



Government of Kerala

**Agricultural Statistics
2005– 2006**

**Department of Economics & Statistics
Kerala**

December 2006

INTRODUCTION

This report “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 state. 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 was being implemented by the Department of Economics and Statistics from 1975-76 onwards. Originally the scheme was intended to collect Agricultural Statistics from 20% of the selected villages in each year on a phased manner covering the entire state. EARAS scheme was further revised in 1987-88 with an objective to prepare district level estimates with breakup for Block/Municipality / Corporation. During 1993-94 the Investigator zones were 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 crop and yield rate of the crop are the most important components in the estimation of crop production. The area statistics are collected through the area enumeration survey while the yield rates are obtained through the General Crop Estimation Survey conducted under the scheme EARAS.

Sampling Design

Stratified multistage random sampling method is followed in the survey. The 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 area is divided into three Investigator Zones. Each Municipality with area 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 of five- Survey sub-division as in the basic Tax Register is selected for the survey. These 100 clusters are allocated among the dry land and wetland in proportion to area under these categories in the zone. 100 survey numbers are selected from the basic tax register using circular systematic sampling method. These plots are the key plots for cluster formation.

The Investigators form the cluster by identifying 4 or more survey numbers (Clubbed survey numbers if area of the survey numbers is small), adjacent to the key survey number in a systematic manner. Wet and Dry clusters will be formed and enumerated separately. Wetland clusters will be enumerated in all three seasons – Autumn, Winter and Summer – and dry land plots will be visited two times for enumeration. The area under crops of each season – annual, perennial, horticulture and vegetables etc, land utilization details, irrigation particulars etc will be collected by the Investigators at the time of enumeration. Simultaneously Investigator will select and conduct crop – cutting experiments for all major crops and selected minor crops.

The yield rates generated through the details obtained by conducting scientifically designed crop cutting experiments under crop estimation survey are used for estimation of production and to work out mean yield. This mean yield data is used for deciding the amount of compensation to be paid to the agriculturists under National Agricultural Insurance Scheme (NAIS).

The data collected through Area Enumeration Survey will be compiled, consolidated and used for preparing area estimates at block and district level. By using area estimates and yield rates, production estimates are prepared. The data regarding land utilization are used to estimate thirteen-way classification of land use.

A Brief Analysis Of The Area Of Important Crops For 2005 – 2006

Land utilisation

Out of the total geographical area of 38,86,287 hectares in Kerala, 55% area is used as cultivable land, 28% area under forest and 12 % of area is put under other non-agricultural use. Thus the area used for agricultural purpose is only a little more than half of the total area. In the case of fallow other than current fallow (temporarily out of cultivation for a period of one year and not more than five years) Palakkad occupies first rank in position (9565 hect) Ernakulam and Thrissur come next in rank .The reasons for keeping such lands as fallow may be due to the poverty of cultivators, inadequate supply of water or un-remunerative nature of farming.

Area of important crops

The state is well known for its produces like Rubber, Coconut, Arecanut, Tapioca, Coffee, Cardamom and Tea. Kerala's cropping pattern is characterised by a predominance of perennial crops

Paddy: - The main food crop in Kerala is rice. During 1961-62 nearly 7.53 Lakh hectares were under paddy and during 2005-06 it was only 2.76lakh ha. Thus within 44 years, the state witnessed a decrease of 63% paddy area. The area under paddy during 2005-06 is 21% the total food crop area. Palakkad district occupies the first place paddy cultivated area and followed by Alappuzha district in the state. The paddy fields have been converted for various other crops and for non-agricultural uses. The low profitability in paddy cultivation appears to have contributed to the shifting of paddy land to other crops.

Coconut: - In 1961-62, the area under coconut crop was 5.05lakhs ha in Kerala. The area under coconut crop has increased to 8.98lakhs ha in 2005-06 There is an increase of 78% under the area of coconut over a period of 44 years .In the case of coconut cultivation area, Kozhikode district occupies the first position i.e.14.5% of total coconut area of the state. Second position goes to Malappuram district (12.6%). Pathanamthitta and Wayanad are having the least coconut area (2.3% and 1.3% respectively)

Arecanut: - In 1961-62, the area under Arecanut was 56764 ha. It increased to 108590 ha in 2005-06. Malappuram district occupies first rank in the case of Arecanut cultivation area. Kasaragode (16%) and Kannur (13%) districts occupy the second and third respectively.

Other oilseeds: -There is a decrease in the area under groundnut. In 1961-62, the area under groundnut was 15993 ha. It decreased to 3299 ha in 2005-06. The decrease in area under sesamum crop is observed in all districts. The cultivation of sesamum may not be seen in the state within a few years.

Spices and condiments: -The important spices and condiments are black pepper, ginger, turmeric and cardamom. In 1961-62, the area under ginger crop was 12050 ha. After 44 years, it stands almost the same. Pepper is cultivated extensively in Idukki district.

Plantation crops: -A good portion of the land under tapioca has been transferred into Rubber Estate. The maximum area under rubber is in Kottayam district. It is cultivated extensively in all districts. Kottayam district occupies first position in the case of plantation crops area. Wayanad and Idukki districts stand in the second and third places.

Net area sown	-	2132483 Ha
Net area irrigated	-	401450 Ha
Gross irrigated area	-	460066 Ha
Net area irrigated to net area sown	-	18.83 %
Gross irrigated area to gross cropped area	-	15.41 %
Irrigated paddy area to total paddy area	-	57.90 %
Irrigated coconut area to total coconut area	-	17.80 %
Crop intensity	-	140.00 %



TABLE-1
AREA & PRODUCTION OF IMPORTANT CROPS IN KERALA
FOR THE YEAR 1961-62 & 2005-06

Sl. No.	Crop	Area (Ha)			Production (Tonnes)		
		1961-62	2005-06	% Variation	1961-62	2005-06	% Variation
1	Paddy !!	753009	275742	-63	988150	629987	-36
2	Tapioca	236776	90539	-62	1618713	2568284	59
3	Coconut *	505035	897833	78	3247	6326	95
4	Pepper	99887	237998	138	26550	87605	230
5	Cashew	55051	78285	42	84449	68262	-19
6	Rubber	133133	494400	271	24589	739225	2906
7	Groundnut	15993	3299	-79	13533	2441	-82
8	Sesamum	11953	600	-95	2539	210	-92
9	Cotton #	9587	2655	-72	23751	3452	-85
10	Pulses	43546	10562	-76	16889	7940	-53
11	Ginger	12050	12226	1	11185	56288	403
12	Turmeric	4847	3384	-30	4267	8237	93
13	Banana	42693	61400	44	55443	491823	787
14	Tobacco	704	43	-94	915	69	-92
15	Total Cereals	766381	278617	-64	999566	631591	-37
16	Arecanut *	56764	108590	91	8091	24478	203
17	Coffee	18807	84644	350	8145	60175	639
18	Tea	37426	35043	-6	37428	56384	51

* Production in million nuts

Production in bales of 170 Kg.

!! Production of rice

AREA OF IMPORTANT CROPS IN KERALA FOR THE YEAR 1961-62 & 2005-06

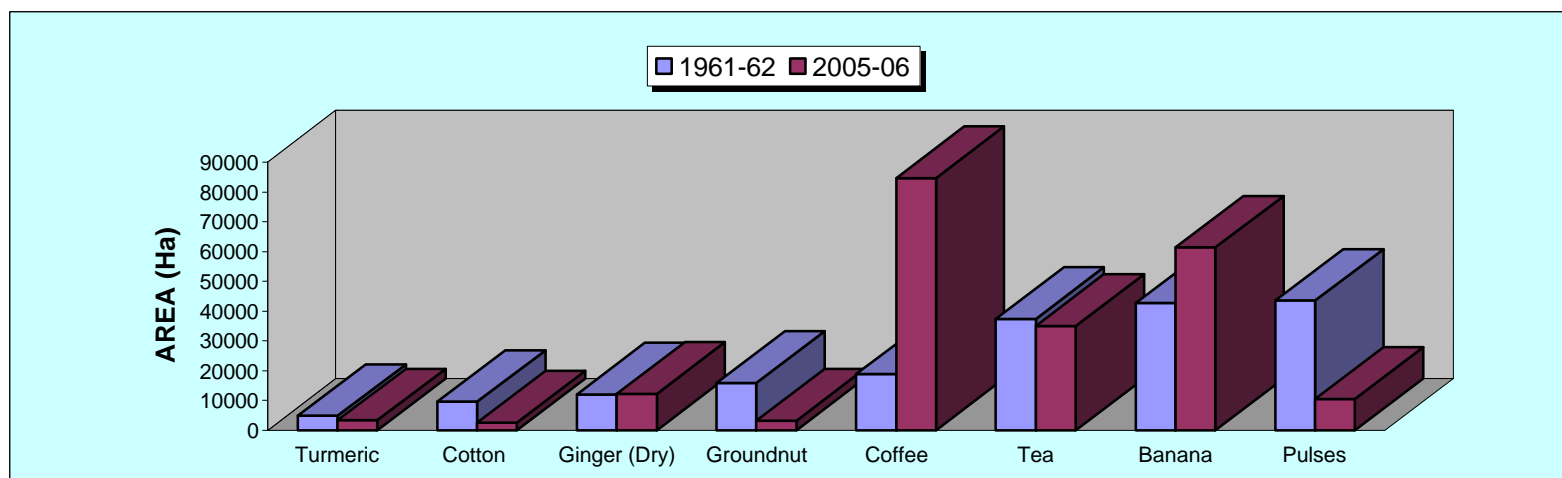
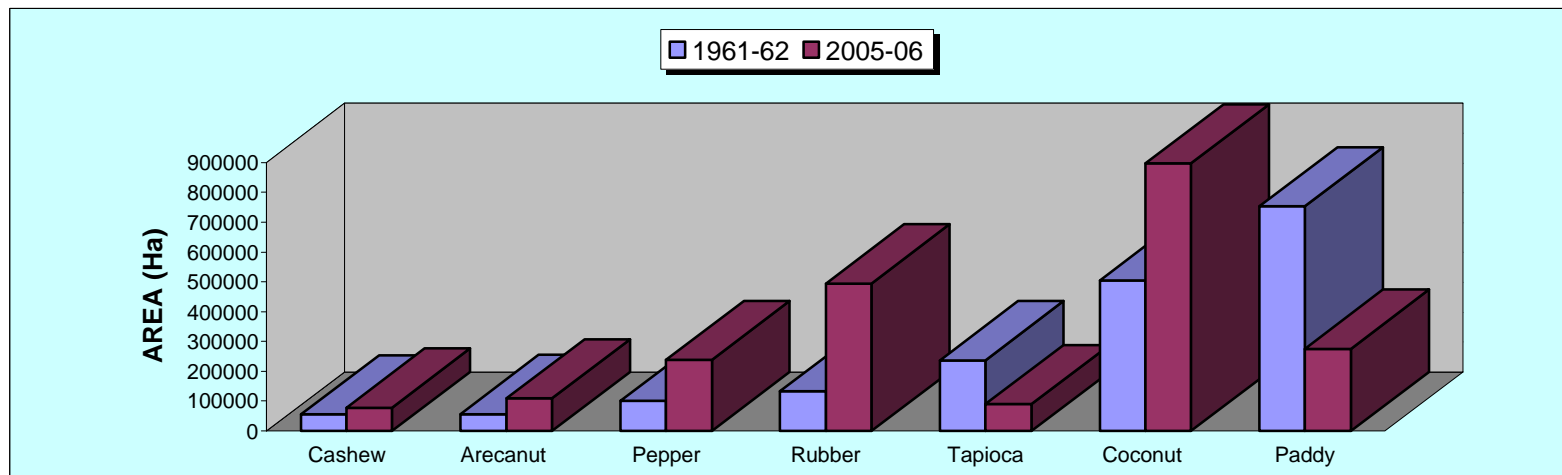
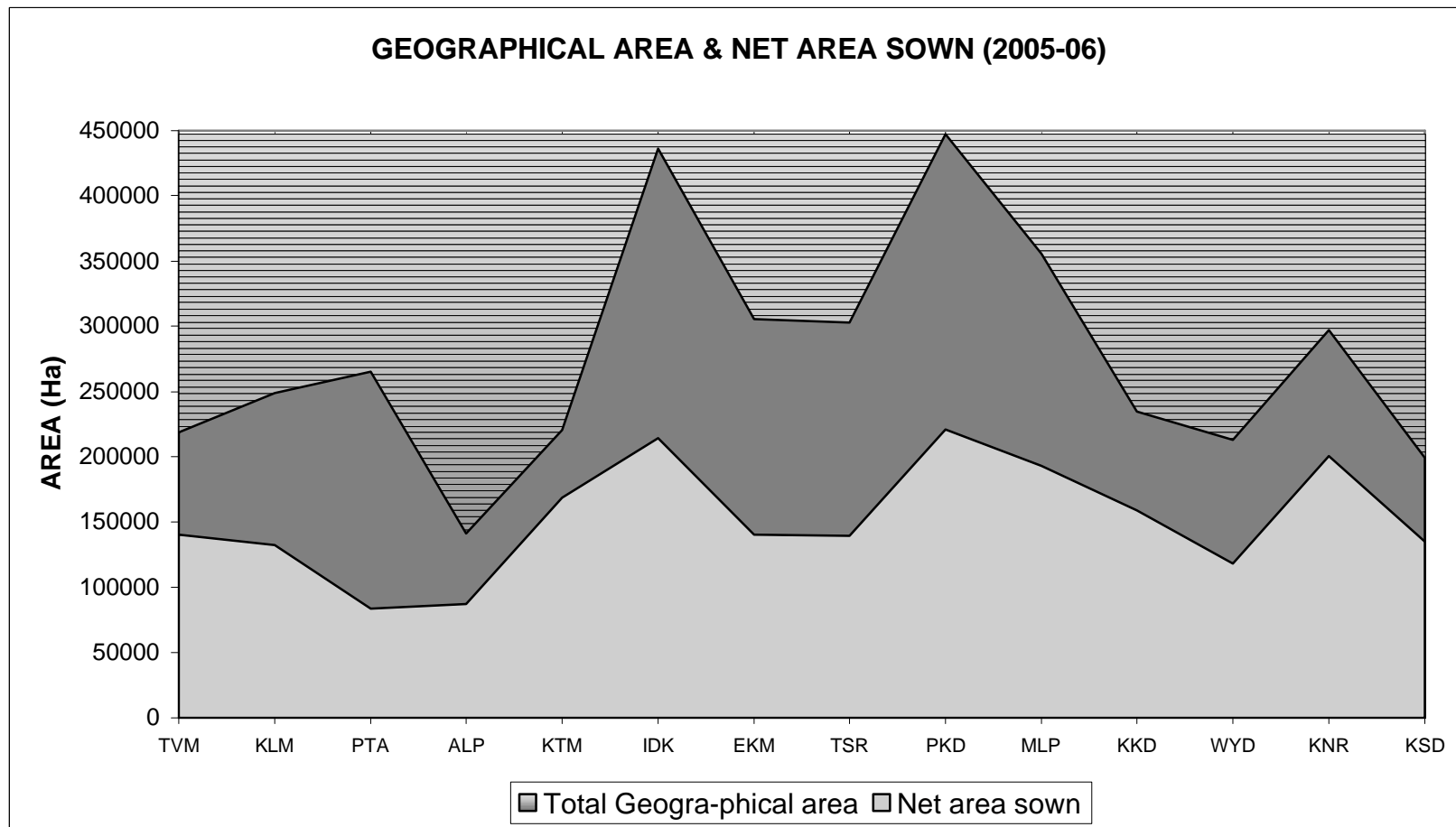


