



GOVERNMENT OF KERALA

**CONSOLIDATED RESULTS OF  
CROP ESTIMATION SURVEYS**

**1984-85 AND 1985-86**

**DEPARTMENT OF  
ECONOMICS & STATISTICS  
TRIVANDRUM**

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## FOREWORD

This report on the consolidated results of crop estimation surveys relates to the period 1984-85 and 1985-86. The methodology employed in cropcutting experiments on major crops viz. Paddy, Tapioca, Coconut, Arecanut, Cashew, Pepper and minor crops selected for the years (1984-85 and 1985-86) is briefly described in this. The minor crops selected for crop cutting experiments during the period under review are sweet potato, ginger and sesamum in 1984-85 and nutmeg, sesamum, turmeric, banana and groundnut in 1985-86.

The report was prepared in the Agricultural Statistics Division of the Department.

Trivandrum,  
-5-1987.

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# CONSOLIDATED RESULTS OF CROP ESTIMATION

## SURVEYS 1984-85 AND 1985-86

### 1. Introduction

Crop estimation surveys on paddy and tapioca were being conducted regularly in the State even before the introduction of the scheme "Establishment of an Agency for reporting Agricultural Statistics in Kerala". During 1976-77, these surveys were extended to four other important crops viz. coconut, arecanut, cashew and pepper and they were being conducted on regular basis. Crop cutting experiments on minor crops were also being conducted from 1977-78 onwards covering four crops every year. This report gives a brief review of the crop estimation surveys conducted during 1984-85 and 1985-86.

### 2. Objective

The primary objectives of the survey were to obtain (1) estimates of average yield per hectare of paddy at taluk level and (2) estimates of average yield of other crops at the district level with reasonable precision. The Average yield obtained through these surveys were also used for estimating the out-turn of these crops in the State.

### 3. Coverage

The yield estimation surveys were designed to cover the whole state except forest area.

The table below gives the number of taluks where the surveys were planned and the number of taluks where they were actually conducted for the year 1984-85 and 1985-86.

Sl. No.	Crop	1984-85		1985-86		
		No. of Taluks where the surveys were		No. of Taluks where the surveys were		
		Planned	Analysed	Planned	Analysed	
1.	Paddy : Autumn	..	55	53	61	55
	Winter	..	60	60	60	60
	Summer	..	50	50	56	56
2.	Tapioca	..	55	55	57	57
3.	Coconut	..	59	59	60	60
4.	Arecanut	..	48	48	48	48
5.	Cashewnut	..	40	40	37	37

Sl. Nos	Crop	1984-85		1985-86		
		No. of Taluks where the surveys were		No. of Taluks where the surveys were		
		Planned	Analysed	Planned	Analysed	
6.	Pepper	..	49	46	47	47
7.	Cocoa	..	41	40	48	47
8.	Nutmeg	..	..	..	20	19
9.	Sweet potato	..	18	18	..	..
10.	Ginger	..	36	34	..	..
11.	Sesamum	..	21	21	33	33
12.	Turmeric	..	..	..	40	40
13.	Banana	..	..	..	51	51
14.	Groundnut	..	..	..	4	4

#### 4. Design

The Survey started with locating and marking of plot of specified size in the case of paddy, tapioca, sweet potato, ginger, sesamum, turmeric and groundnut, locating and marking of trees/standards/Plants in the case of other crops using random sampling method. The produce at harvest was weighed or counted as the case may be and recorded in the prescribed pro forma together with other relevant details.

##### 4.1. Paddy

A stratified multistage random sampling design was adopted for the survey. During each season viz. Autumn, Winter and Summer Crop cutting experiments on paddy were conducted separately, in the villages selected for Timely Reporting Survey in each taluk. The taluk was treated as stratum, revenue village as first stage unit, a survey subdivision number as the second stage unit and a square plot of side 5 meters as the ultimate sampling unit. The produce of the plot was harvested, threshed, winnowed and weight of produce taken. Driage ratio was determined by processing sample grains taken from a sub sample plot.

##### 4.2. Tapioca

The required number of plots were selected from the list of wet and dry plots. The plots were visited to ascertain its suitability for conducting the experiment. In certain cases, where the plot was found not suitable for conducting the experiment the next plot was visited, until a suitable plot is identified. Where the selected plot contained more than one patch, one patch was selected by random sampling method. An area of  $2 \times 2$  sq. meters was fixed for conducting

the experiment. All tapioca plants inside the square plot were harvested, the produce cleaned by removing the soil sticking to the tuber and then the weight of the produce recorded.

#### 4.3. Sweet Potato, Ginger, Sesamum, Turmeric, Groundnut

The required number of plots will be selected from the list of dryland plots in the case of ginger, turmeric and groundnut and from the frame of wet land plots in the case of sesamum and sweet potato. As in the case of other crops, suitable plot is selected proceeding by the order of plots in the list used for selection. The experimental plot will be of size  $2 \times 2$  m for sweet potato, ginger and turmeric and of size  $5 \times 5$  m for groundnut and sesamum.

If the selected plot has more than one patch, a patch may be selected at random. From the south west corner of the selected plot/patch, side x towards east and side y perpendicular to x towards north are measured. Two random numbers less than or equal to X and Y respectively are taken. With the help of the random numbers the south west corner of the experimental plot is located.

The produce from the experimental plot is harvested and the cleared produce is weighed and the weight is recorded correct to half a kg. in the case of ginger, turmeric, sweet potato and groundnut. In the case of sesamum, weight of the grain is ascertained to the nearest 10 gm. unit.

#### 4.4. Coconut, arecanut, cashew, pepper, cocoa, nutmeg and banana

The required number of plots were selected from the list of dry land plots for each crop by simple random method. The plots were visited to ascertain its suitability for conducting the experiment i.e. to see if it contained the required number of trees/standards. From each selected plot the required number of bearing trees/standards were randomly selected for the experiment. For coconut, arecanut, cashew, pepper, cocoa and nutmeg five trees were selected; while in respect of banana only 3 plants were selected. The details of produce harvested were recorded in the prescribed pro forma.

