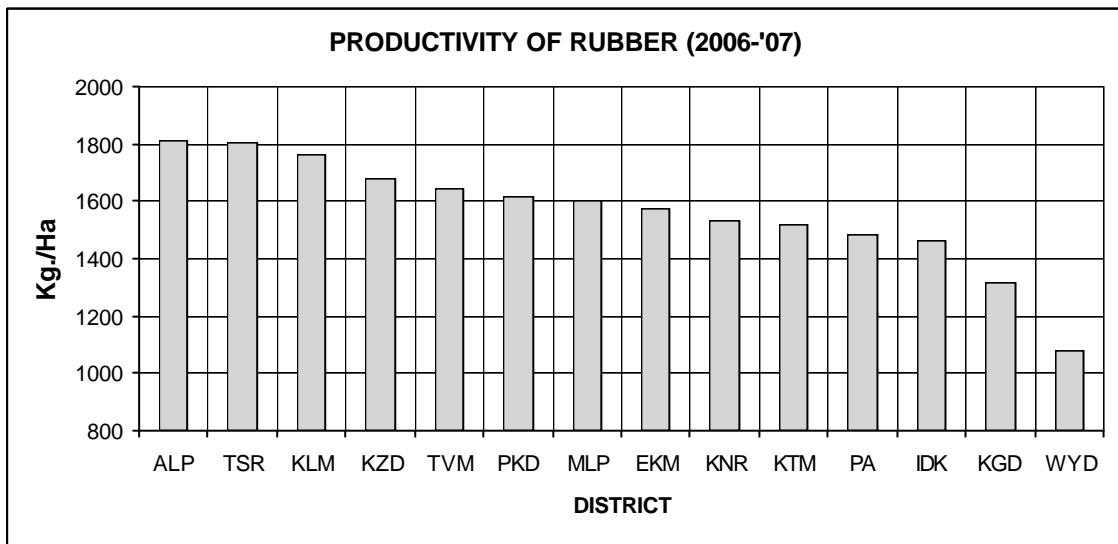
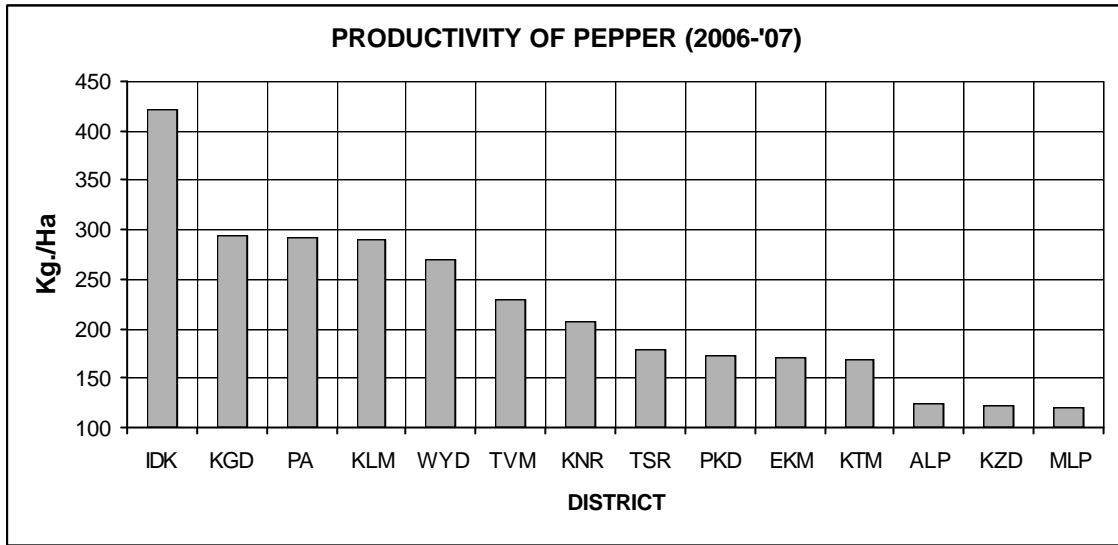
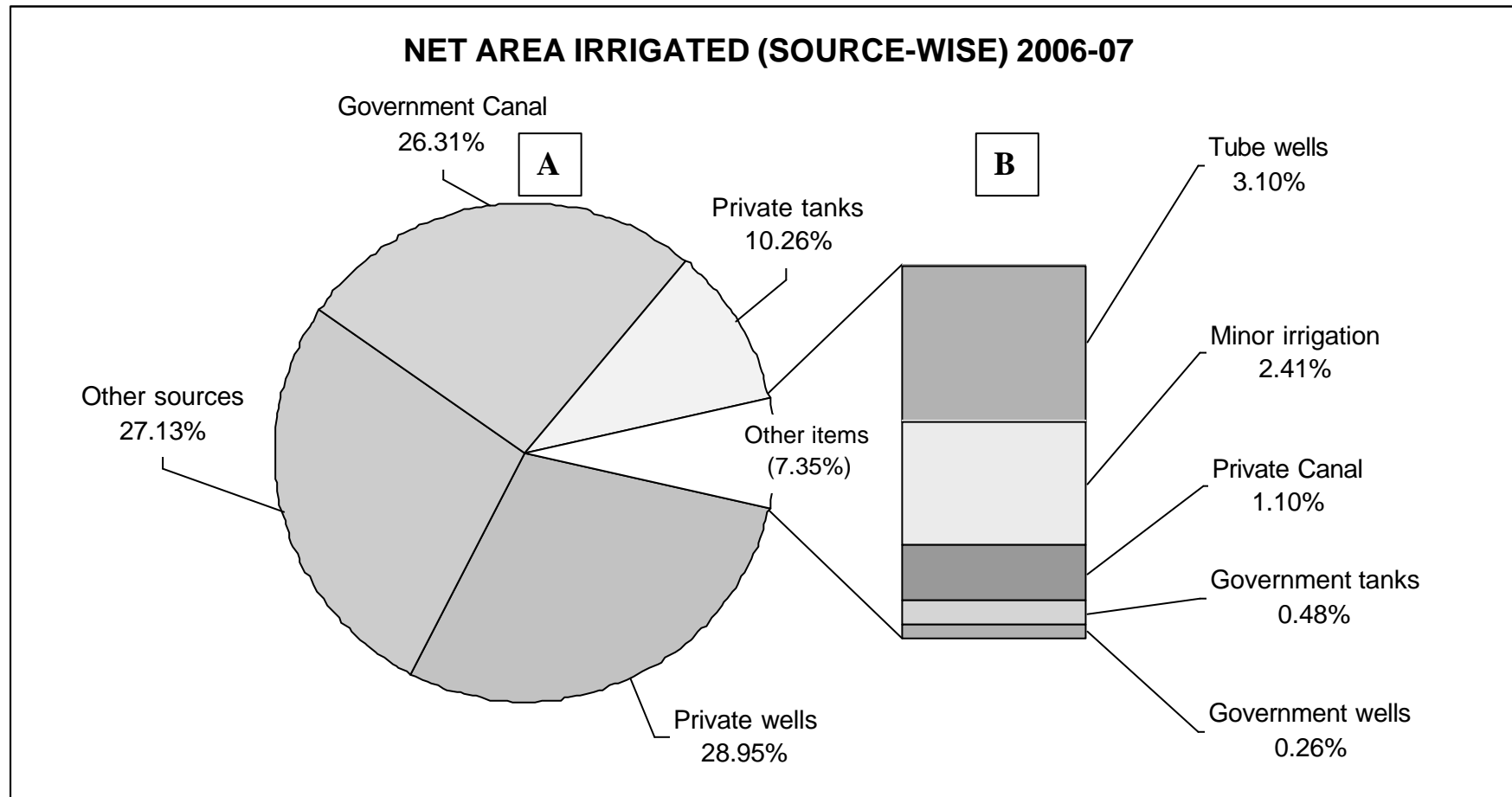