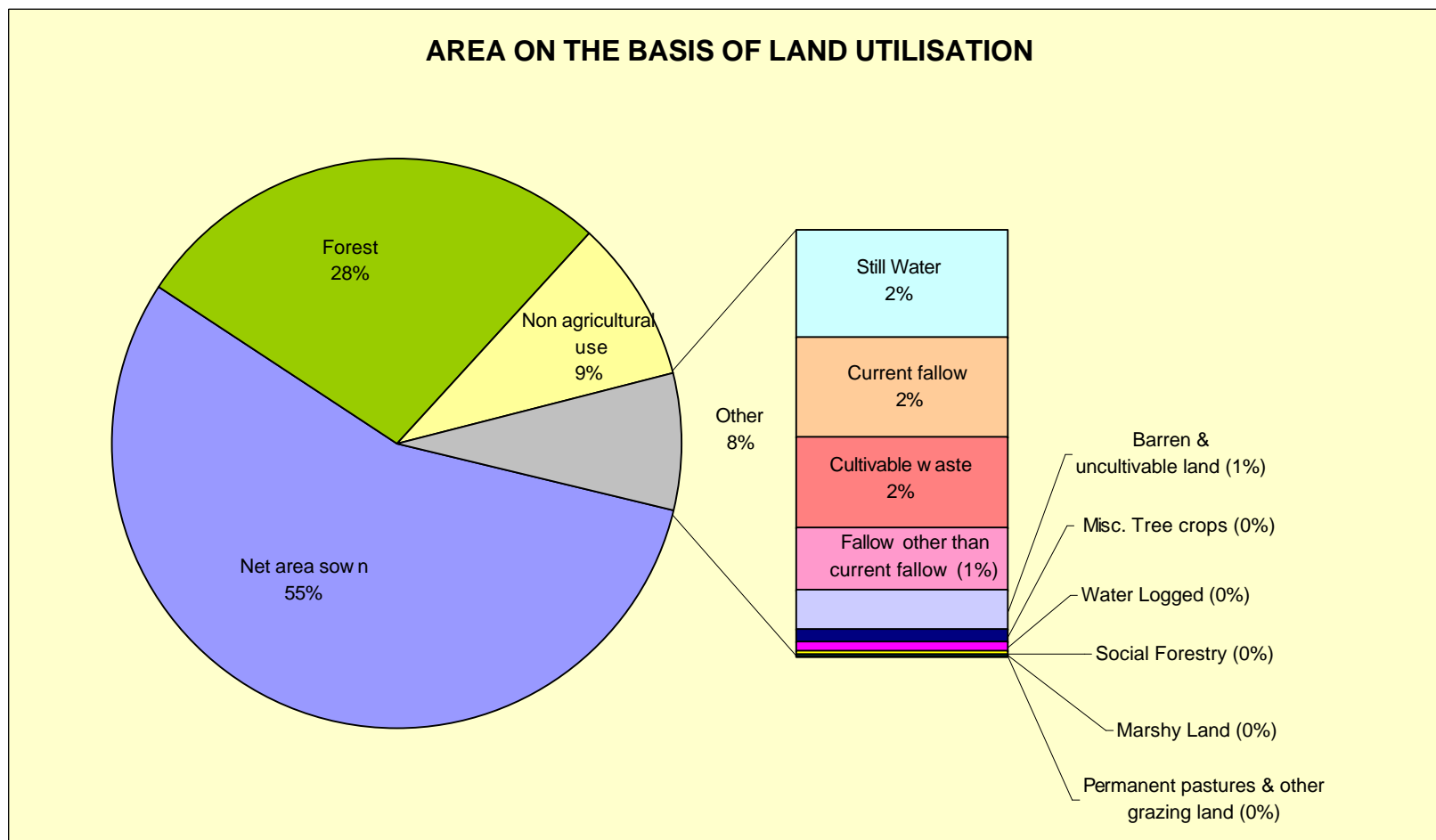
TABLE - 2
CLASSIFICATION OF AREA ON THE BASIS OF LAND UTILISATION

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	24917	350	9	48	422	436	1545	13	464	200	102	140414	39807	180221
2	Kollam	248788	81438	22136	249	11	126	495	630	3797	83	6231	1523	94	131975	57500	189475
3	Pathanamthitta	265277	155214	14946	350	1	98	1585	1925	3583	36	4018	86	103	83332	31755	115087
4	Alappuzha	141011	0	24153	65	1	169	6529	4883	4204	44	12791	944	22	87206	34205	121411
5	Kottayam	220442	8141	24388	1498	0	203	2712	3011	5538	6	5874	233	38	168800	50871	219671
6	Idukki	436328	198413	8853	2702	96	2173	1610	595	804	121	4414	863	1321	214363	84299	298662
7	Ernakulam	305826	70617	52833	1582	11	128	10461	7215	12379	118	9521	529	214	140218	67905	208123
8	Thrissur	302919	103619	36630	345	38	488	3136	5385	9786	1	3550	310	35	139596	53591	193187
9	Palakkad	447584	136257	38684	3541	10	1247	18842	9565	11351	0	7226	37	81	220743	108815	329558
10	Malappuram	355446	103417	37706	1929	0	384	5102	4586	6272	0	2684	68	231	193067	82533	275600
11	Kozhikode	234641	41386	23714	1207	28	152	1198	910	1343	50	4766	912	39	158936	70226	229162
12	Wayanad	212966	78787	10082	228	43	396	1031	402	1431	3	2541	13	25	117984	94752	212736
13	Kannur	297112	48734	26504	2760	8	982	3693	2692	3630	499	6705	214	68	200623	57414	258037
14	Kasaragod	199166	5625	24776	9651	18	2932	9317	2936	4503	0	4001	18	163	135226	19571	154797
	State	3886287	1081509	370322	26457	274	9526	66133	45171	70166	974	74786	5950	2536	2132483	853244	2985727

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: 0% denotes Negligible Values.

TABLE-3
AREA UNDER CROPS 2005-06

(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	2178	2513	14	4705	0	0		4705	9	277	231	517	5222
2	Kollam	2571	4644	3	7218	0	0		7218	14	355	181	550	7768
3	Pathanamthitta	772	1564	955	3291	0	0		3291	17	0	3	20	3311
4	Alappuzha	8643	15660	4465	28768	0	0		28768	0	112	0	112	28880
5	Kottayam	3937	6109	2511	12557	0	0		12557	0	9	93	102	12659
6	Idukki	850	1844	238	2932	0	0	11	2943	0	86	143	229	3172
7	Ernakulam	9976	12146	2812	24934	0	0		24934	93	619	75	787	25721
8	Thrissur	7421	17776	5877	31074	0	0		31074	135	507	11	653	31727
9	Palakkad	49411	64190	318	113919	2446	414		116779	765	3735	261	4761	121540
10	Malappuram	3605	9774	1506	14885	0	0		14885	261	231	414	906	15791
11	Kozhikode	353	3666	684	4703	0	0		4703	19	74	83	176	4879
12	Wayanad	0	9271	2232	11503	1	0		11504	0	0	484	484	11988
13	Kannur	5302	3839	82	9223	1	0		9224	3	230	493	726	9950
14	Kasaragod	3237	2633	160	6030	2	0		6032	17	425	97	539	6571
State Total		98256	155629	21857	275742	2450	414	11	278617	1333	6660	2569	10562	289179

(Table - 3 Contd...)

TABLE-3
AREA UNDER CROPS 2005-06

(Area in Ha)

Sl. No.	District	Sugar Crops			Spices and Condiments												Grand Total
		Sugar Cane	Palmyra	Total	Pepper	Ginger	Turmeric	Cardamom *	Arecanut	Tamarind	Vanilla	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	2	130	132	6980	127	65		1249	1315	37	55	35	1	0	9864	9996
2	Kollam	2	21	23	13509	676	264	12	2485	749	17	102	49	6	0	17869	17892
3	Pathanamthitta	55	44	99	5529	632	137	664	1462	287	94	48	416	22	0	9291	9390
4	Alappuzha	8	29	37	2000	34	11		2353	511	11	16	130	25	0	5091	5128
5	Kottayam	14	419	433	9482	225	160	200	2081	494	842	95	795	26	0	14400	14833
6	Idukki	760	217	977	84219	900	330	32846	4009	381	396	376	976	52	65	124550	125527
7	Ernakulam	6	238	244	6700	372	568		5644	759	607	40	4651	18	0	19359	19603
8	Thrissur	2	166	168	6033	157	126		8116	2217	94	48	2986	14	0	19791	19959
9	Palakkad	360	3017	3377	7457	1362	799	2754	6466	6804	130	15	126	27	0	25940	29317
10	Malappuram	1	823	824	11371	175	285	70	20022	2818	96	24	297	22	0	35180	36004
11	Kozhikode	0	243	243	13923	165	234	220	12478	958	188	55	322	43	0	28586	28829
12	Wayanad	2	137	139	41464	7269	251	4106	10499	125	150	19	33	22	0	63938	64077
13	Kannur	8	82	90	22659	76	104	128	14104	1002	264	16	103	26	0	38482	38572
14	Kasaragod	2	56	58	6672	56	50	367	17622	327	347	28	65	22	0	25556	25614
State Total		1222	5622	6844	237998	12226	3384	41367	108590	18747	3273	937	10984	326	65	437897	444741

*Spices Board Figures

(Table - 3 Contd...)