### 5. Sample Size

Total number of crop cutting experiment planned during the years 1984-85 and 1985-86 are given below:

Sl. No.	Crop		1984-85	1985-86
1.	Paddy :	Autumn	.. 1520	1554
		Winter	.. 1558	1634
		Summer	.. 1007	1190
2.	Tapioca	..	1102	1273

<i>Sl. No.</i>	<i>Crop</i>		1984-85	1985-86
3.	Coconut	..	541	650
4.	Arecannt	..	420	438
5.	Cashew	..	398	396
6.	Pepper	..	384	468
7.	Cocoa	..	300	250
8.	Nutmeg	..	..	74
9.	Sweet Potato	..	170	..
10.	Ginger	..	315	..
11.	Sesamum	..	260	127
12.	Turmeric	..	..	160
13.	Banana	..	..	264
14.	Groundnut	..	..	40

### 6. Field work

The field work of the surveys comprising of selection of fields, identification of selected field, location and marking of plot or trees for the experiments, recording the weight/number of nuts of the harvested produce etc. were done by the investigators of the department under the supervision of the Taluk Statistical Inspectors and District level officers.

The planning of the survey and statistical analysis of the data, collected were done at the headquarters of the Department.

### 7. Training

Training was imparted to officers at Taluk and district levels. The officers from the National Sample Survey Organisation also participated in these conferences. Taluk level training programmes were also organised by the district level officers.

### 8. Response

The number of experiments planned, analysed and the percentage response in respect of paddy during the three seasons in each district is given in Table 1-1 and 1-2 in the appendix. Details regarding the number of experiments planned and analysed in respect of all other crops for the year 1984-85 and 1985-86 are shown in Table 6 to 18.

### 9. Supervision

The field work of the investigators was supervised by the Statistical Inspectors at Taluk level. District level officers also conducted inspections. All inspecting officers at District level had to conduct harvest stage inspection at the rate of one experiment in each taluk in the case of paddy while the Taluk level Supervisors had to supervise one randomly selected experiment in each investigator unit subject to a

minimum of six experiments in a taluk in each season. In the case of tapioca, the District level officers had to conduct inspection at the rate of three experiments in a District while the Taluk Statistical Inspectors had to inspect five experiments or 50 per cent of the experiments planned in a taluk, which ever is less. Apart from these inspections at pre-harvest and post harvest stage were done by the Statistical Inspectors and District Officers.

### 10. Results

Estimates of mean yield of dry paddy based on harvest stage inspection during the three seasons of 1984-85 and 1985-86 are given in table 2.1 and 2.2 in the appendix.

The estimated mean yield of dry paddy, the percentage sampling error and the total production of rice during the three Seasons for the year 1984-85 and 1985-86 are shown in table 3.1 and 3.2 in the appendix.

The details showing the drriage ratio of paddy and percentage area under different agricultural practices during the years 1984-85 and 1985-86 for Autumn, Winter and Summer are given in tables 4, 5.11, 5.12, 5.13, 5.21, 5.22 and 5.23 respectively.

The estimated mean yield rates of tapioca, coconut, arecanut, cashew, pepper, cocoa, nutmeg, sweet potato, ginger, Sesamum, Turmeric, Banana and Groundnut are given in tables 6 to 18 in the appendix.



TABLE 1.1

## Coverage Sample Size and Response

Crop: Paddy

Year: 1984-85

District	Autumn 1984			Winter 1985			Summer 1985			Total 1984-85		
	No. of experiments			No. of experiments			No. of experiments			No. of experiments		
	Planned	Analysed	Percentage Response	Planned	Analysed	Percentage Response	Planned	Analysed	Percentage Response	Planned	Analysed	Percentage Response
1	2	3	4	5	6	7	8	9	10	11	12	13
Trivandrum	120	113	94	120	118	98	48	46	96	288	277	96
Quilon	155	152	98	132	132	100	23	23	100	310	307	99
Pathanamthitta	44	41	93	50	49	98	39	38	97	133	128	96
Alleppey	154	138	90	154	145	94	116	107	92	424	390	92
Kottayam	100	97	97	96	89	93	84	82	98	280	268	96
Idukki	36	34	94	53	51	96	5	5	100	94	90	96
Ernakulam	220	213	97	200	199	100	148	148	100	568	560	99
Trichur	137	122	89	145	127	88	114	106	93	396	355	90
Palghat	160	149	93	160	149	93	68	65	96	388	363	94
Malappuram	135	128	95	120	112	93	80	74	93	335	314	94
Kozhikode	84	77	92	84	78	93	62	57	92	230	212	92
Wayanad	175	172	98	90	90	100	78	76	97	168	166	99
Cannanore	..	..	..	154	153	99	142	139	98	471	464	99
State	1520	1436	94	1558	1492	96	1007	966	96	4085	3894	95

TABLE 1.2  
Coverage Sample Size and Response

Crop : Paddy

Year : 1985-86

District	Autumn 1985			Winter 1986			Summer 1986			Total 1985-86		
	No. of Experiments			No. of Experiments			No. of Experiments			No. of Experiments		
	Planned	Analysed	Percentage Response	Planned	Analysed	Percentage Response	Planned	Analysed	Percentage Response	Planned	Analysed	Percentage Response
1	2	3	4	5	6	7	8	9	10	11	12	13
Trivandrum	120	113	94	120	112	93	64	60	94	304	285	94
Quilon	145	123	85	140	138	99	64	45	70	349	306	88
Pathanamthitta	68	64	94	70	70	100	84	69	82	222	203	91
Alleppey	164	144	88	164	151	92	114	103	90	442	398	90
Kottayam	110	109	99	110	108	98	92	90	98	312	307	98
Idukki	36	34	94	77	77	100	48	15	31	161	126	78
Ernakulam	220	220	100	200	200	100	148	147	99	568	567	100
Trichur	137	130	95	145	133	92	120	111	93	402	374	93
Palgat	160	158	99	160	158	99	92	84	91	412	400	97
Malappuram	135	134	99	120	115	96	84	84	100	339	333	98
Kozhikode	84	80	95	84	80	95	66	57	86	234	217	93
Wayanad	175	175	100	90	89	99	72	72	100	162	161	99
Cannanore	175	175	100	154	152	99	142	142	100	471	469	100
State	1554	1484	95	1634	1583	97	1190	1079	91	4378	4146	95