TABLE - 9
NET AREA IRRIGATED (SOURCE-WISE) 2006-07

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	2842	231	309	79	3	813	19	404	2	4702
2	Kollam	351	100	12	245	3	1715	7	564	3	3000
3	Pathanamthitta	1912	23	8	88	8	1928	104	1809	2	5882
4	Alappuzha	5278	71	11	5062	5	2509	17	22593	4091	39637
5	Kottayam	559	6		119	2	1087	65	12732	2	14572
6	Idukki	2483	558	21	5594	27	1705	43	5467	12	15910
7	Eranakulam	19512	70	268	2078	589	9079	3483	5225	356	40660
8	Thrissur	23819	147	399	6206	199	36384	3110	11029	999	82292
9	Palakkad	42159	595	184	4029	21	16008	1155	13712	1481	79344
10	Malappuram	972	550	473	2443	36	7125	614	7482	4619	24314
11	Kozhikode	1209	28	10	237	8	1969	81	1535	240	5317
12	Wayanad	702	511	45	119	6	77	416	9049	41	10966
13	Kannur	1169	709	59	1885	31	9661	101	6914	11	20540
14	Kasaragod	103	701	81	12000	67	23412	219	7787	305	44675
State		103070	4300	1880	40184	1005	113472	9434	106302	12164	391811



Note: Diagram B shows the classification of other items in diagram A

TABLE - 10
GROSS AREA UNDER IRRIGATION (CROP-WISE) 2006-07

Area in Hectares													
Sl. 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	2912	521	986	5099	54	41	56	57	2206	26		945
2	Kollam	723	275	986	1476	56	49	71	25	1005	39		706
3	Pathanamthitta	2352	840	1215	1906	91	41	514	129	1708	61	36	1131
4	Alappuzha	29907	954	1139	11362	47	23	180	643	548	38	47	543
5	Kottayam	13692	45	1912	500	27	71	958	276	865	8	67	1252
6	Idukki	2459		3658	403	46	62	281	160	704	1	781	3132
7	Eranakulam	19280	8	2236	16368	1987	1	3938	544	5070	23		876
8	Thrissur	21675	44	1169	48749	6087	82	3309	74	2900	17		339
9	Palakkad	56879	760	5074	25985	3307	11	47	1217	8296	3	222	5316
10	Malappuram	7000	1049	2296	14254	4682	15	270	82	7245	350		479
11	Kozhikode	814	88	724	5029	592	61	18	175	1292	18		1144
12	Wayanad	8901	15	843	203	349	37	60	274	5762	1		488
13	Kannur	4047	457	1344	16834	3588	23	198	497	2556	8	1	767
14	Kasaragod	2427	102	852	29566	13712	40	70	159	695	20	2	434
State		173068	5158	24434	177734	34625	557	9970	4312	40852	613	1156	17552