TABLE-3
AREA UNDER CROPS 2005-06

(Area in Ha)

Sl. No.	District	Fresh Fruits								Dry Fruit	Total Fruits
		Jack	Mango	Banana	Plantain	Pineapple	Papaya	Other Fresh Fruits	Total	Cashew	
1	2	3	4	5	6	7	8	9	10	11	12
1	Thiruvananthapuram	6448	4723	2575	5506	300	1178	515	21245	1869	23114
2	Kollam	6204	5065	1772	4213	531	1218	449	19452	4271	23723
3	Pathanamthitta	3134	1727	2583	2203	301	730	712	11390	1048	12438
4	Alappuzha	2941	5346	578	2897	89	1215	716	13782	3525	17307
5	Kottayam	4202	3144	3342	3884	934	1226	882	17614	638	18252
6	Idukki	7493	3203	1828	3311	1626	830	715	19006	1197	20203
7	Ernakulam	4502	4406	6308	4641	7603	1491	889	29840	1130	30970
8	Thrissur	5446	8286	2919	6771	202	1752	1258	26634	3356	29990
9	Palakkad	5871	9991	11248	7092	185	1349	1083	36819	4391	41210
10	Malappuram	10593	11477	9897	3780	313	2638	911	39609	9123	48732
11	Kozhikode	11502	10656	2165	3230	252	2287	697	30789	3368	34157
12	Wayanad	10284	4734	12842	1732	56	439	456	30543	1235	31778
13	Kannur	13500	11824	2554	3446	255	1827	769	34175	25066	59241
14	Kasaragod	2782	3383	789	2516	128	715	534	10847	18068	28915
State Total		94902	87965	61400	55222	12775	18895	10586	341745	78285	420030

(Table - 3 Contd...)

TABLE-3
AREA UNDER CROPS 2005-06

(Area in Ha)

Sl. No.	District	Tapioca				Tubers	Sweet Potato	Vegetables								Total Food Crops
		Autumn	Winter	Summer	Total			Drumstick	Bitter Gourd	Snake Gourd	Ladies Finger	Brinjal	Green Chillies	Other Vegetables	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Thiruvananthapuram	4381	6273	8965	19619	1483	45	2174	47	142	37	80	77	458	3015	62494
2	Kollam	3536	9712	10566	23814	4833	19	1815	109	31	36	56	156	671	2874	80923
3	Pathanamthitta	1008	3266	3594	7868	3952	7	604	136	102	47	96	19	1061	2065	39031
4	Alappuzha	268	1534	866	2668	840	2	790	109	77	22	53	54	673	1778	56603
5	Kottayam	669	2290	2768	5727	1678	3	800	258	283	24	65	11	1169	2610	55762
6	Idukki	771	3067	2770	6608	1568	10	583	275	5	2	7	21	2296	3189	160277
7	Ernakulam	1256	1369	3011	5636	972	0	807	194	161	55	48	72	1480	2817	85719
8	Thrissur	290	475	652	1417	667	4	1641	192	39	62	116	256	999	3305	87069
9	Palakkad	478	2103	1413	3994	2003	129	2171	318	151	617	338	412	5719	9726	207919
10	Malappuram	1228	1182	2936	5346	2124	229	3198	158	131	111	54	83	1441	5176	113402
11	Kozhikode	428	1010	1038	2476	1170	41	3049	69	11	30	5	2	727	3893	75445
12	Wayanad	241	638	1469	2348	4111	11	880	136	6	15	7	0	759	1803	116116
13	Kannur	315	1363	764	2442	575	38	1918	88	7	32	21	1	1103	3170	113988
14	Kasaragod	54	369	153	576	212	173	708	40	7	44	19	67	950	1835	63896
State Total		14923	34651	40965	90539	26188	711	21138	2129	1153	1134	965	1231	19506	47256	1318644

(Table - 3 Contd...)

TABLE-3
AREA UNDER CROPS 2005-06

(Area in Ha)

Sl. No.	District	Non Food Crops															Grand Total
		Oil Seeds					Fiber Drugs and Narcotics					Plantation Crops					
		Groundnut	Sesamum	Coconut	Others	Total	Cotton	Betel Leaves	Tobacco	Lemon	Grass	Total	Tea *	Coffee **	Rubber #	Cocoa	
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
1	Thiruvananthapuram	0	0	84078	36	84114	0	24	0	0	24	965		28920	108	29993	114131
2	Kollam	0	101	66134	40	66275	0	52	0	5	57	1258		36860	9	38127	104459
3	Pathanamthitta	0	10	21375	45	21430	0	80	0	7	87	91		47969	729	48789	70306
4	Alappuzha	0	62	56154	168	56384	0	32	0	0	32			3934	169	4103	60519
5	Kottayam	0	8	39943	91	40042	0	20	0	0	20	1963	1735	112235	1327	117260	157322
6	Idukki	0	0	24343	17	24360	0	3	0	535	538	23702	10870	38844	4908	78324	103222
7	Ernakulam	0	54	58553	55	58662	0	48	0	1	49	2		57288	1225	58515	117226
8	Thrissur	0	58	85366	423	85847	0	25	0	3	28	530		14057	81	14668	100543
9	Palakkad	3299	64	55437	1313	60113	2655	4	0	65	2724	852	4650	31951	66	37519	100356
10	Malappuram	0	231	113411	162	113804	0	455	0	0	455	174		32588	124	32886	147145
11	Kozhikode	0	0	129500	29	129529	0	18	0	3	21			18237	500	18737	148287
12	Wayanad	0	5	11517	2	11524	0	0	0	80	80	5506	67389	7777	91	80763	92367
13	Kannur	0	4	93934	116	94054	0	5	0	64	69			38366	166	38532	132655
14	Kasaragod	0	3	58088	28	58119	0	14	43	1	58			25374	67	25441	83618
State Total		3299	600	897833	2525	904257	2655	780	43	764	4242	35043	84644	494400	9570	623657	1532156