TABLE 2.1  
Supervision of field work—Rice—Independent estimate of meanyield of paddy based on harvest  
stage inspection 1984-85

District/State	Season	No. of experiments		Meanyield rate of paddy Kg. Hect.		
		Planned for inspection at harvest stage	Inspected at harvest stage	Before drriage	After drriage	Drriage ratio used
1	2	3	4	5	6	7
Trivandrum	Autumn	60	55	3166	2830	.894
	Winter	60	58	2540	2266	.892
	Summer	24	19	1259	1103	.876
Quilon	Autumn	78	82	2151	1899	.883
	Winter	66	88	3031	2634	.869
	Summer	12	17	1308	1148	.878
Pathanamthitta	Autumn	22	11	3455	3040	.880
	Winter	25	42	2982	2714	.910
	Summer	20	24	1927	1771	.919
Alleppey	Autumn	77	78	2820	2411	.855
	Winter	77	76	2020	1826	.904
	Summer	58	52	4165	3728	.895
Kottayam	Autumn	50	66	3466	3022	.872
	Winter	48	66	3158	2836	.898
	Summer	42	42	3648	3320	.910
Idukki	Autumn	18	21	3433	3028	.882
	Winter	27	32	4014	3512	.875
	Summer	3	3	3389	3084	.910
Ernakulam	Autumn	110	92	2988	2546	.852
	Winter	100	84	2864	2578	.900
	Summer	74	76	2724	2438	.895

TABLE 2.1—(cont.)

District/State	Season	No. of experiments		Meanyield rate of paddy Kg./Hect.		
		Planned for inspection at harvest stage	Inspected at harvest stage	Before draige	After draige	Driage ratio used
1	2	3	4	5	6	7
Trichur	Autumn	66	41	2352	2107	.896
	Winter	72	50	2303	2121	.921
Palghat	Summer	57	40	2405	2186	.909
	Autumn	80	78	3837	3346	.872
Malappuram	Winter	34	32	3127	2836	.907
	Summer	68	39	1513	1348	.891
Kozhikode	Autumn	60	58	2208	2016	.913
	Winter	40	36	2410	2212	.918
Wayanad	Summer	42	41	1221	1121	.918
	Autumn	42	45	1513	1345	.889
Canmanore	Winter	42	45	2759	2502	.907
	Summer	31	36	3478	3214	.924
State	Autumn	..	..	..	..	..
	Winter	45	29	1995	1891	.948
State	Summer	39	25	3121	2962	.949
	Autumn	87	46	2045	1814	.887
State	Winter	55	55	2102	1944	.925
	Summer	71	47	2536	2351	.927
State	Autumn	758	641	2794	2453	.878
	Winter	779	756	2718	2457	.904
State	Summer	505	449	2819	2557	.907

TABLE 2.2  
Supervision of field work—Rice—Independent estimate of meanyield of paddy based on  
harvest stage inspection 1985-86

District/State	Season	No. of Experiments		Meanyield rate of paddy (kg./hect.)		
		Planned for inspection at harvest stage	Inspected at harvest stage	Before driage	After driage	Driags ratio used
1	2	3	4	5	6	7
Trivandrum	Autumn	60	48	3513	3197	.910
	Winter	60	34	2511	2285	.910
	Summer	32	33	397	353	.889
Quilon	Autumn	73	91	2933	2572	.877
	Winter	70	70	2463	2190	.889
	Summer	32	31	862	770	.893
Pathanamthitta	Autumn	34	51	2508	2305	.919
	Winter	35	33	1715	1547	.902
	Summer	42	35	4411	4036	.915
Alleppey	Autumn	82	46	1794	1568	.874
	Winter	82	88	1743	1607	.922
	Summer	57	42	4661	4223	.906
Kottayam	Autumn	55	44	2477	2182	.881
	Winter	55	47	3121	2803	.898
	Summer	46	43	4543	4157	.915
Idukki	Autumn	18	24	3397	2935	.864
	Winter	38	27	3358	3002	.894
	Summer	24	11	2923	2660	.910
Ernakulam	Autumn	110	91	3109	2658	.855
	Winter	100	100	2985	2719	.911
	Summer	74	30	2996	2693	.899

TABLE 2.2—(cont.)

District/State	Season	No. of Experiments		Mean yield rate of paddy (kg./hect.)		
		Planned for inspection at harvest stage	Inspected at harvest stage	Before drriage	After drriage	Drriage ratio used
1	2	3	4	5	6	7
Trichur	Autumn	62	53	2028	1803	.889
	Winter	73	40	3135	2862	.913
	Summer	60	41	3174	2911	.917
Palghat	Autumn	80	86	3487	2978	.854
	Winter	80	73	3344	2956	.884
	Summer	46	44	2313	2061	.891
Malappuram	Autumn	68	36	2893	2659	.919
	Winter	60	24	2612	2398	.918
	Summer	42	25	3200	2982	.932
Kozhikode	Autumn	42	45	1974	1816	.920
	Winter	42	34	1965	1804	.918
	Summer	33	18	2753	2549	.926
Wayanad	Autumn	..	..	..	..	.917
	Winter	45	20	3104	2846	.917
	Summer	36	25	1931	1856	.961
Cannanore	Autumn	87	52	2632	2295	.872
	Winter	77	47	2848	2575	.904
	Summer	71	47	2378	2235	.942
State	Autumn	777	667	2783	2449	.880
	Winter	817	637	2719	2507	.922
	Summer	595	425	3087	2825	.915