TABLE-11
RAINFALL DISTRIBUTION OF KERALA FOR THE YEAR 2006-07

Sl. No.	Districts	2006						2007						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	190.2	122.6	473.9	521.4	296.7	13.9	0.3	1.7	3.7	214.3	167.2	348.7	2354.6	1923.2	22.4
2	Kollam	377.3	254.3	382.9	575.1	306.2	5.2	0.0	11.7	39.7	185.9	161.3	499.0	2798.6	2494.8	12.2
3	Pathanamthitta	476.0	271.3	320.9	480.4	253.7	0.0	0.0	10.0	24.5	313.0	156.8	632.8	2939.4	2839.5	3.5
4	Alappuzha	442.6	332.4	400.2	450.8	268.1	6.0	0.0	30.5	2.2	146.2	284.2	597.3	2960.5	2999.2	-1.3
5	Kottayam	605.1	407.8	453.3	509.8	367.8	2.6	0.0	24.0	6.0	268.1	250.0	637.2	3531.7	3207.9	10.1
6	Idukki	856.5	467.2	504.8	435.0	230.5	0.0	1.0	8.3	9.6	254.3	179.8	896.6	3843.6	3769.2	2.0
7	Eranakulam	583.9	498.4	505.6	478.4	394.5	3.1	1.9	1.4	9.2	147.5	193.5	815.0	3632.4	3577.8	1.5
8	Thrissur	553.6	516.6	508.9	371.6	176.5	0.7	0.0	0.0	0.0	106.0	240.8	783.2	3257.9	3073.6	6.0
9	Palakkad	457.7	348.4	414.2	244.8	148.0	0.0	1.2	0.2	0.0	101.4	158.9	625.4	2500.2	2472.1	1.1
10	Malappuram	546.3	407.9	617.0	332.9	198.9	0.0	0.1	0.0	9.5	55.0	192.1	695.1	3054.8	2850.2	7.2
11	Kozhikode	629.5	506.8	656.4	295.6	97.4	0.0	0.0	0.1	4.1	137.5	424.8	952.7	3704.9	3671.4	0.9
12	Wayanad	691.2	382.4	314.6	133.0	118.9	0.0	0.3	9.5	1.3	124.6	113.8	501.1	2390.7	3408.9	-29.9
13	Kannur	674.7	491.2	569.9	266.8	97.5	2.3	0.1	0.2	0.0	65.6	213.7	949.8	3331.8	3373.5	-1.2
14	Kasaragod	624.1	428.0	533.5	220.2	109.8	0.0	0.0	0.0	0.0	6.4	199.3	1268.3	3389.6	3613.4	-6.2
	State (Average)*	569.5	396.4	481.1	374.9	212.9	1.9	0.4	5.7	8.0	153.7	202.7	737.4	3144.6	3097.1	1.5