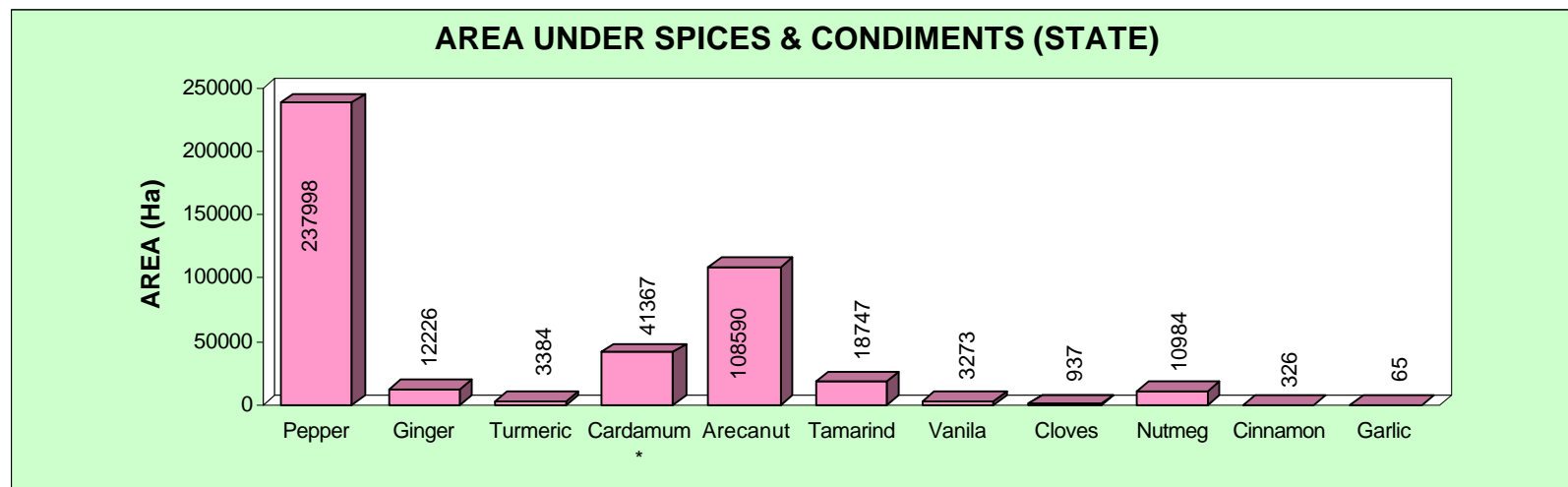
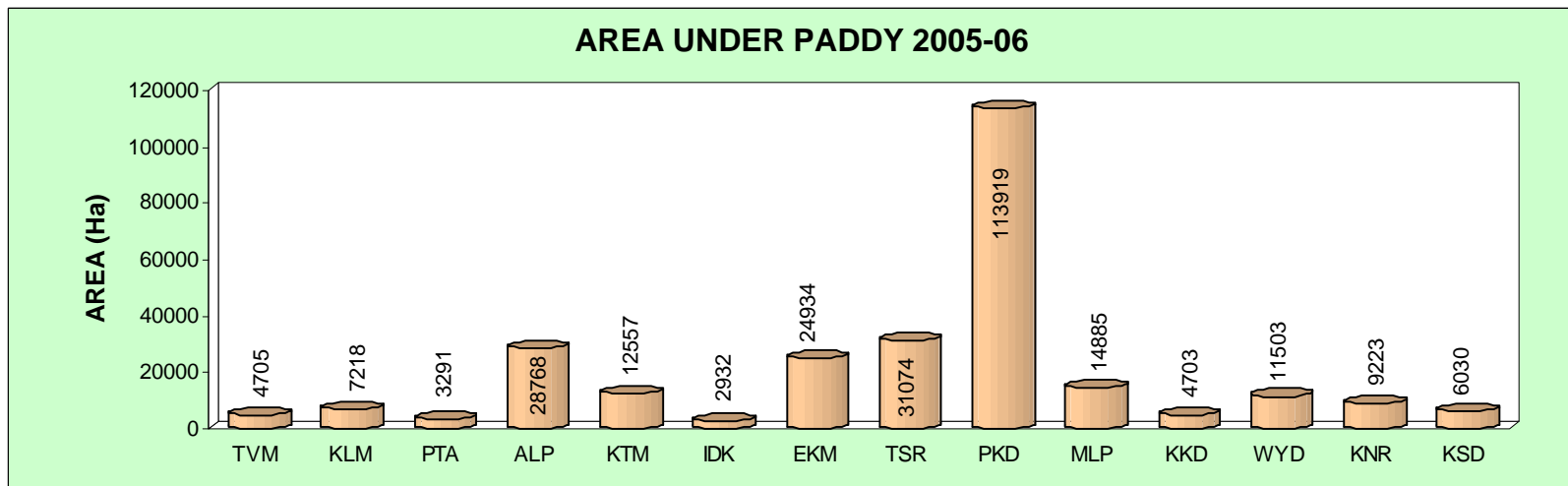
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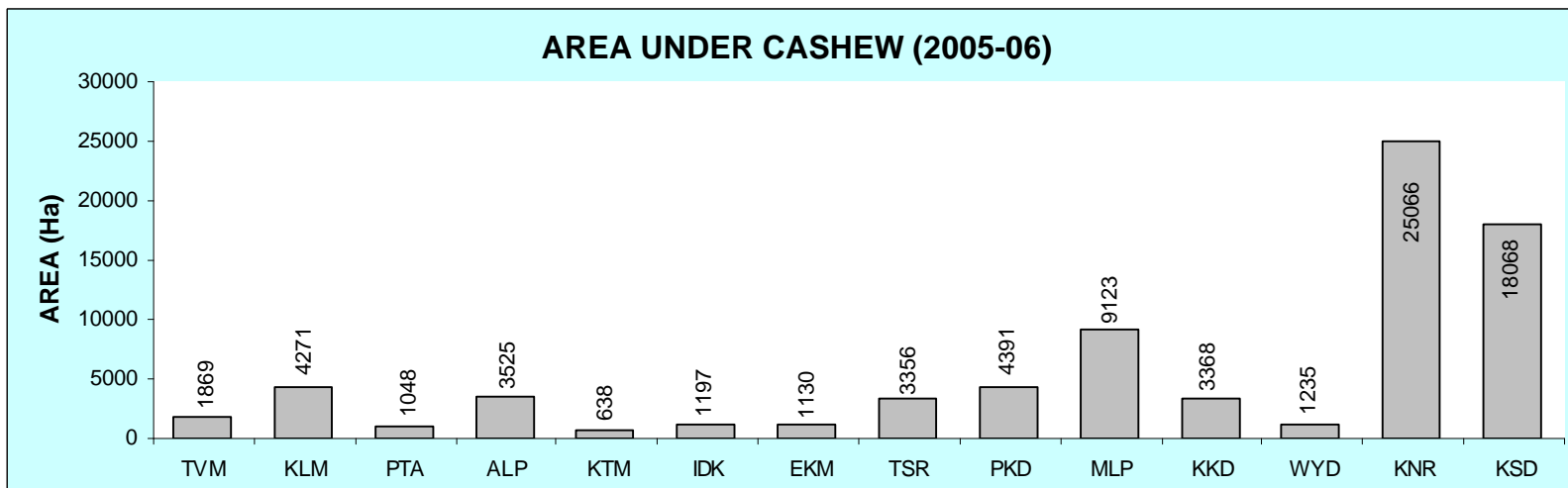
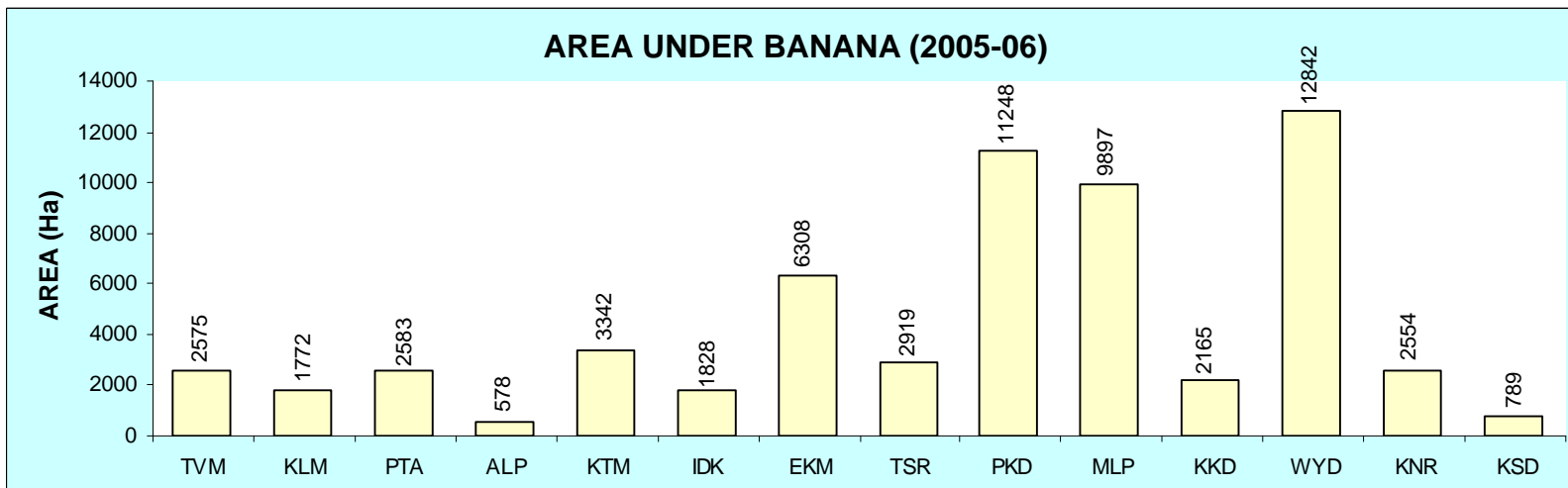
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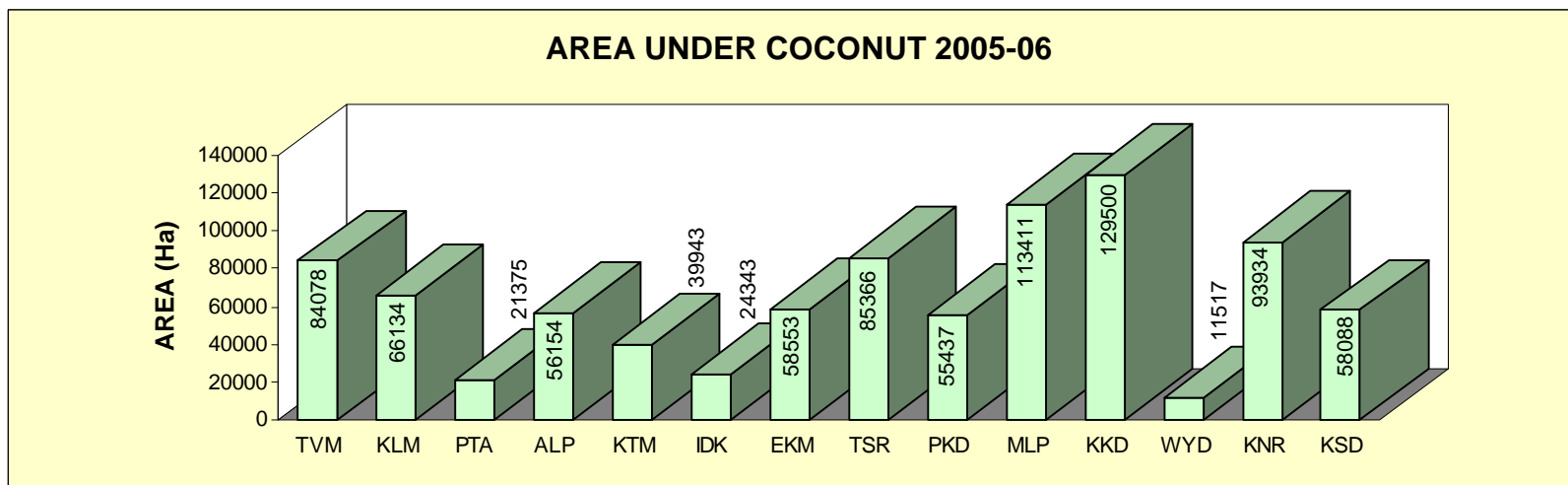
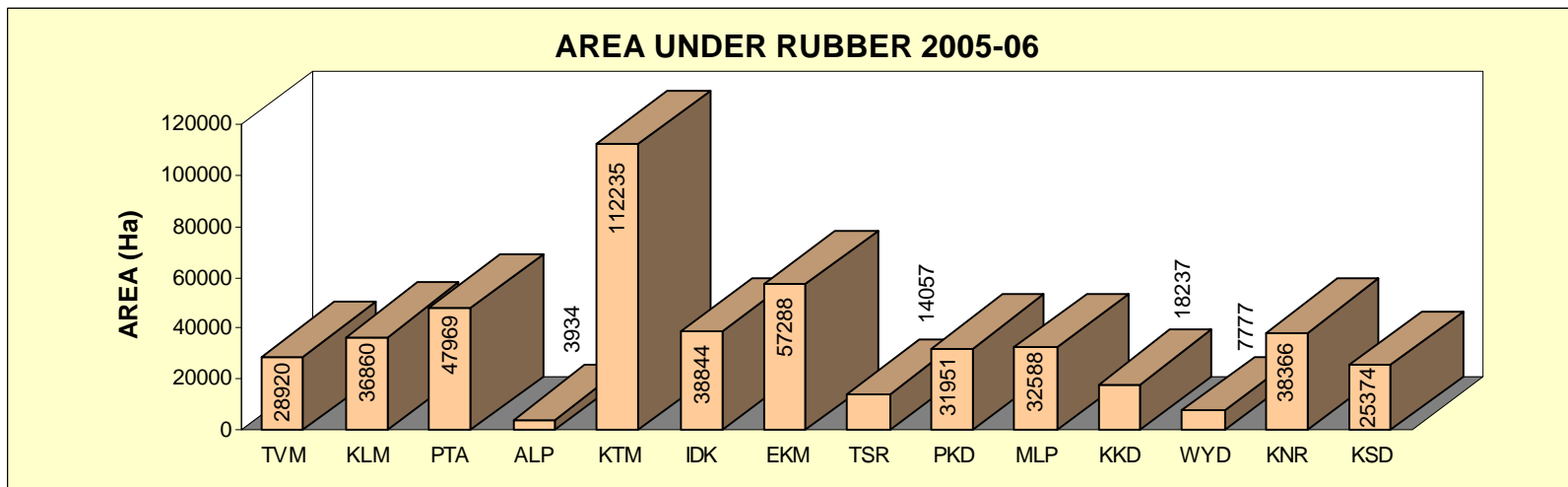
TABLE-3
AREA UNDER CROPS 2005-06

(Area in Ha)

Sl. No.	District	Non Food Crops				Total	Total Non Food Crops	Total Cropped Area
		Fodder Grass	Green Manure Crops	Other Crops & Trees	Medicinal Plants			
1	2	3	4	5	6	7	8	9
1	Thiruvananthapuram	125	325	3106	40	3596	117727	180221
2	Kollam	243	1049	2788	13	4093	108552	189475
3	Pathanamthitta	237	1422	4086	5	5750	76056	115087
4	Alappuzha	194	349	3740	6	4289	64808	121411
5	Kottayam	148	652	5767	20	6587	163909	219671
6	Idukki	1324	667	33170	2	35163	138385	298662
7	Ernakulam	172	625	4340	41	5178	122404	208123
8	Thrissur	100	1485	3954	36	5575	106118	193187
9	Palakkad	808	2420	18005	50	21283	121639	329558
10	Malappuram	19	6300	8721	13	15053	162198	275600
11	Kozhikode	51	1831	3545	3	5430	153717	229162
12	Wayanad	188	457	3601	7	4253	96620	212736
13	Kannur	148	886	10359	1	11394	144049	258037
14	Kasaragod	54	1288	5939	2	7283	90901	154797
State Total		3811	19756	111121	239	134927	1667083	2985727







A Brief Analysis Of The Production Of Important Crops **For 2005 – 2006**

Rice: - The total rice production during the year 2005-06 is estimated as 6.3 lakh tonnes as against 13.39 lakh tonnes during 1981-82. This shows a decreasing trend in the production of rice. Thus within a span of 24 years the rice production came down to around 6.3 lakhs tonnes of rice i.e. One fifth (1/5) of its annual requirement of estimated 30 Lakh Tonnes. The rice per hectare is highest in Kasaragod district (2544 kg/ha) followed by Idukki district (2462 kg/ha) in autumn season. In winter season the productivity of rice in the state ranged between 2773 kg (Alappuzha district) and 1243kg (Kozhikode district) per hectare. The productivity of paddy in the state during the year is 2163 kg/ha, 2299 kg/ha & 2733 kg/ha in autumn, winter and summer seasons respectively

Coconut: - Malappuram district occupies first rank in position in the case of coconut production in Kerala. Kozhikode district is in second place. The productivity of coconut during the year 2005-06 is increased when compared with previous year. The coconut nuts per hectare are highest in Thrissur district (8505 nuts/ha) followed by Thiruvananthapuram district (7909 nuts/ha). Coconut nuts per hectare in the state ranged between 3299 nuts (Wayanad district) and 8505 nuts (Thrissur district).

Arecanut: - Highest contribution in the case of Arecanut production is 27% from Kasaragode district. Kannur comes in the second place. Kasaragode district records the highest productivity (1856 kg/ha). Thrissur comes in the second place (1314). Alappuzha district records the least productivity in the state (404 Kg./ha.)