TABLE 3.1  
Yield estimate—Rice—1984-85

Crop: Paddy

District	Season	Area under crop		No. of experiments			Estimated yield in kg./hect. of dry paddy	Sampling errors (per cent)	Total production of rice in tonnes
		Total (hects.)	Coverage (per cent)	Planned	Analysed	Response (per cent)			
1	2	3	4	5	6	7	8	9	10
Trivandrum	Autumn	13491	100	120	113	94	2761	4.17	24470
	Winter	13203	100	120	118	98	2368	3.21	20545
	Summer	326	100	48	46	96	1419	10.78	304
Quilon	Autumn	18997	100	155	152	98	2219	3.88	27693
	Winter	18326	100	132	132	100	2574	2.80	30992
	Summer	240	100	23	23	100	1547	13.77	244
Pathanamthitta	Autumn	7994	100	44	41	93	2801	2.25	13607
	Winter	6549	100	50	49	98	2842	4.36	12227
	Summer	3496	100	39	38	97	4391	4.36	10086
Alleppey	Autumn	32756	100	154	154	90	2866	2.41	61687
	Winter	15984	100	154	145	94	2057	5.30	21606
	Summer	24870	100	116	107	92	3502	4.20	5721
Kottayam	Autumn	11559	100	100	97	97	3295	4.86	25021
	Winter	14615	100	96	89	93	2818	4.12	27056
	Summer	5816	100	84	82	98	3793	5.88	14495
Idukki	Autumn	3525	100	36	34	94	3071	3.06	7112
	Winter	4590	100	53	51	96	3160	2.97	9530
	Summer	360	100	5	5	100	3353	10.95	793
Ernakulam	Autumn	36090	100	220	213	97	2573	2.33	62011
	Winter	38422	100	200	199	100	2554	2.43	64482
	Summer	14071	100	148	148	100	2456	3.79	22706

TABLE 3.1—(cont.)

District	Season	Area under crop		No. of experiments			Estimated yield in kg./hect. of dry paddy	Sampling errors (per cent)	Total production of rice in tonnes
		Total (in bects.)	Coverage (per cent)	Planned	Analysed	Response (per cent)			
1	2	3	4	5	6	7	8	9	10
Trichur	Autumn	35576	100	137	122	89	1823	6.03	42606
	Winter	49705	100	145	127	88	2261	4.11	73828
Palghat	Summer	17259	100	114	106	93	2729	8.39	30947
	Autumn	86339	100	160	149	93	3455	3.33	196006
Malappuram	Winter	78006	100	160	149	93	2957	3.62	151524
	Summer	1967	100	68	65	96	2275	4.22	2940
Kozhikode	Autumn	32251	100	135	128	95	1945	3.44	41216
	Winter	35861	100	120	112	93	2164	3.37	50974
Wayanad	Summer	5073	100	80	74	93	2557	7.47	8522
	Autumn	7439	100	84	77	92	1259	7.39	6152
Cannanore	Winter	11432	100	84	78	93	1861	5.27	13977
	Summer	2474	100	62	57	92	2319	5.61	3769
State	Autumn	31811	100	1520	1436	94	2623	1.45	549027
	Winter	326812	100	1558	1492	96	2514	1.35	539859
	Summer	84956	100	1007	966	96	2993	2.27	167050



TABLE 3.2  
Yield estimate—RICE—1985-86

Crop Paddy

District	Season	Area under crop		No. of experiments			Estimated yield of dry paddy (kg./hect.)	Sampling error (per cent)	Total production of rice in tonnes
		Total (hects.)	Coverage (per cent)	Planned	Analysed	Response (Per cent)			
1	2	3	4	5	6	7	8	9	10
Trivandrum	Autumn	12875	100	120	113	94	3188	2.95	26965
	Winter	13167	100	120	112	93	2290	2.62	19803
	Summer	310	100	64	60	94	1645	8.94	335
Quilon	Autumn	16667	100	145	123	85	2833	3.53	31024
	Winter	17920	100	140	138	99	2510	2.63	29551
	Summer	207	100	64	45	70	1912	7.69	260
Pathanamthitta	Autumn	5090	100	68	64	94	2167	6.65	7248
	Winter	6507	100	70	70	100	2861	6.40	12231
	Summer	2901	100	84	69	82	4321	4.19	8236
Alleppey	Autumn	13531	100	164	144	88	1492	6.23	13261
	Winter	17075	100	164	151	92	2620	3.36	29388
	Summer	25439	100	114	103	90	4148	3.62	69322
Kottayam	Autumn	10384	100	110	109	99	1881	4.31	12831
	Winter	15240	100	110	108	98	2717	3.28	2701
	Summer	6260	100	92	90	98	4394	3.82	18072
Idukki	Autumn	3431	100	36	34	94	3049	7.58	6872
	Winter	4447	100	77	77	100	3172	2.71	9267
	Summer	373	100	48	15	31	2881	16.77	706
Ernakulam	Autumn	34420	100	220	220	100	2625	2.17	59352
	Winter	35483	100	200	200	100	2565	2.07	59785
	Summer	14901	100	148	147	99	2413	2.28	23619

TABLE 3.2—(cont.)

District	Season	Area under crop		No. of experiments			Estimated yield of dry paddy (kg./hect.)	Sampling error (per cent)	Total production of rice in tonnes
		Total (hects.)	Coverage (per cent)	Planned	Analysed	Response (Per cent)			
1	2	3	4	5	6	7	8	9	10
Trichur	Autumn	32362	100	137	130	95	1951	4.41	41482
	Winter	45671	100	145	133	92	2542	2.86	76281
	Summer	17182	100	120	111	93	3027	4.59	34173
Palghat	Autumn	84957	100	160	158	99	3058	3.14	170701
	Winter	73950	100	160	158	99	2750	3.93	133622
	Summer	1948	100	92	84	91	2076	8.96	2657
Malappuram	Autumn	28581	100	135	134	99	1906	3.20	35796
	Winter	32089	100	120	115	96	2248	3.60	47384
	Summer	4792	100	84	84	100	3137	5.04	9876
Kozhikode	Autumn	5504	100	84	80	95	1661	6.56	6005
	Winter	10893	100	84	80	95	1886	1.59	13499
	Summer	2353	100	66	57	86	1869	6.58	2890
Wynad	Autumn	7	100	..	..	..	1377	..	6
	Winter	24648	100	90	89	99	2722	4.52	44077
	Summer	6112	100	72	72	100	2669	6.63	10717
Cannanore	Autumn	31890	100	175	175	100	2408	3.07	50449
	Winter	16333	100	154	152	99	2319	3.06	24889
	Summer	2381	100	142	142	100	2055	2.82	3215
State	Autumn	279699	100	1554	1484	95	2514	1.39	461992
	Winter	313423	100	1634	1583	97	2559	1.29	52981
	Summer	85159	100	1190	1079	91	3290	1.91	184078