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

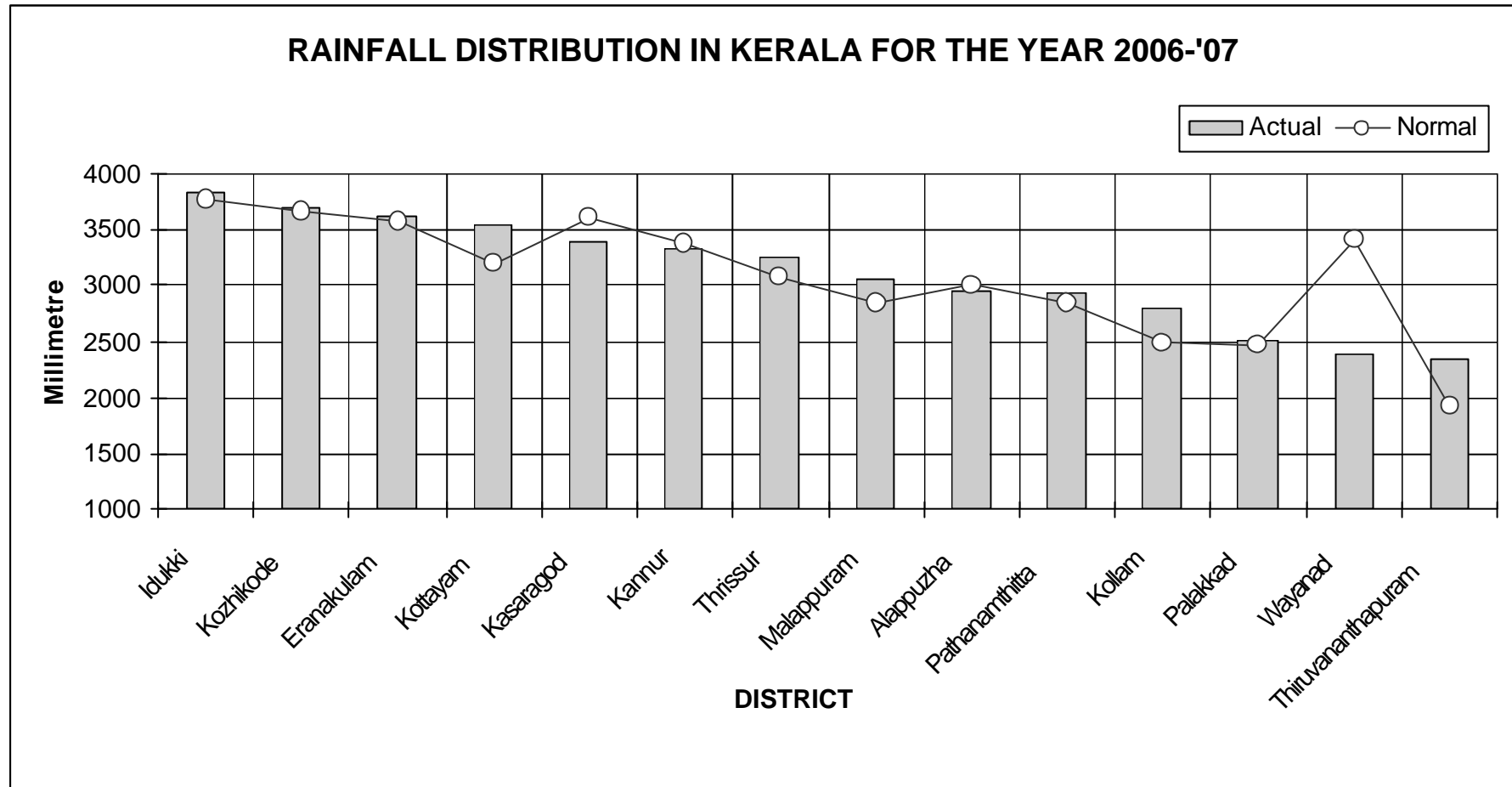


TABLE-12
AVERAGE FARM WHOLESALE PRICES OF IMPORTANT CROPS IN KERALA FOR THE YEAR 2006-07

In Rupees

Sl. No.	Item	Unit	2006						2007					
			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	Qtl.	633	642	660	679	682	694	695	696	707	706	701	685
2	Pepper	Qtl.	7836	9144	10936	10290	9618	8942	10461	10867	11172	13265	13154	13082
3	Ginger (Dry)	Qtl.	4038	4400	4628	4786	4714	4429	3919	3707	3842	4046	3853	3537
4	Ginger	Qtl.	1298	1360	1252	1126	1183	1035	751	831	972	1105	1152	1408
5	Turmeric	Qtl.	3642	3510	3350	3331	3379	3330	3167	3090	2773	2378	2147	2012
6	Banana	Qtl.	1563	1620	1318	1229	1165	1187	1277	1284	1269	1292	1343	1457
7	Plantain	Qtl.	685	801	830	826	701	673	682	680	659	644	645	679
8	Cashew	Qtl.	1733	1750					3275	3355	3268	2933	2120	1278
9	Tapioca	Qtl.	444	451	456	464	470	475	472	476	480	484	486	478
10	Mango (Raw)	Qtl.	643	925	1150		1500	1350	1455	1124	851	675	636	705
11	Coconut with Husk	100 nos.	437	446	459	482	496	508	515	499	478	460	454	446
12	Arecanut	100 nos.	66	60	53	48	44	44	43	45	49	54	59	61