Tapioca: - Kollam district contributed 27 % of total tapioca production and followed by Thiruvananthapuram district (i.e., 18 %). Contribution of Kasaragode district is the minimum (0.5 %). Productivity of tapioca is highest in Wayanad district (36.5 Tonnes/ha).

Pepper: - Idukki district occupied the first place in the case of pepper production (60%). Similarly in the case of productivity, Idukki district stands first (618 kg/ha). Alappuzha district records the least productivity in the state (89 kg. /ha.)

Irrigation

Major source of irrigation, as found out from the survey, is from wells and government canals. The percentage of area irrigated through these two sources is 27 & 26 percentage respectively. The net area irrigated in the State during the year is 401450ha.

TABLE - 4
PRODUCTION OF IMPORTANT CROPS 2005-06

Sl. No.	District	Rice				Jower	Ragi	Other cereals	Sugarcane	Black Pepper	Green Chillies	Pulses	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	5232	5778	24	11034				12	1710	70	372	298	134	
2	Kollam	5713	10345	5	16063				12	4625	142	401	1999	484	
3	Pathanamthitta	1549	3509	2460	7518				202	1419	19	16	1908	263	
4	Alappuzha	16555	43429	11764	71748				44	177	49	96	73	13	
5	Kottayam	9138	15823	6300	31261				90	1695	10	88	772	367	
6	Idukki	2093	4758	649	7500			21	5160	52063	19	187	3103	787	
7	Eranakulam	19168	23564	5301	48033				40	1274	66	559	1181	1427	
8	Thrissur	14563	38899	19489	72951				14	1282	234	466	467	290	
9	Palakkad	112132	153728	774	266634	1247	335		3485	1129	441	3578	6350	2501	2441
10	Malappuram	7732	18809	4836	31377	0			9	1456	76	670	336	462	
11	Kozhikode	431	4558	1325	6314	0			0	1869	2	132	504	466	
12	Wayanad	0	22032	6353	28385	0			18	11483	0	368	38823	621	
13	Kannur	9980	7314	89	17383	0			78	5473	1	588	279	304	
14	Kasaragod	8234	5188	364	13786	1			1	1950	63	419	195	118	
State Total		212520	357734	59733	629987	1248	335	21	9165	87605	1192	7940	56288	8237	2441

(Table - 4 Contd...)

TABLE - 4
PRODUCTION OF IMPORTANT CROPS 2005-06

(Production in Tonnes)

Sl. No.	District	Arecanut	Tamarind	Mango	Jack (Nos.in million nuts)	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	690	4011	30652	36	17794	46499	1634	463702	510	7763	2711	0.0	665
2	Kollam	1794	1532	31910	30	12846	38018	4114	694984	209	1133	1896	69.0	504
3	Pathanamthitta	1637	547	13557	15	23302	29980	1753	255006	77	4030	651	3.0	119
4	Alappuzha	950	977	26035	6	3927	18042	397	62286	24	6038	523	17.0	357
5	Kottayam	1201	945	17606	23	28817	33886	6072	182262	24	8827	433	2.0	217
6	Idukki	4669	660	21524	18	13883	30531	13318	205293	115	2067	1064	0.0	90
7	Eranakulam	6050	810	21281	22	47906	37399	73855	182605	0	7217	827	13.0	369
8	Thrissur	10661	2070	41596	20	25285	41874	1793	28254	44	7657	2124	20.0	726
9	Palakkad	6290	8395	95114	19	82643	63159	954	105321	1190	8944	2676	11.0	415
10	Malappuram	15623	3654	55893	39	69993	32956	1402	164029	2634	11393	1516	72.0	863
11	Kozhikode	14522	2137	31861	27	15605	21195	1610	61311	469	3293	1472	0.0	845
12	Wayanad	6035	245	15528	27	115160	15766	228	85599	129	2928	612	0.4	38
13	Kannur	16486	1912	87261	56	27532	18707	1391	63880	432	9793	1619	0.6	692
14	Kasaragod	32701	882	21313	12	7130	17321	804	13752	3156	4398	751	2.0	426
State Total		119309	28777	511131	350	491823	445333	109325	2568284	9013	85481	18875	210.0	6326

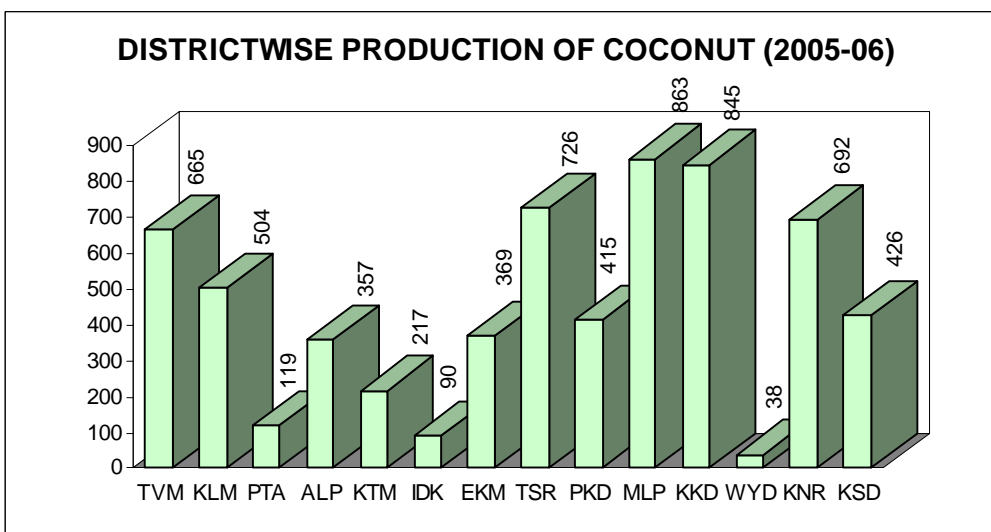
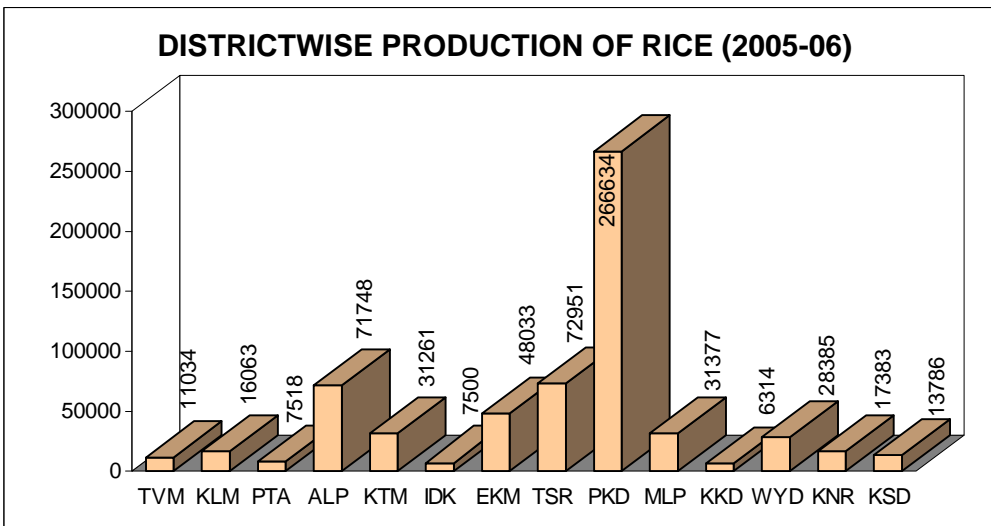
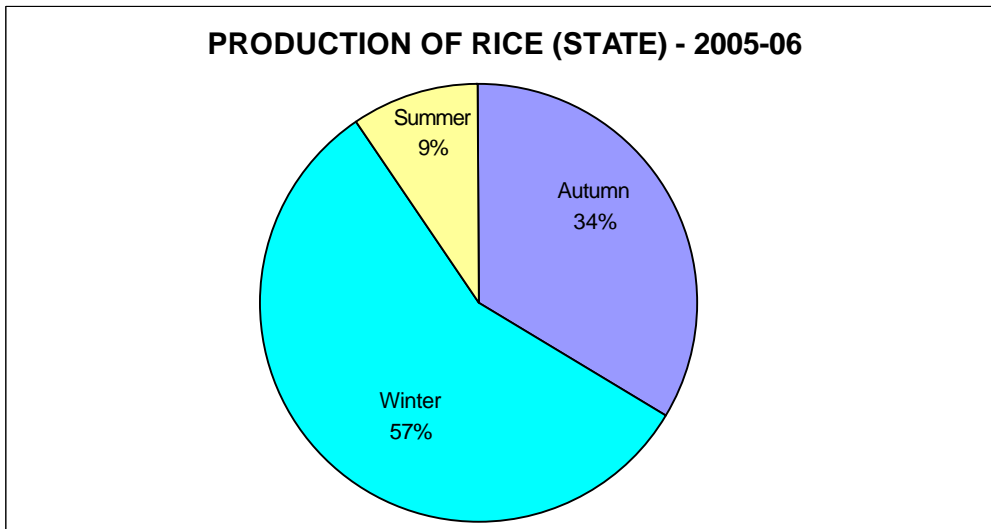
(Table - 4 Contd....)

TABLE - 4
PRODUCTION OF IMPORTANT CROPS 2005-06

(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		9		301		44160	45		1087	4294	3	
2	Kollam		13		232		60765	4	0	3003	2003	4	
3	Pathanamthitta		107		0		70540	647	9	528	14315	3	
4	Alappuzha		33				5595	73		1182	5726	1	
5	Kottayam		207		72	1005	163942	608	25	269	3311	7	
6	Idukki		251		40063	6820	56330	3051	9076	746	537	24	1105
7	Eranakulam		1244		0		82892	598		507	8587	3	
8	Thrissur		635		1864		25088	35		1687	4473	4	
9	Palakkad	3452	34		1852	2325	51184	15	270	1785	716	2	
10	Malappuram		76		0		48712	53	3	7394	86810	2	
11	Kozhikode		82				29943	139	1	2200	3221	3	
12	Wayanad		10		12000	50025	6722	29	380	697	0	2	
13	Kannur		27				61995	53	0	29252	894	1	
14	Kasaragod		18	69			31357	12	1	17925	2505	2	
State Total		3452	2746	69	56384	60175	739225	5362	9765	68262	137392	61	1105