TABLE 4  
Data on dridge percentage recovery of final produce (dry paddy) from harvested production  
1984-85 and 1985-86

District	Season	Dridge experiments					
		1984-85			1985-86		
		No. of experiments planned	No. of experiments analysed	Dridge ratio per cent	No. of experiments planned	No. of experiments analysed	Dridge ratio per cent
1	2	3	4	5	6	7	8
Trivandrum	Autumn	12	12	89.40	12	12	90.97
	Winter	12	12	89.20	12	12	91.00
	Summer	11	11	87.60	12	12	88.90
Quilon	Autumn	18	18	88.30	12	12	87.73
	Winter	15	15	86.90	18	18	88.91
	Summer	7	7	87.80	10	10	89.30
Pathanamthitta	Autumn	9	9	87.16	14	14	88.49
	Winter	14	14	91.00	15	15	92.21
	Summer	11	11	91.90	16	16	92.70
Alleppey	Autumn	18	18	85.50	18	18	87.98
	Winter	18	18	90.40	20	20	90.21
	Summer	16	16	89.50	15	15	90.60
Kottayam	Autumn	14	14	87.20	15	15	87.89
	Winter	15	15	89.80	15	15	89.50
	Summer	11	11	91.00	11	11	91.50
Idukki	Autumn	6	6	88.20	6	6	86.40
	Winter	12	12	87.50	12	12	89.40
	Summer	2	2	91.00	2	2	91.00
Ernakulam	Autumn	21	21	85.20	26	26	85.54
	Winter	18	18	90.00	18	18	91.10
	Summer	20	20	89.50	20	20	89.90

TABLE 4—(cont.)

District	Season	Driage experiments					
		1984-85			1985-86		
		No. of experiments planned	No. of experiments analysed	Driage ratio per cent	No. of experiments planned	No. of experiments analysed	Driage ratio per cent
1	2	3	4	5	6	7	8
Trichur	Autumn	15	15	89.60	15	15	88.91
	Winter	14	14	92.10	15	15	91.30
	Summer	15	15	90.70	15	15	91.70
Palghat	Autumn	15	15	87.20	15	15	85.39
	Winter	15	15	90.70	15	15	88.30
	Summer	12	12	89.10	15	15	89.10
Malappuram	Autumn	12	12	91.30	12	12	91.87
	Winter	12	12	91.80	12	12	91.80
	Summer	12	12	91.60	12	12	93.20
Kozhikode	Autumn	9	9	88.90	9	9	92.00
	Winter	9	9	90.70	9	9	91.80
	Summer	9	9	92.40	9	9	96.10
Wayanad	Autumn	..	..	..	..	..	..
	Winter	9	9	94.80	9	9	94.70
	Summer	9	9	94.90	9	9	96.10
Cannanore	Autumn	15	15	88.70	16	16	87.23
	Winter	15	15	92.50	16	16	90.41
	Summer	16	16	92.70	16	16	94.20
State	Autumn	164	164	87.80	170	170	87.98
	Winter	178	178	90.40	186	186	90.60
	Summer	151	151	90.70	162	162	91.50

TABLE 5.1.1  
 Crop estimation survey 1984-85—Statement showing the percentage area under different  
 improved agricultural practices  
 Crop: Paddy  
 Autumn: 1984

District	Percentage area under *									Remarks
	2	3	4	5	6	7	8	9		
Trivandrum	28.32	71.68	100.00	3.29	..	69.91	30.09	9	Untreated with insecticides	
Quilon	57.89	42.11	96.71	..	..	57.89	42.11	8	Untreated with insecticides	
Pathanamthitta	51.22	48.78	97.56	6.52	2.44	56.10	43.90	7	Treated with pesticides/insecticides	
Alleppey	57.25	42.75	83.34	6.19	10.14	45.65	54.35	6	Not manured	
Kottayam	79.38	20.62	91.75	6.57	2.06	74.23	25.77	5	Other manures	
Idukki	41.18	58.82	100.00	6.57	..	64.71	35.29	4	Chemical fertilizers	
Ernakulam	51.64	48.36	80.75	45.08	12.68	63.85	36.15	3	Other varieties	
Trichur	15.57	84.43	30.33	16.78	24.59	28.69	71.31	2	Improved varieties	
Palghat	37.58	62.42	79.19	33.59	4.03	32.21	67.79	1	Remarks	
Malappuram	13.28	86.72	57.03	33.59	9.38	39.06	60.94	..	..	
Kozhikode	29.87	70.13	54.54	42.86	2.60	29.87	70.13	..	..	
Wayanad	27.33	72.67	61.05	28.49	10.46	13.37	86.63	..	..	
Cannanore	..	..	..	..	..	..	..	..	..	
State	40.60	59.40	75.56	16.64	7.80	46.10	53.90	..	..	

\*Based on the number of crop cutting experimental plots

TABLE 5.1.2

Crop estimation survey 1984-85—Statement showing the percentage area under different improved agricultural practices

Winter: 1985

Crop: Paddy

District	Percentage area under *								
	1	2	3	4	5	6	7	8	9
	Improved varieties	Other varieties	Chemical fertilizers	Other manures	Not manured	Treated with pesticides/insecticides	Untreated with pesticides	Remarks	
Trivandrum	..	74.58	100.00	..	1.52	58.47	41.53		
Quilon	..	81.82	95.45	3.03	1.52	48.48	51.52		
Pathanamthitta	..	48.98	95.92	4.08	3.03	63.27	36.73		
Alleppey	..	15.17	84.83	3.45	1.38	46.21	53.79		
Kottayam	..	68.54	31.46	98.88	1.12	88.76	11.24		
Idukki	..	31.37	68.63	90.20	3.92	56.86	43.14		
Ernakulam	..	13.07	86.93	89.95	7.54	78.39	21.61		
Trichur	..	16.54	83.46	64.57	3.15	48.03	51.97		
Palghat	..	24.83	75.17	85.23	32.28	34.90	65.10		
Malappuram	..	16.07	83.93	78.57	3.36	61.61	38.39		
Kozhikode	..	11.54	88.46	65.56	1.79	24.44	75.56		
Wynad	..	37.78	62.22	50.00	17.95	44.87	55.13		
Cannanore	..	23.53	76.47	82.35	13.73	63.40	36.60		
State	..	24.06	75.94	84.65	11.80	55.70	44.30		