TABLE - 13

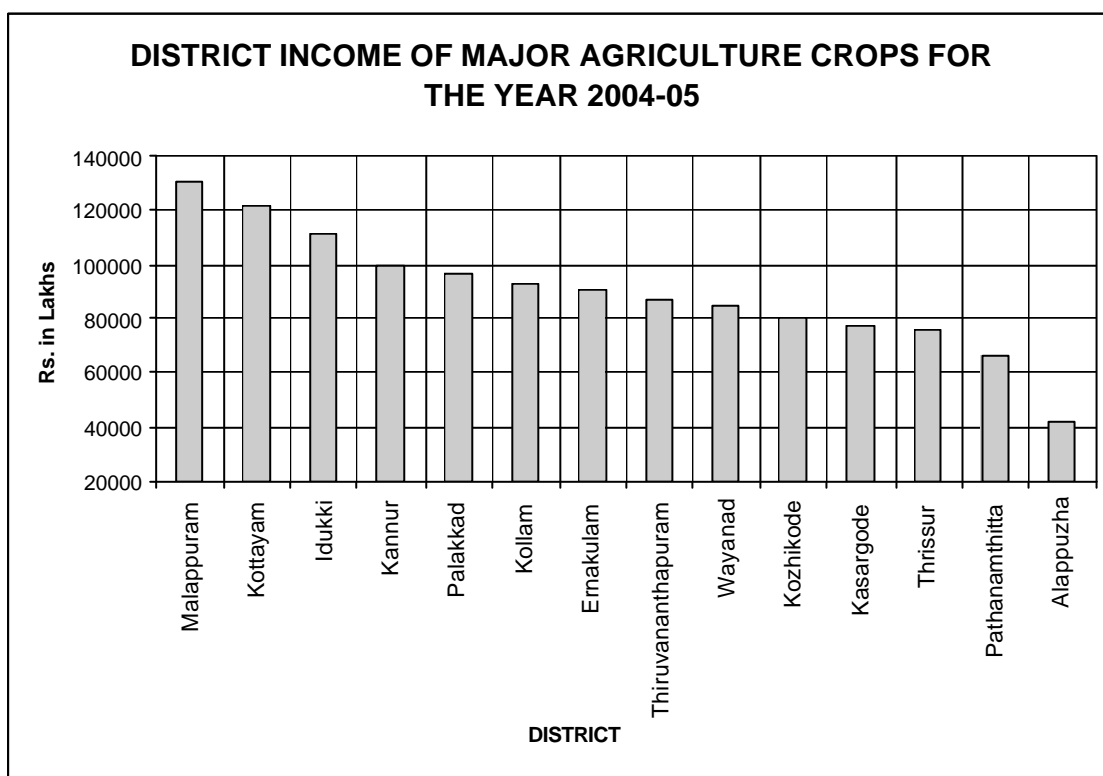
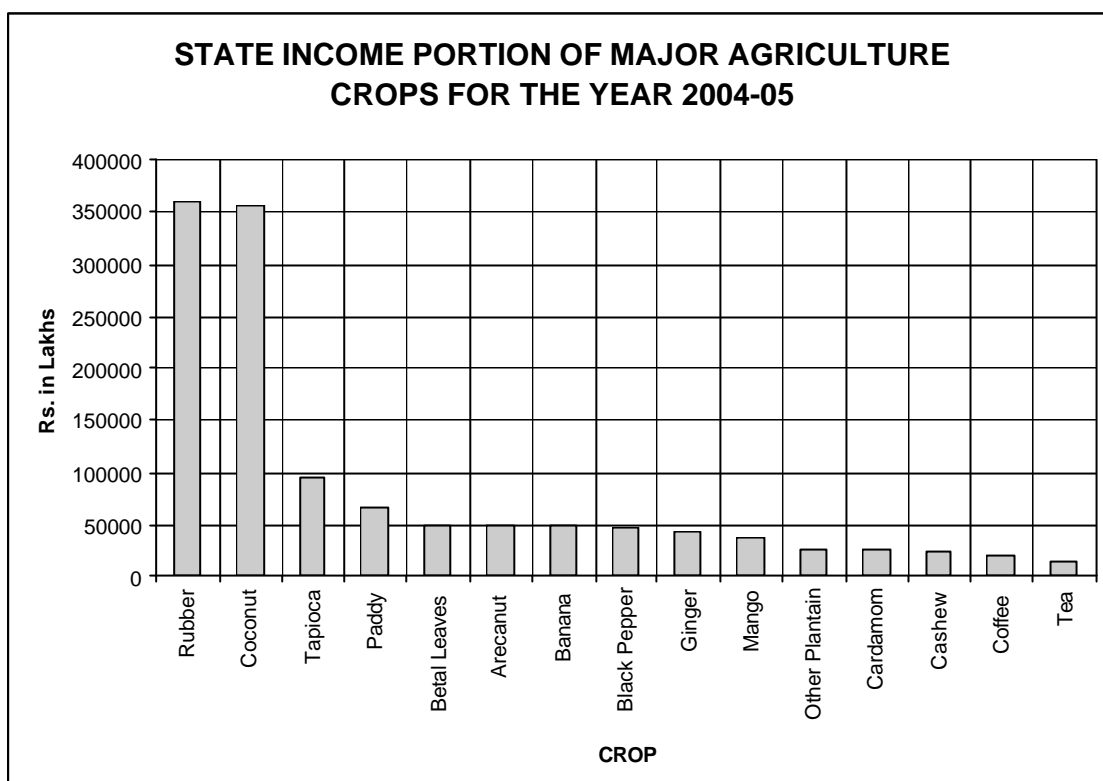
COST OF CULTIVATION PER HECTARE OF SOME CROPS DURING THE YEAR 2005-06

Sl. No	Component of different crops	Cost per Hectare (Rs.)									
		Paddy			Coconut	Areca nut	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 2004-05