Source:- *Tea Board, **Coffee Board, #Spices Board, ##Rubber Board



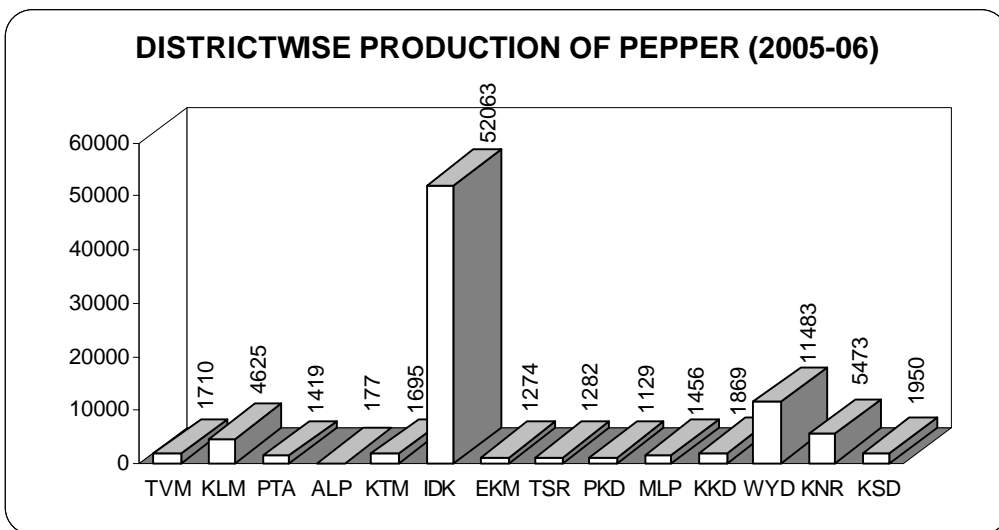
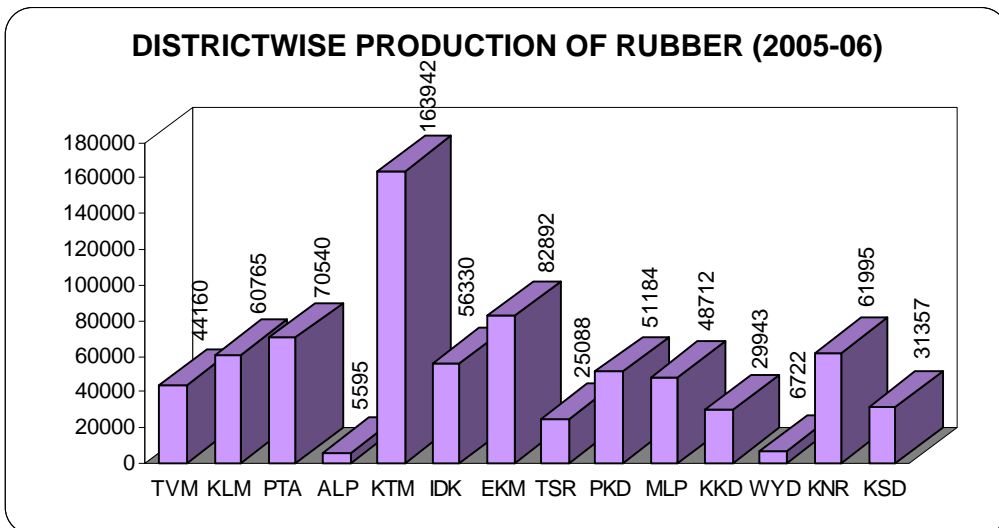
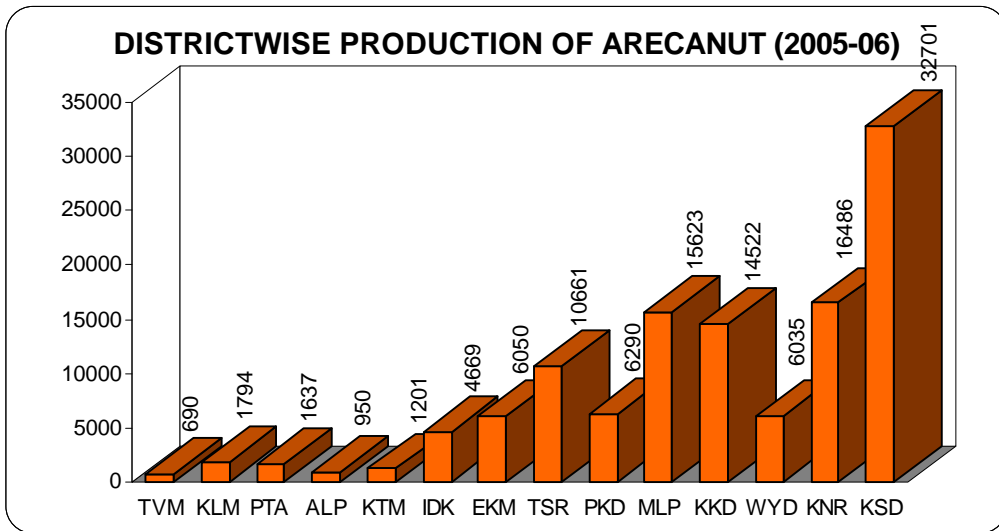


TABLE - 5
ESTIMATED AREA AND PRODUCTION OF RICE - AUTUMN 2005-06

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				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	404	845	1663	4172	2067	5017	111	215			111	215	2178	5232
2	Kollam			2506	5582	2506	5582			65	131	65	131	2571	5713
3	Pathanamthitta			772	1549	772	1549					0	0	772	1549
4	Alappuzha	7937	15820	421	577	8358	16397			285	158	285	158	8643	16555
5	Kottayam	3675	8524	221	524	3896	9048	3	2	38	88	41	90	3937	9138
6	Idukki			752	1840	752	1840			98	253	98	253	850	2093
7	Eranakulam	5999	11551	2474	4914	8473	16465			1503	2703	1503	2703	9976	19168
8	Thrissur			6905	13516	6905	13516			516	1047	516	1047	7421	14563
9	Palakkad	1649	3699	45272	104981	46921	108680	9	15	2481	3437	2490	3452	49411	112132
10	Malappuram	1	2	3379	7379	3380	7381			225	351	225	351	3605	7732
11	Kozhikode			166	237	166	237			187	194	187	194	353	431
12	Wayanad					0	0					0	0	0	0
13	Kannur			4386	8565	4386	8565			916	1415	916	1415	5302	9980
14	Kasaragod			2418	6472	2418	6472			819	1762	819	1762	3237	8234
	State	19665	40441	71335	160308	91000	200749	123	232	7133	11539	7256	11771	98256	212520

TABLE - 6
ESTIMATED AREA AND PRODUCTION OF RICE - WINTER 2005-06

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	543	1042	1497	3574	2040	4616	6	9	467	1153	473	1162	2513	5778
2	Kollam	778	1771	885	1935	1663	3706	0	0	2981	6639	2981	6639	4644	10345
3	Pathanamthitta	964	2293	102	215	1066	2508	72	145	426	856	498	1001	1564	3509
4	Alappuzha	14808	42184	327	674	15135	42858	178	323	347	248	525	571	15660	43429
5	Kottayam	5989	15626	0	0	5989	15626	120	197	0	0	120	197	6109	15823
6	Idukki	1111	2749	345	942	1456	3691	388	1067	0	0	388	1067	1844	4758
7	Eranakulam	11475	22419	138	221	11613	22640	409	692	124	232	533	924	12146	23564
8	Thrissur	12174	29051	10	14	12184	29065	5534	9742	58	92	5592	9834	17776	38899
9	Palakkad	41557	106873	1616	3171	43173	110044	3719	6243	17298	37441	21017	43684	64190	153728
10	Malappuram	3263	7353	2068	4068	5331	11421	2697	4596	1746	2792	4443	7388	9774	18809
11	Kozhikode	81	171	553	923	634	1094	113	148	2919	3316	3032	3464	3666	4558
12	Wayanad	5184	13062	1703	4259	6887	17321	887	1753	1497	2958	2384	4711	9271	22032
13	Kannur	2702	5542	2	4	2704	5546	1135	1768	0	0	1135	1768	3839	7314
14	Kasaragod	798	1750	279	681	1077	2431	1326	2382	230	375	1556	2757	2633	5188
	State	101427	251886	9525	20681	110952	272567	16584	29065	28093	56102	44677	85167	155629	357734

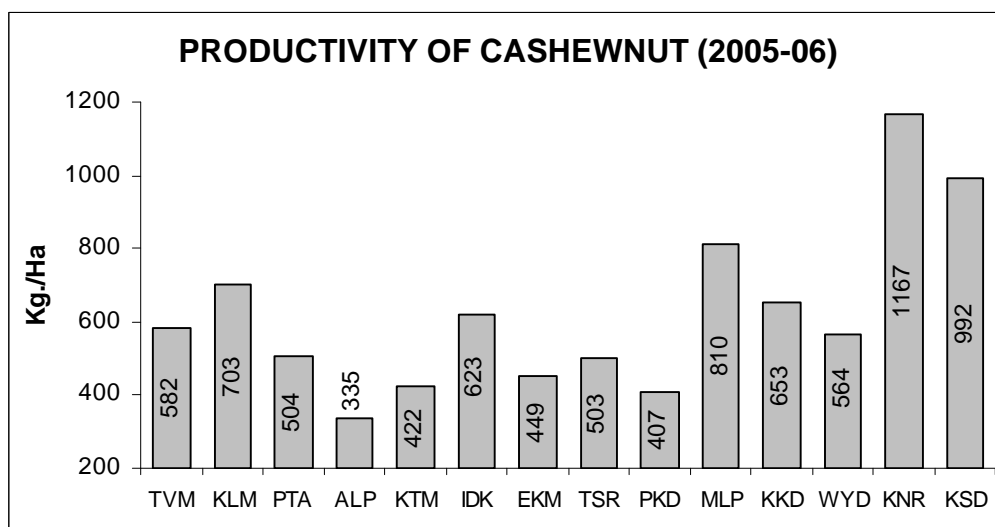
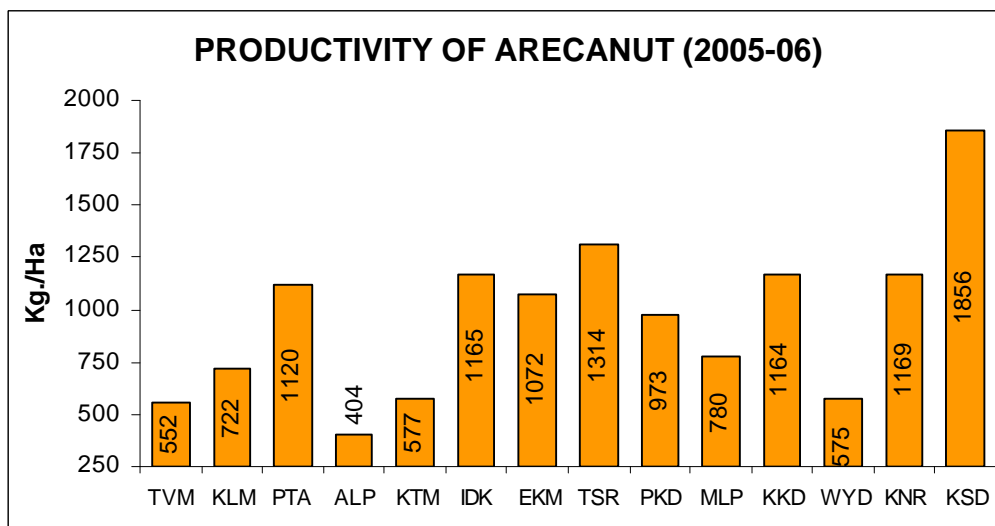
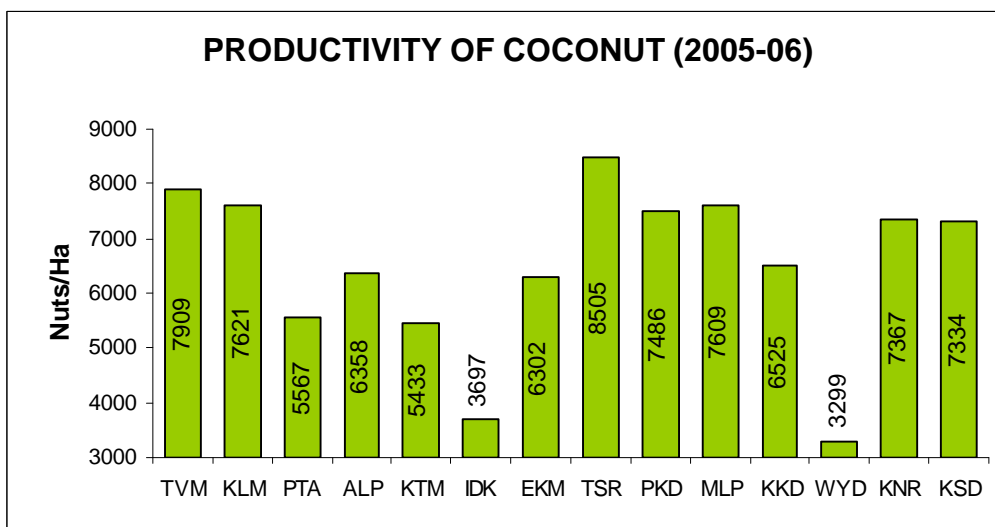
TABLE - 7
ESTIMATED AREA AND PRODUCTION OF RICE - SUMMER 2005-06

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		
1	Thiruvananthapuram	14	24	0		14	24	0				0	0	14	24
2	Kollam	0	0	3	5	3	5	0				0	0	3	5
3	Pathanamthitta	953	2454	2	6	955	2460	0				0	0	955	2460
4	Alappuzha	4465	11764	0		4465	11764	0				0	0	4465	11764
5	Kottayam	2511	6300	0		2511	6300	0				0	0	2511	6300
6	Idukki	238	649	0		238	649	0				0	0	238	649
7	Eranakulam	2812	5301	0		2812	5301	0				0	0	2812	5301
8	Thrissur	5832	19418	0		5832	19418	45	71			45	71	5877	19489
9	Palakkad	318	774	0		318	774	0				0	0	318	774
10	Malappuram	1469	4782	0		1469	4782	37	54			37	54	1506	4836
11	Kozhikode	631	1258	6	10	637	1268	47	57			47	57	684	1325
12	Wayanad	2222	6331	7	18	2229	6349	3	4			3	4	2232	6353
13	Kannur	82	89	0		82	89	0				0	0	82	89
14	Kasaragod	97	237	0		97	237	63	127			63	127	160	364
	State	21644	59381	18	39	21662	59420	195	313	0	0	195	313	21857	59733