\* Based on the number of crop cutting experimental plots

TABLE 5.1.3  
Crop estimation survey 1984-85—Statement showing the percentage area under different improved  
agricultural practices

Crop: Paddy

Summer: 1985

District	Percentage area under *								
	1	2	3	4	5	6	7	8	9
	Improved varieties	Others varieties	Chemical fertilizers	Others manures	Not manured	Treated with pesticides/insecticides	Untreated with pesticides	Remarks	
Trivandrum	60.87	39.13	93.48	..	6.52	76.09	23.91		
Quilon	4.35	95.65	72.61	..	17.39	73.91	26.09		
Pathanamthitta	36.84	63.16	100.00	..	..	89.47	10.53		
Alleppey	66.36	33.64	98.14	0.93	0.83	93.46	6.54		
Kottayam	68.29	31.71	100.00	..	..	100.00	..		
Idukki	80.00	20.00	100.00	..	..	100.00	..		
Ernakulam	25.63	74.32	97.97	2.03	..	81.76	18.24		
Trichur	46.23	53.77	83.96	14.15	1.89	77.36	22.64		
Palghat	29.08	76.92	53.85	40.00	6.15	61.54	38.46		
Malappuram	51.35	48.65	36.49	10.81	2.70	78.38	21.62		
Kozhikode	77.19	22.81	91.23	3.51	5.26	77.19	22.81		
Wayanad	48.68	51.32	88.16	2.26	6.58	45.07	54.93		
Cannanore	25.18	74.82	82.01	17.27	0.72	58.99	41.01		
State	44.51	55.49	88.82	8.59	2.59	76.29	23.71		

\*Based on the number of crop cutting experimental plots

TABLE 5.2.1  
Crop estimation survey 1985-86—Statement showing the percentage area under different improved  
agricultural practices

Crop: Paddy

Autumn: 1985

District	Percentage area under*									Remarks
	1	2	3	4	5	6	7	8	9	
	Improved varieties	Other varieties	Chemical fertilizers	Other manures	Not manured	Treatment of pesticides/insecticides	Untreated with pesticides			
Trivandrum	30.97	69.03	100.00	8.13	1.63	39.82	60.18			
Quilon	64.22	35.77	90.24	8.13	1.63	33.33	66.67			
Pathanamthitta	71.88	28.12	100.00	19.44	7.64	71.88	28.22			
Alleppey	30.56	69.44	72.92	19.44	7.64	51.39	48.61			
Kottayam	61.47	38.53	99.08	2.94	0.92	57.80	42.20			
Idukki	23.53	76.47	97.06	2.94	0.92	58.82	41.18			
Ernakulam	34.09	65.91	73.64	3.27	24.09	21.82	78.18			
Trichur	24.62	75.38	66.92	24.62	8.46	62.31	37.69			
Palghat	25.32	74.68	80.38	13.29	6.33	21.52	78.48			
Malappuram	23.88	76.12	67.91	20.90	11.19	29.85	70.15			
Kozhikode	20.00	80.00	57.50	27.50	15.00	16.25	83.75			
Wayanad	37.14	62.86	57.71	35.43	6.86	30.86	69.14			
Cannanore	37.14	62.86	57.71	35.43	6.86	30.86	69.14			
State	36.32	63.68	77.29	14.15	8.56	44.41	55.59			

\*Based on the number of crop cutting experimental plots.



TABLE 5.2.2  
Crop Estimation Survey 1985-86—Statement showing the percentage area under different improved agricultural practices

Crop: Paddy

Winter: 1986

District	Percentage area under*						Treatment of pesticides/ insecticides	8	9	Remarks
	2	3	4	5	6	7				
Trivandrum	15.18	84.82	99.11		0.89	54.46	45.54			
Quilon	10.14	89.86	94.93		2.17	31.16	68.84			
Pathanamthitta	51.43	48.57	100.00	2.90		61.43	38.57			
Alleppey	21.19	78.81	69.54	21.85	8.61	47.02	52.98			
Kottayam	65.74	34.26	94.44	1.85	3.71	90.74	9.26			
Idukki	27.27	72.73	67.53	19.48	12.99	70.13	29.87			
Ernakulam	12.00	88.00	95.50	2.50	2.00	62.00	38.00			
Trichur	15.79	84.21	84.21	9.77	6.02	69.99	30.08			
Palghat	23.42	76.58	86.71	8.86	4.43	49.37	50.63			
Malappuram	8.70	91.30	66.96	32.17	0.87	48.70	51.30			
Kozhikode	5.00	95.00	62.50	20.00	17.50	26.25	73.75			
Wynad	22.47	77.53	67.42	26.97	5.61	25.84	74.16			
Cannanore	31.58	68.42	84.21	11.84	3.95	72.37	27.63			
State	22.43	77.57	83.77	11.43	4.80	55.27	44.73			

\* Based on the number of crop cutting experimental plots.

TABLE 5.2.3  
 Crop Estimation Survey 1985-86—Statement showing the percentage area under different improved agricultural practices

Summer: 1986

District	Percentage area under*						Treatment of pesticides/ Insecticides	Untreated with pesticides	Remarks
	2	3	4	5	6	7			
	Improved varieties	Other varieties	Chemical fertilizers	Other manures	Not manured				
1	2	3	4	5	6	7	8	9	
Trivandrum	35.00	65.00	100.00	..	..	96.67	3.33		
Quilon	2.22	97.78	82.22	8.89	8.89	100.00	..		
Fathanamthitta	66.67	33.33	100.00	..	..	99.03	0.97		
Alleppey	71.84	28.16	100.00	1.11	..	100.00	..		
Kottayam	63.33	36.67	98.89	20.00	6.67	93.33	6.67		
Idukki	33.33	66.67	73.33	1.36	1.36	77.55	22.45		
Ernakulam	23.81	76.19	97.28	0.90	1.36	87.39	12.61		
Trichur	48.65	51.35	99.10	0.90	8.34	60.71	39.29		
Palghat	17.86	82.14	86.90	4.76	2.38	88.10	11.90		
Malappuram	41.67	58.33	90.48	7.14	1.75	56.14	43.86		
Kozhikode	61.40	38.60	82.46	15.79	12.50	23.61	76.39		
Wayanad	36.11	63.89	66.67	20.83	2.81	41.55	58.45		
Cannanore	23.24	76.76	85.92	11.27	2.81	..	..		
State	40.50	59.50	91.57	5.65	2.78	76.18	23.82		

\* Based on the number of crop cutting experimental plots.