Unit Rs. In lakhs

Sl. No.	District	Paddy	Coconut	Rubber	Black Pepper	Tapioca	Cardamom	Banana	Other Plantain	Ginger	Mango	Cashew	Betal Leaves	Tea	Coffee	Arecanut	Total
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Thiruvananthapuram	1226	35169	19588	1091	18668		2061	3317	197	3497	276	1691	33		349	87163
2	Kollam	1870	31329	27453	2262	21157		1354	2137	1086	1524	1172	680	76		481	92581
3	Pathanamthitta	1123	8340	36140	805	9250	227	2111	1874	1096	923	230	4227			420	66766
4	Alappuzha	7989	20710	2988	113	3451		421	1244	166	1810	294	2198			347	41731
5	Kottayam	3365	13873	85362	1250	7278	69	3753	2125	613	1482	82	1747	75		434	121508
6	Idukki	801	6746	27048	23876	8878	22732	1228	1791	3427	1087	233	282	8956	2195	1740	111020
7	Ernakulam	5501	21307	42457	617	5206		5592	1827	833	1492	193	3832			1466	90323
8	Thrissur	8405	38472	11851	680	1943		2365	1942	170	3541	674	1691	562		3565	75861
9	Palakkad	25257	19109	22605	593	3600	635	8726	3104	3060	5024	889	226	593	791	3009	97221
10	Malappuram	3712	46473	22195	682	5793	8	7444	2481	246	3454	1505	30831			5923	130747
11	Kozhikode	731	48114	13594	1146	2855		2019	1448	320	2417	724	1239			5539	80146
12	Wayanad	2631	2638	3503	9325	3032	1158	8759	747	29768		285		3825	17320	1972	84963
13	Kannur	1760	34574	29008	2793	3267		2330	1115	531	8267	9471	113			6874	100103
14	Kasarode	1122	28278	16549	1195	833	3	756	1427	318	1937	7040	900			17033	77391
	STATE	65493	355132	360341	46428	95211	24832	48919	26579	41831	36455	23068	49657	14120	20306	49152	1257524



ANNEXURE - 1

CROP ESTIMATION SURVEYS : THE FINAL ESTIMATION OF YIELD AND PRODUCTION OF RICE 2006-'07 (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	345	345	2.568	1.403	2568	3.602	Not Applied	96.760	3.77
2	Kollam	402	402	2.417	1.615	2417	3.904		41.710	1.73
3	Pathanamthitta	117	117	2.391	0.230	2391	0.550		54.330	2.27
4	Alappuzha	296	296	2.935	7.594	2935	22.287		164.800	5.61
5	Kottayam	218	218	2.595	4.149	2595	10.767		72.140	2.78
6	Idukki	123	123	2.755	0.851	2755	2.345		83.120	3.02
7	Ernakulam	489	489	1.922	5.740	1922	11.034		41.240	2.15
8	Thrissur	438	438	1.827	5.389	1827	9.847		41.690	2.28
9	Palakkad	656	656	2.265	44.443	2265	100.669		50.660	2.24
10	Malappuram	625	625	2.199	4.782	2199	10.514		338.780	15.41
11	Kozhikkode	328	327	1.346	0.295	1346	0.397		68.350	5.08
12	Wayanad	0	0	0.000	0.000	0	0.000		0.000	
13	Kannur	484	484	1.897	4.602	1897	8.733		51.940	2.74
14	Kasaragod	357	357	2.383	2.766	2383	6.592		47.500	1.99
STATE		4878	4877	2.281	83.859	2281	191.241		36.350	1.59

ANNEXURE - 2

FINAL RESULT OF CROP ESTIMATION SURVEY ON DRIAGE RESULTS

Appendix : D5
YEAR: 2006-07

CROP : PADDY

SEASON :AUTUMN

Sl. No	Name of District	No of Driage		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	45	45	11250	10035	0.89
2	Kollam	42	42	10500	9696	0.92
3	Pathanamthitta	18	18	4500	4163	0.93
4	Alappuzha	41	41	10250	9376	0.91
5	Kottayam	27	27	6750	6020	0.89
6	Idukki	58	58	14500	13802	0.95
7	Ernakulam	77	77	19250	17901	0.93
8	Thrissur	54	54	13500	12523	0.93
9	Palakkad	54	54	13500	12538	0.93
10	Malappuram	42	42	10500	9699	0.92
11	Kozhikkode	40	40	10000	9293	0.93
12	Wayanad					
13	Kannur	34	34	8500	7367	0.87
14	Kasaragod	18	18	4500	4085	0.91
	STATE	550	550	137500	126498	0.92

ANNEXURE - 3
DETAILS OF NON-RESPONSE

Appendix (D6)
Year: 2006-07

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	Non availability 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	345	345										
2	Kollam	402	402										
3	Pathanamthitta	117	117										
4	Alappuzha	296	296										
5	Kottayam	218	218										
6	Idukki	123	123										
7	Ernakulam	489	489										
8	Thrissur	438	438										
9	Palakkad	656	656										
10	Malappuram	625	625										
11	Kozhikkode	328	327		1	1							1
12	Wayanad	0	0										
13	Kannur	484	484										
14	Kasaragod	357	357										
	STATE	4878	4877		1	1							1

ANNEXURE - 4

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

Appendix-E2

Crop: Paddy

Season :Autumn

Year: 2006-07

No	Name of District	Seeds		Chemically Mannuared	Other mannured	Not Mannuared	Treated with pesticides	No Pesticides
		Improved	Local					
1	2	3	4	5	6	7	8	9
1	Thiruvananthapuram	333	12	100.00			81.45	18.55
2	Kollam	398	4	99.50	0.25	0.25	50.75	49.25
3	Pathanamthitta	116	1	100.00			83.76	16.24
4	Alappuzha	215	81	82.43	9.80	7.77	80.07	19.93
5	Kottayam	193	25	99.54		0.46	87.61	12.39
6	Idukki	123		96.75	2.44	0.81	43.09	56.91
7	Ernakulam	427	62	83.84	0.41	15.75	70.55	29.45
8	Thrissur	407	31	93.84	3.42	2.74	68.95	31.05
9	Palakkad	550	106	86.28	8.84	4.88	36.74	63.26
10	Malappuram	572	53	85.12	8.96	5.92	59.20	40.80
11	Kozhikkode	192	135	73.39	20.18	6.42	24.16	75.84
12	Wayanad							
13	Kannur	408	76	82.85	15.29	1.86	21.28	78.72
14	Kasaragod	284	73	88.80	9.80	1.40	57.42	42.58
	STATE	4218	659	88.56	6.95	4.49	55.55	44.45