TABLE - 8
ESTIMATED PRODUCTIVITY OF CROPS 2005-06

Sl. No.	District	Rice			Coconut (No)	Areca nut	Tapioca	Raw Cashew nuts	Black Pepper	Rubber	Banana	Plantain	Jack (No)	Cocoa	Sesamum
		Autumn	Winter	Summer											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	2402	2299	1714	7909	552	23635	582	245	1527	6910	8445	5583	417	
2	Kollam	2222	2228	1667	7621	722	29184	703	342	1649	7249	9024	4836	444	683
3	Pathanamthitta	2006	2244	2576	5567	1120	32411	504	257	1471	9021	13609	4786	888	300
4	Alappuzha	1915	2773	2635	6358	404	23346	335	89	1422	6794	6228	2040	432	274
5	Kottayam	2321	2590	2509	5433	577	31825	422	179	1461	8623	8725	5474	458	250
6	Idukki	2462	2580	2727	3697	1165	31067	623	618	1450	7595	9221	2402	622	-
7	Eranakulam	1921	1940	1885	6302	1072	32400	449	190	1447	7594	8058	4887	488	241
8	Thrissur	1962	2188	3316	8505	1314	19939	503	212	1785	8662	6184	3672	432	345
9	Palakkad	2269	2395	2434	7486	973	26370	407	151	1602	7347	8906	3236	227	172
10	Malappuram	2145	1924	3211	7609	780	30683	810	128	1495	7072	8719	3682	427	312
11	Kozhikode	1221	1243	1937	6525	1164	24762	653	134	1642	7208	6562	2347	278	-
12	Wayanad	-	2376	2846	3299	575	36456	564	277	864	8967	9103	2625	319	80
13	Kannur	1882	1905	1085	7367	1169	26159	1167	242	1616	10780	5429	4148	319	150
14	Kasaragod	2544	1970	2275	7334	1856	23875	992	292	1236	9037	6884	4313	179	667
	State	2163	2299	2733	7046	1099	28367	872	368	1495	8010	8064	3688	560	350



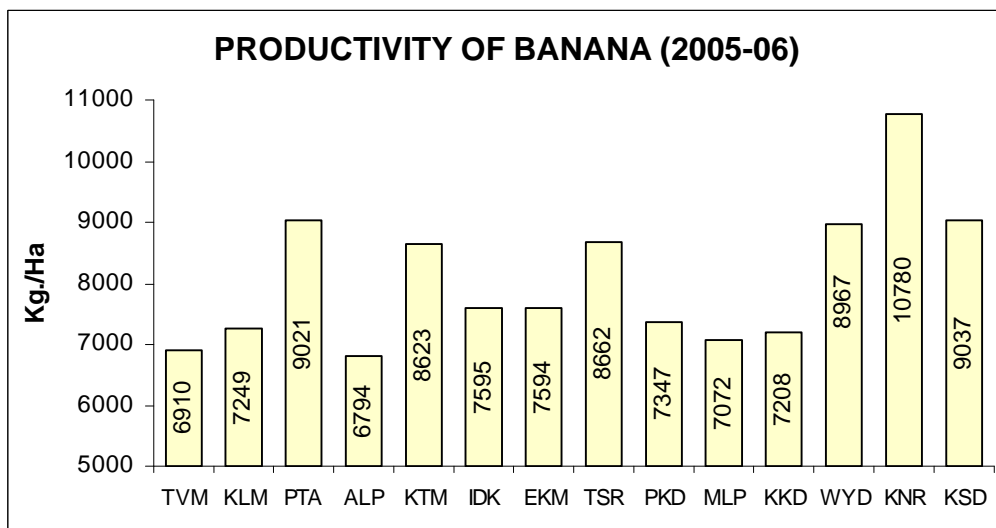
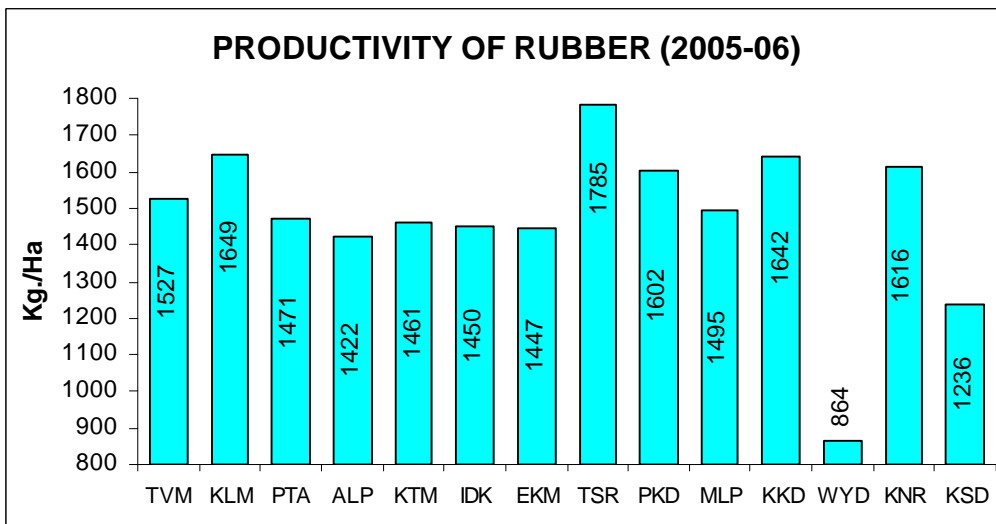
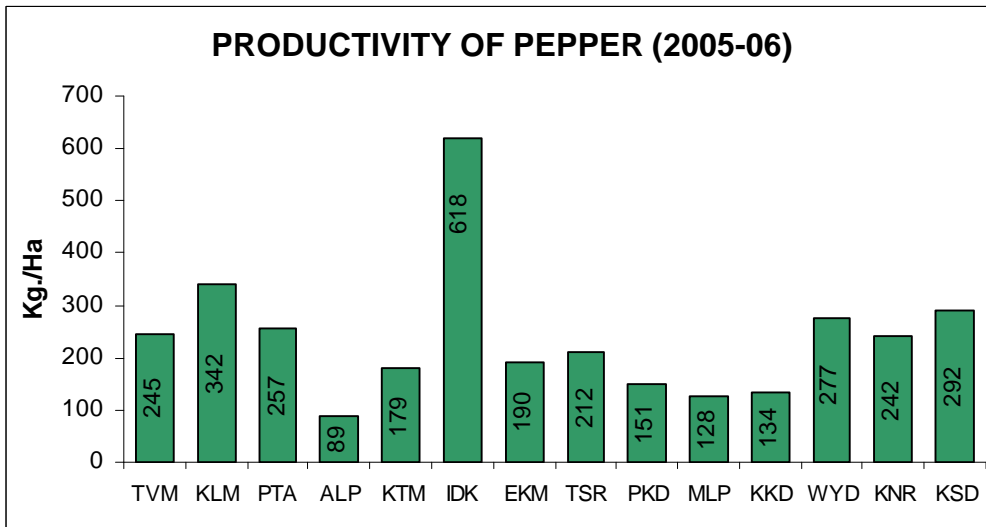


TABLE - 9
NET AREA IRRIGATED (SOURCE-WISE) 2005-06

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	2471	210	294	65	2	542	12	475	1	4072
2	Kollam	413	80	9	175	3	1531	4	403	2	2620
3	Pathanamthitta	1620	29	6	103	18	1872	58	2412	1	6119
4	Alappuzha	5347	141	7	8436	7	3176	69	22821	3653	43657
5	Kottayam	745	23	1	88	6	856	66	12861	1	14647
6	Idukki	2508	698	27	5539	22	2273	45	5942	40	17094
7	Eranakulam	20569	41	253	2389	512	10201	3449	5938	285	43637
8	Thrissur	24849	84	532	6895	443	36752	2592	12392	3223	87762
9	Palakkad	41332	991	194	3912	32	14822	1152	13576	987	76998
10	Malappuram	824	539	676	1986	27	5481	640	8313	5238	23724
11	Kozhikode	1246	24	8	201	7	1427	135	1943	452	5443
12	Wayanad	856	664	42	95	4	67	293	8152	162	10335
13	Kannur	1244	958	74	1714	18	7919	225	7355	8	19515
14	Kasaragod	82	467	70	11215	65	22297	186	11271	174	45827
	State	104106	4949	2193	42813	1166	109216	8926	113854	14227	401450