TABLE 6  
Yield estimates—Tapioca 1984-85 and 1985-86

District	1984-85				1985-86		
	Number of experiments		Estimated mean yield per hectare (tonnes)	Number of experiments		Estimated mean yield per hectare (tonnes)	
	Planned	Analysed		Planned	Analysed		
I	2	3	4	5	6	7	
Trivandrum	110	110	15.42	126	124	15.08	
Quilon	99	99	16.96	116	116	13.68	
Pathanamthitta	71	71	20.15	64	64	21.75	
Alleppey	56	56	14.74	74	62	17.30	
Kottayam	96	96	20.26	108	108	19.78	
Idukki	56	56	19.64	56	56	19.30	
Ernakulam	94	94	19.80	100	98	18.65	
Trichur	85	85	12.97	106	103	11.83	
Palghat	80	80	18.72	90	89	13.28	
Malappuram	100	98	17.38	128	126	13.25	
Kozhikode	80	80	7.69	90	90	11.35	
Wynaad	45	45	23.05	45	45	20.40	
Cannanore	130	130	15.27	100	100	20.41	
Kasargode	..	..	..	70	70	15.75	
State	1102	1100	17.04	1273	1251	16.15	

TABLE 7

Yield estimate—Coconut 1984-85 and 1985-86

District	1984-85				1985-86			
	No. of experiments		Average yield/tree (Nos.)	Estimated mean yield number of nuts/hect.	No. of experiments		Average yield/tree (Nos.)	Estimated mean yield number of nuts/hect.
	Planned	Analysed			Planned	Analysed		
1	2	3	4	5	6	7	8	9
Trivandrum	50	50	45	6345	63	63	35	4655
Quilon	49	49	38	3990	41	41	30	3960
Pathanamthitta	18	18	31	4774	18	17	39	5811
Alleppey	41	41	40	6160	88	88	40	5680
Kottayam	43	42	23	3979	60	60	26	4420
Idukki	20	20	23	2944	23	23	33	4059
Ernakulam	42	42	41	6519	99	99	37	5661
Trichur	46	46	33	4752	59	59	44	6116
Palghat	28	28	28	2996	20	20	38	4104
Malappuram	56	56	29	3103	57	57	29	4031
Kozhikode	72	72	39	6279	57	56	33	5412
Wynad	15	15	15	735	9	9	23	1495
Cannanore	61	61	35	4900	39	39	33	4653
Kasarode	..	..	..	..	17	17	18	2304
State	541	540	34	5022	650	648	33	4792

TABLE 8  
Yield estimates—Arcanaut 1984-85 and 1985-86

District	1984-85						1985-86			Estimated mean of nuts/hect. of
	Number of experiments		Average yield/tree (Nos.)	Estimated mean of nut/hect.	Number of experiments		Average yield/tree (Nos.)			
	Planned	Analysed			Planned	Analysed				
1	2	3	4	5	6	7	8	9		
Trivandrum	25	25	60	115440	25	25	71	122475		
Quilon	22	22	70	117740	25	25	91	149695		
Pathanamthitta	15	15	87	159123	20	20	126	233100		
Alleppey	15	15	52	73632	15	15	81	118643		
Kottayam	25	25	61	107787	25	25	81	198267		
Idukki	10	10	64	97728	10	10	66	120054		
Ernakulam	52	52	106	190164	52	51	142	237708		
Trichur	50	50	94	172678	50	49	105	191310		
Paigat	16	16	100	171500	16	16	103	162019		
Malappuram	48	48	81	138915	58	58	91	158613		
Kozhikode	40	40	120	209880	40	39	123	209715		
Wynad	30	30	132	170148	30	29	154	165242		
Cannanore	72	72	141	199233	40	40	157	214933		
Kasargod	..	..	..	..	32	32	148	199060		
Total	420	420	100	163250	438	434	115	181703		

TABLE 9  
Yield estimate Cashew 1984-85 and 1985-86

District	1984-85						1985-86		
	Number of experiments		Average yield/ tree kg.	Estimated mean yield kg./hect.	Number of experiments		Average yield/ tree kg.	Estimated mean yield kg./hect.	
	Planned	Analysed			Planned	Analysed			
1	2	3	4	5	6	7	8	9	
Trivandrum	21	21	3.131	660.641	21	21	1.882	395.810	
Quilon	21	21	2.140	475.080	23	23	2.817	647.910	
Pathanamthitta	9	9	0.876	205.860	5	5	1.703	391.690	
Alleppey	10	10	1.335	244.305	10	10	1.081	177.284	
Kottayam	5	5	2.374	448.686	5	5	0.704	111.936	
Idukki	5	5	1.130	267.810	5	5	0.997	197.406	
Ernakulam	18	18	1.769	415.715	18	18	2.502	532.926	
Trichur	21	21	1.751	427.244	21	21	1.450	356.110	
Palghat	41	41	1.942	454.428	41	41	2.002	448.448	
Malappuram	75	75	1.525	369.050	75	75	1.694	421.806	
Kozhikode	19	19	1.608	352.152	19	19	2.144	454.528	
Wynad	18	18	1.811	316.925	18	18	1.013	216.782	
Gannanore	135	135	2.599	647.151	75	71	2.682	686.592	
Kasaragod	..	..	..	..	60	60	3.458	843.752	
Total	398	398	2.076	528.222	396	392	2.231	582.250	