ANNEXURE - 5

CROP ESTIMATION SURVEYS : THE FINAL ESTIMATION OF YIELD AND PRODUCTION OF RICE - 2006-'07 (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	343	343	2.650	2.373	2650	6.288	Not Applied	30.637	1.16
2	Kollam	394	394	2.236	3.879	2236	8.672		21.308	0.95
3	Pathanamthitta	184	184	2.387	1.434	2387	3.423		44.628	1.87
4	Alappuzha	260	260	2.929	13.696	2929	40.111		78.313	2.67
5	Kottayam	267	267	2.361	4.192	2361	9.896		58.247	2.47
6	Idukki	242	242	2.538	1.810	2538	4.593		36.237	1.43
7	Ernakulam	419	418	2.083	13.700	2083	28.541		32.406	1.56
8	Thrissur	527	527	2.170	16.028	2170	34.788		31.961	1.47
9	Palakkad	696	696	2.588	58.675	2588	151.829		34.226	1.32
10	Malappuram	652	651	1.958	8.732	1958	17.094		23.228	1.19
11	Kozhikkode	402	401	1.384	3.429	1384	4.745		25.978	1.88
12	Wayanad	274	274	2.495	9.265	2495	23.115		42.626	1.71
13	Kannur	488	488	2.057	4.142	2057	8.522		31.468	1.53
14	Kasaragod	346	346	2.172	2.369	2172	5.146		36.467	1.68
STATE		5494	5491	2.413	143.724	2413	346.763		16.996	0.70

ANNEXURE - 6

FINAL RESULT OF CROP ESTIMATION SURVEY ON DRIAGE RESULTS

Appendix : D5

CROP : PADDY

SEASON : WINTER

YEAR: 2006-07

Sl. No	Name of District	No of Driage		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	44	44	11000	10150	0.923
2	Kollam	42	42	10500	9694	0.923
3	Pathanamthitta	27	27	6750	6313	0.935
4	Alappuzha	47	47	11750	11067	0.942
5	Kottayam	36	36	9000	8104	0.900
6	Idukki	39	39	9750	9116	0.935
7	Ernakulam	60	60	15000	13936	0.929
8	Thrissur	57	57	14250	13290	0.933
9	Palakkad	57	57	14250	13488	0.947
10	Malappuram	45	45	11250	10508	0.934
11	Kozhikkode	45	45	11250	10263	0.912
12	Wayanad	9	9	2250	2086	0.927
13	Kannur	33	33	8250	7369	0.893
14	Kasaragod	18	18	4500	4177	0.928
STATE		559	559	139750	129561	0.927

ANNEXURE - 7
DETAILS OF NON-RESPONSE

Appendix (D6)
Year: 2006-07

Crop: PADDY

Season :WINTER

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	Non availability 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	343	343										
2	Kollam	394	394										
3	Pathanamthitta	184	184										
4	Alappuzha	260	260										
5	Kottayam	267	267										
6	Idukki	242	242										
7	Ernakulam	419	418		1	1							1
8	Thrissur	527	527										
9	Palakkad	696	696										
10	Malappuram	652	651		1	1							1
11	Kozhikkode	402	401		1	1							1
12	Wayanad	274	274										
13	Kannur	488	488										
14	Kasaragod	346	346										
STATE		5494	5491		3	3							3

ANNEXURE - 8

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

Appendix-E2

Crop: Paddy

Season : Winter

Year: 2006-07

No	Name of District	Seeds		Chemically Mannured	Other mannured	Not Mannured	Treated with pesticides	No Pesticides
		Improved	Local					
1	2	3	4	5	6	7	8	9
1	Thiruvananthapuram	100		97.96	1.75	0.29	97.08	2.92
2	Kollam	50	50	94.42	4.82	0.76	43.40	56.60
3	Pathanamthitta	85	15	97.83	0.54	1.63	79.35	20.65
4	Alappuzha	70	30	79.62	16.15	4.23	78.46	21.54
5	Kottayam	90	10	97.00	1.50	1.50	95.51	4.49
6	Idukki	80	20	92.56	4.55	2.89	75.21	24.79
7	Ernakulam	94	6	96.66	1.19	2.15	89.02	10.98
8	Thrissur	72	28	90.32	3.98	5.69	74.38	25.62
9	Palakkad	77	23	89.48	6.77	3.75	65.99	34.01
10	Malappuram	57	43	88.04	6.13	5.83	73.16	26.84
11	Kozhikkode	21	79	63.43	32.59	3.98	22.39	77.61
12	Wayanad	67	33	81.02	15.69	3.28	40.88	59.12
13	Kannur	60	40	93.44	5.53	1.02	74.18	25.82
14	Kasaragod	70	30	96.82	2.89	0.29	82.08	17.92
	STATE	69	31	89.62	7.41	2.97	69.90	30.10