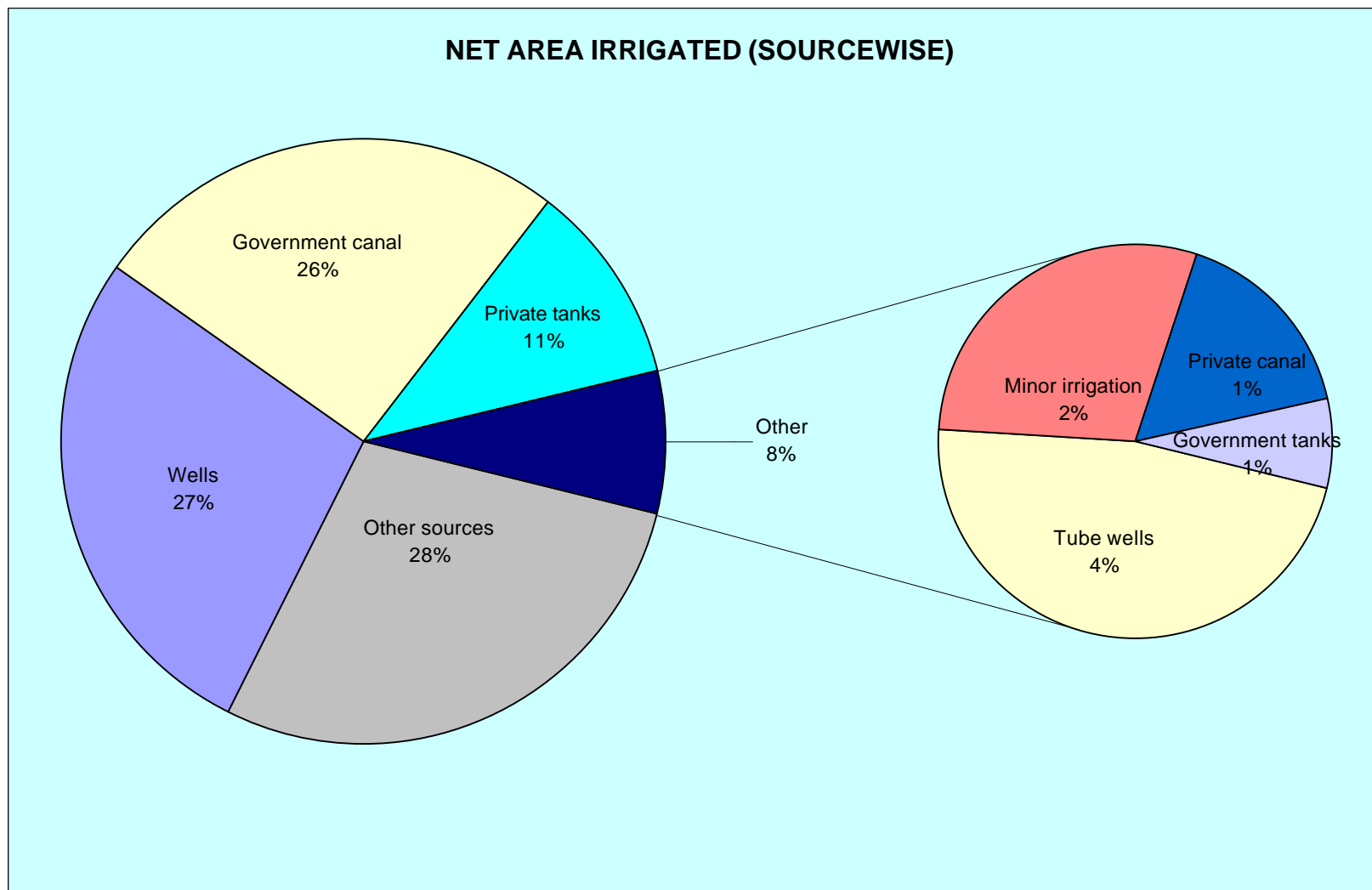


TABLE - 10
GROSS AREA UNDER IRRIGATION (CROP-WISE) 2005-06

Sl. No.	District	Area in Hectares											
		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	1078	135	902	1947	10	42	14	57	1460	20	0	1352
2	Kollam	778	360	626	1506	55	78	27	28	1522	48	0	925
3	Pathanamthitta	1989	370	1012	1570	82	33	95	57	2235	75	34	75
4	Alappuzha	27388	90	685	10986	146	9	76	634	432	22	5	827
5	Kottayam	12298	202	998	450	49	84	398	196	3246	16	9	892
6	Idukki	1737	342	1815	353	225	113	426	612	1535	2	650	735
7	Eranakulam	20695	117	2271	16271	2945	25	2850	148	6245	45	2	978
8	Thrissur	23585	126	835	52097	2828	44	1975	912	2838	24	1	956
9	Palakkad	47252	299	2942	21597	2926	12	42	688	10835	3	325	4237
10	Malappuram	7467	170	942	12910	5789	21	97	163	9746	432	0	1520
11	Kozhikode	872	160	410	3529	381	36	153	14	2045	14	0	1349
12	Wayanad	8296	245	546	184	396	14	13	12	12347	0	0	1102
13	Kannur	3919	69	642	11079	3145	9	65	125	2432	3	5	3124
14	Kasaragod	2284	20	571	25433	13750	23	38	145	742	12	1	1804
State		159638	2705	15197	159912	32727	543	6269	3791	57660	716	1032	19876

TABLE-11
RAINFALL DISTRIBUTION OF KERALA FOR THE YEAR 2005-06

Sl. No.	District	2005						2006						2005-06		
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Actual	Normal	Deviation
1	2	3	4	5	6	7	8	9	10	11	12	13	14			
1	Thiruvananthapuram	267	51	185	270	306	167	19	0	74	81	279	239	1938	1923	15
2	Kollam	464	104	284	240	311	193	18	9	149	96	351	307	2526	2495	31
3	Pathanamthitta	670	155	421	220	375	91	28	0	148	136	449	452	3145	2840	305
4	Alappuzha	522	114	344	277	188	96	12	0	58	74	487	482	2654	2992	-338
5	Kottayam	673	278	461	390	291	72	20	0	115	201	540	525	3566	3208	358
6	Idukki	1986	636	969	369	241	114	10	0	138	135	711	586	5895	3769	2126
7	Eranakulam	820	355	473	279	196	20	13	0	62	43	629	654	3544	3578	-34
8	Thrissur	759	343	463	171	91	3	1	0	46	61	620	644	3202	3074	128
9	Palakkad	812	284	360	171	109	57	5	0	83	65	404	502	2852	2472	380
10	Malappuram	735	252	369	278	176	16	0	0	75	22	492	666	3081	2850	231
11	Kozhikode	681	235	308	221	162	10	6	0	12	10	601	937	3183	3671	-488
12	Wayanad	1178	461	349	288	71	8	10	0	67	66	482	443	3423	3409	14
13	Kannur	850	267	290	179	162	13	0	0	16	5	617	736	3135	3374	-239
14	Kasaragod	634	307	326	134	41	10	0	0	0	1	688	869	3010	3613	-603
	State	789	274	400	249	194	62	10	1	75	71	525	574	3225	3091	135

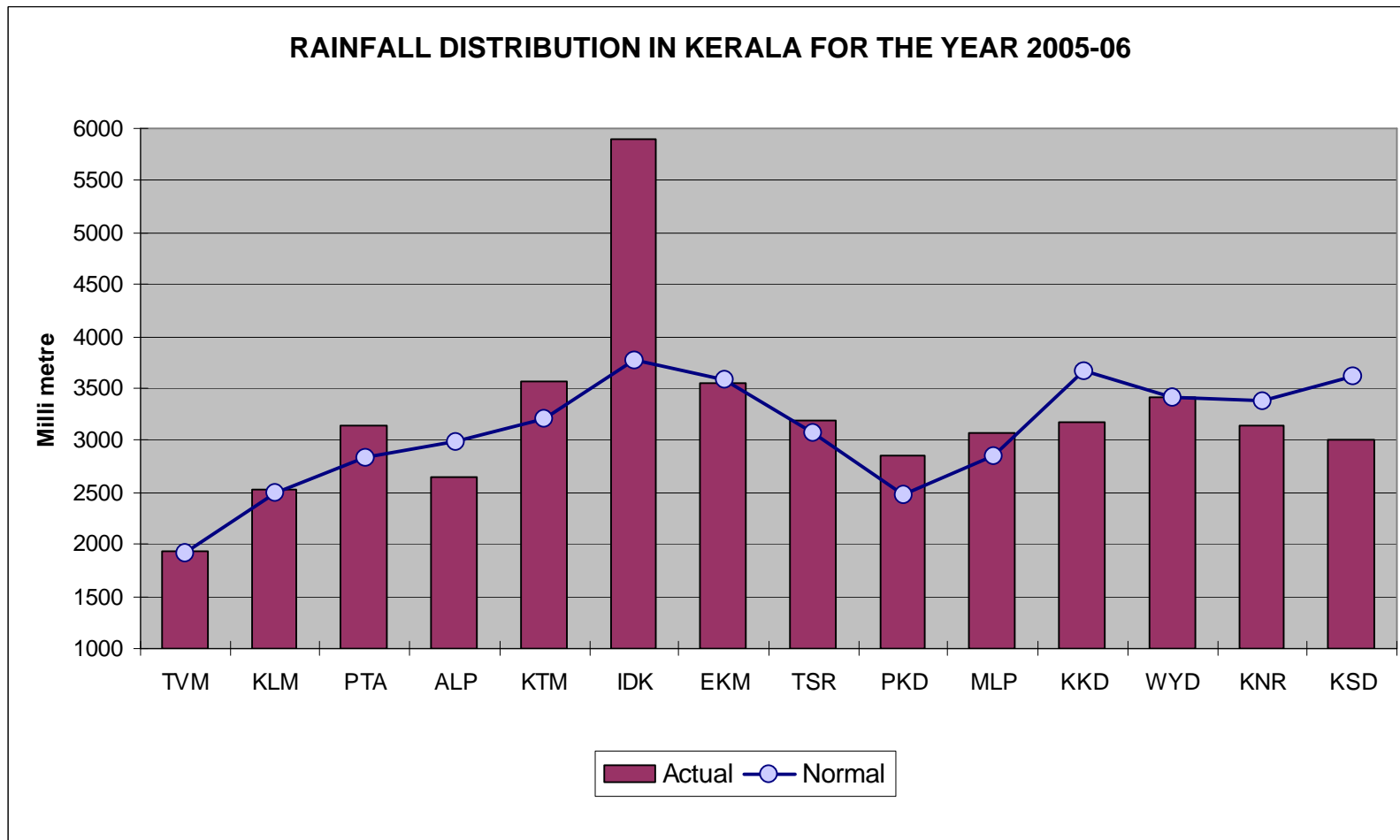


TABLE-12
AVERAGE FARM WHOLESALE PRICES OF IMPORTANT CROPS IN KERALA FOR THE YEAR 2005-06

In Rupees

Sl. No.	Item	Unit	2005						2006					
			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.	605	602	589	581	652	612	600	611	618	622	624	632
2	Pepper	Qtl.	5345	5510	5568	5613	5896	6279	5963	6284	6385	6355	6255	6304
3	Ginger (Dry)	Qtl.	9135	8718	9534	9123	9027	7379	5680	4837	4169	3965	3810	3975
4	Ginger	Qtl.							1383	1296	1210	1195	1229	1313
5	Turmeric	Qtl.	2953	3147	3441	3225	3410	3290	3921	4236	4083	3924	3800	3614
6	Banana	Qtl.	1133	1368	1519	1274	1077	1098	1118	1193	1230	1280	1252	1431
7	Plantain	Qtl.	599	655	727	706	658	646	646	645	617	614	586	628
8	Cashew	Qtl.							3200	3193	3204	3109	2475	2215
9	Tapioca	Qtl.	411	420	421	429	436	441	434	435	435	447	445	439
10	Mango (Raw)	Qtl.	470	700			650	1317	1628	1127	708	599	529	503
11	Coconut with Husk	100 nos.	539	523	511	495	506	510	494	488	480	473	465	456
12	Arecanut	100 nos.	46	41	40	39	37	35	34	36	42	49	60	66

TABLE - 13
COST OF CULTIVATION PER HECTARE OF FEW IMPORTANT CROPS DURING THE YEAR 2004-05

Sl. No	Components of cost	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	9542	9663	9976	10980	15265	18696	28647	10859	18954	17708
2	Animal labour	379	384	414	31	0	13	5	-	-	-
3	Machine labour	2161	2292	2803	444	1152	354	949	55	233	151
4	Seed/Seedlings	1125	1239	1051	132	24	1044	10935	65	13858	9159
5	Farmyard manure & Chemical fertilizers	2900	2629	2618	5659	8926	7416	25367	3273	19375	5254
6	Plant protection	347	561	724	44	211	107	1118	35	452	24
7	Land tax & irrigation cess	60	136	351	80	129	77	970	68	64	95
8	Repair & Maintenance charges of implements, machinery & buildings	330	302	410	346	500	215	327	253	211	106
9	Interest on working capital	878	892	1068	1729	2661	3008	6702	1470	5287	3270
10	Other expenses	1113	1072	3739	1014	1035	2453	-	412	-	411
11	Interest on fixed capital	1024	729	723	1513	1734	1500	1424	1850	1194	1060
12	Imputed value of household labour	1204	987	1334	1647	4019	4785	13046	2098	1607	2353
13	Total Cost	21063	20886	25211	23619	35656	39668	89490	20438	61235	39591
14	Value of output received (Rs./Ha)	25018	23317	25921	36456	45392	53650	117529	26042	61356	42242

TABLE-14
DISTRICT INCOME PORTION OF MAJOR AGRICULTURE CROPS FOR THE YEAR 2003-04

Unit Rupees In lakhs

Sl. No.	District	Paddy	Coconut	Rubber	Pepper	Tapioca	Cardamom	Banana	Ginger	Cashew nut	Tea	Arecanut	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Thiruvananthapuram	1193	30747	17781	1130	17051	0	2638	114	246	12	218	71130
2	Kollam	2177	27306	24540	2228	19471	0	1385	658	902	16	614	79297
3	Pathanamthitta	1324	7938	33978	911	7311	0	2327	835	182	0	574	55380
4	Alappuzha	6943	18190	2470	120	3440	0	438	0	383	0	435	32419
5	Kottayam	2888	14040	76766	1222	8430	0	4059	436	61	6	560	108468
6	Idukki	884	6449	24151	24648	10257	27207	1580	2560	158	2221	1618	101733
7	Ernakulam	5544	19127	39336	736	6110	0	6073	655	145	0	1697	79423
8	Thrissur	8340	33117	10822	697	1005	0	2260	86	511	72	3234	60144
9	Palakkad	21725	19874	20425	593	3217	0	7862	1901	641	110	2944	79292
10	Malappuram	3642	39983	19535	690	7383	0	7899	347	1258	0	7114	87851
11	Kozhikode	861	51815	12033	1202	4145	0	1934	289	638	0	6371	79288
12	Wayanad	2939	2853	3120	9206	3583	1248	7855	13733	237	356	1865	46995
13	Kannur	1737	31999	25275	2773	3561	0	2317	368	7760	0	6538	82328
14	Kasaragod	1335	35699	14883	1432	767	0	863	348	6397	0	13162	74886
STATE		61532	339137	325115	47588	95731	28455	49490	22330	19519	2793	46944	1038634