ANNEXURE - 9

CROP ESTIMATION SURVEYS : THE FINAL ESTIMATION OF YIELD AND PRODUCTION OF RICE - 2006-'07 (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	41	41	2.571	0.073	2571	0.187	Not Applied	321.365	12.500
2	Kollam	3	3	1.405	0.003	1405	0.004		221.915	15.795
3	Pathanamthitta	112	112	3.285	0.952	3285	3.128		162.867	4.958
4	Alappuzha	204	204	2.842	9.770	2842	27.763		116.794	4.110
5	Kottayam	255	255	2.720	5.473	2720	14.887		84.785	3.117
6	Idukki	111	111	2.631	0.217	2631	0.570		83.707	3.182
7	Ernakulam	311	311	1.805	2.455	1805	4.432		46.272	2.564
8	Thrissur	354	354	3.461	5.894	3461	20.401		101.879	2.944
9	Palakkad	218	218	2.891	6.090	2891	17.605		219.355	7.588
10	Malappuram	271	271	3.457	1.595	3457	5.515		111.957	3.239
11	Kozhikkode	255	255	1.663	0.571	1663	0.950		96.487	5.802
12	Wayanad	264	264	2.963	2.567	2963	7.607		66.962	2.260
13	Kannur	121	121	1.216	0.098	1216	0.120		107.359	8.829
14	Kasaragod	151	151	2.146	0.188	2146	0.404		90.424	4.214
STATE		2671	2671	2.882	35.946	2882	103.572	53.982	1.873	

ANNEXURE - 10

FINAL RESULT OF CROP ESTIMATION SURVEY ON DRIAGE RESULTS

Appendix : D5
YEAR: 2006-07

CROP : PADDY

SEASON :SUMMER

Sl. No	Name of District	No of Driage		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	10	10	2500	2350	0.940
2	Kollam	3	3	750	680	0.907
3	Pathanamthitta	20	20	5000	4658	0.932
4	Alappuzha	30	30	9000	7058	0.784
5	Kottayam	33	33	8250	7463	0.905
6	Idukki	24	24	6000	5666	0.944
7	Ernakulam	51	51	12750	11687	0.917
8	Thrissur	57	57	14250	13253	0.930
9	Palakkad	33	33	8250	7747	0.939
10	Malappuram	27	27	6750	6431	0.953
11	Kozhikkode	39	39	9750	8717	0.894
12	Wayanad	9	9	2250	2108	0.937
13	Kannur	18	18	4500	4050	0.900
14	Kasaragod	15	15	3750	3468	0.925
STATE		369	369	93750	85336	0.910

ANNEXURE - 11
DETAILS OF NON-RESPONSE

Appendix (D6)
Year: 2006-07

Crop: PADDY

Season :SUMMER

No	Name of District	No. of Experiments		Experiments not conducted due			Experiment rejected due to					Grand Total	
		Planned	Analysed	Prior harvest of the cultivator	Other Reasons	Total	Non availability 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	41	41										
2	Kollam	3	3										
3	Pathanamthitta	112	112										
4	Alappuzha	204	204										
5	Kottayam	255	255										
6	Idukki	111	111										
7	Ernakulam	311	311										
8	Thrissur	354	354										
9	Palakkad	218	218										
10	Malappuram	271	271										
11	Kozhikkode	255	255										
12	Wayanad	264	264										
13	Kannur	121	121										
14	Kasaragod	151	151										
	STATE	2671	2671										

ANNEXURE - 12

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

Appendix-E2
Year: 2006-07

Crop: Paddy

Season :Summer

No	Name of District	Seeds		Chemically Mannuared	Other mannured	Not Mannuared	Treated with pesticides	No Pesticides
		Improved	Local					
1	2	3	4	5	6	7	8	9
1	Thiruvananthapuram	100		95.12	4.88		100.00	
2	Kollam	100		100.00			100.00	
3	Pathanamthitta	100		100.00			100.00	
4	Alappuzha	100		96.08		3.92	98.04	1.96
5	Kottayam	97.65	2.35	99.61		0.39	100.00	
6	Idukki	80.18	19.82	86.49	7.21	6.30	90.99	9.01
7	Ernakulam	97.75	2.25	99.68	0.32		90.03	9.97
8	Thrissur	98.59	1.41	100.00			100.00	
9	Palakkad	95.87	4.13	94.04	3.21	2.75	83.03	16.97
10	Malappuram	90.77	9.23	98.15	1.85		87.45	12.55
11	Kozhikkode	83.14	16.86	85.49	9.41	5.10	54.12	45.88
12	Wayanad	94.7	5.30	100.00			100.00	
13	Kannur	42.15	57.85	100.00			100.00	
14	Kasaragod	64.24	35.76	100.00			100.00	
STATE		90.45	9.55	96.93	1.72	1.35	91.28	8.72