TABLE 10  
Yield Estimates—Pepper 1984-85 and 1985-86

District	1984-85						1985-86		
	No. of experi- ments		Average yield/plant (kg.)	Estimated mean yield (kg./hect.)	No. of experi- ments		Average yield/plant (kg.)	Estimated mean yield/ hect. (kg.)	
	Planned	Analysed			Planned	Analysed			
1	2	3	4	5	6	7	8	9	
Trivandrum	23	23	1-290	184-804	23	23	2-162	309-442	
Quilon	22	22	1-224	185-436	25	25	2-372	377-805	
Pathanamthitta	18	18	1-408	226-920	24	24	2-051	325-637	
Alleppey	10	10	1-756	232-179	10	10	1-733	177-892	
Kottayam	35	35	0-508	79-296	35	35	0-583	91-776	
Idukki	65	65	1-045	138-690	65	65	1-498	225-828	
Ernakulam	27	27	0-646	88-395	27	27	1-270	171-790	
Trichur	23	23	1-169	179-104	18	18	1-053	151-292	
Palghat	10	10	1-084	158-236	10	10	2-110	279-792	
Malappuram	20	20	1-059	162-285	20	20	2-277	342-456	
Kozhikode	41	41	1-132	176-154	41	40	1-636	226-800	
Wynad	30	30	1-406	222-256	30	30	4-031	533-630	
Cannanore	70	70	1-126	177-444	50	50	1-975	308-396	
Kasaragod	..	..	..	..	20	20	1-647	246-976	
State	394	394	0-998	163-934	398	397	1-854	272-458	

TABLE 11  
Yield Estimate—Cocoa 1984-85 and 1985-86

District	1984-85				1985-86			
	No. of Experi- ments		Average yield/tree (kg.)	Average yield/hect. (kg.)	No. of experi- ments		Average yield/tree (kg.)	Average yield/hect. (kg.)
	Planned	Analysed			Planned	Analysed		
1	2	3	4	5	6	7	8	9
Trivandrum	5	5	1-954	120-130	9	9	2-617	388
Quilon	10	10	1-089	74-980	8	8	1-540	212
Pathanamthitta	20	20	6-065	427-700	13	13	7-730	1074
Alleppey	40	35	3-388	213-360	25	25	9-882	1204
Kottayam	20	20	4-607	304-040	25	25	4-925	687
Idukki	20	20	4-091	260-950	17	17	6-341	803
Ernakulam	40	40	5-202	339-300	34	34	8-230	1047
Trichur	20	18	1-416	93-280	17	17	2-102	288
Palghat	30	27	3-838	273-600	23	23	3-210	433
Malappuram	30	23	4-195	311-355	25	25	5-613	726
Kozhikode	20	19	2-646	160-785	17	14	3-165	409
Wynad	15	15	3-625	217-600	12	12	1-979	289
Cannanore	30	30	2-783	193-905	14	12	7-026	858
Kasaragod	..	..	..	..	11	11	1-417	207
State	300	282	3-758	253-975	250	245	5-355	721



TABLE 12  
Yield estimates—Nut meg 1985-86

District	No. of experiments		Average yield per tree		Average yield per hectare	
	Planned	Analysed	Number	Weight (in kgs.)	Number	Weight (in kgs.)
1	2	3	4	5	6	7
Trivandrum	..	..	..	..	..	..
Quilon	8	6	74	4.005	18574	1005.255
Pathanamthitta	8	8	71	2.695	17537	665.665
Alleppey	11	11	153	3.552	39321	912.864
Kottayam	8	2	246	1.388	68142	384.476
Idukki	..	..	..	..	17936	1411.280
Ernakulam	..	..	..	..	17936	1411.280
Trichur	14	14	303	11.537	69387	2641.973
Palghat	5	5	87	3.770	13050	565.500
Malappuram	3	1	56	2.619	12208	570.942
Kozhikode	3	3	80	7.565	17840	1686.995
Wynad	3	3	70	1.241	18550	328.865
Cannanore	..	..	..	..	17936	1411.280
Kasaragod	8	8	104	8.316	25688	2054.052
..	..	..	..	..	17936	1411.280
Statc	71	61	76	5.980	40677	1714.030

TABLE 13  
Yield estimates—Sweet potato 1984-85

District	No. of experiments		Average yield/Hect. in tonnes
	Planned	Analysed	
1	2	3	4
Trivandrum ..	10	5	5.756
Quilon ..	45	8	4.816
Pathanamthitta ..	5	5	6.185
Alleppey ..	..	..	6.185
Kottayam ..	..	..	7.981
Idukki ..	..	..	8.088
Ernakulam ..	..	..	7.843
Trichur ..	..	..	7.843
Palghat ..	25	24	8.007
Malappuram ..	35	30	8.545
Kozhikode ..	20	17	5.571
Wayanad ..	15	15	8.129
Cannanore ..	15	15	9.978
State ..	170	117	8.367

TABLE 14  
Yield estimates—Ginger 1984-85

District	Number of experiments		Average yield/Hect. (Tonnes)
	Planned	Analysed	
1	2	3	4
Trivandrum ..	10	5	4.065
Quilon ..	24	24	2.806
Pathanamthitta ..	28	27	2.609
Alleppey ..	13	10	3.204
Kottayam ..	70	70	2.532
Idukki ..	30	30	2.795
Ernakulam ..	35	31	3.236
Trichur ..	10	10	1.628
Palghat ..	5	4	2.406
Malappuram ..	20	20	1.965
Kozhikode ..	15	10	1.425
Wayanad ..	30	26	3.828
Cannanore ..	35	31	2.879
State ..	325	298	2.837

TABLE 15  
Yield estimates—Sesamum—1984-85 and 1985-86

District	1984-85				1985-86			
	No. of experiments		Average yield/ Hect. in tonnes	4	No. of experiments		Average yield/ Hect. in tonnes	7
	Planned	Analysed			Planned	Analysed		
1	2	3		5	6			
Trivandrum	..	..	0.155	..	..	0.347		
Quilon	30	9	0.155	16	16	0.347		
Pathanamthitta	..	..	0.155	..	..	0.192		
Alleppey	30	30	0.348	15	15	0.318		
Kottayam	15	15	0.311	..	..	0.221		
Idukki	45	44	0.140	25	25	0.271		
Ernakulam	45	43	0.436	19	19	0.166		
Trichur	30	20	0.195	15	15	0.365		
Palghat	35	35	0.192	10	10	0.365		
Malappuram	5	5	0.268	..	..	0.446		
Kozhikode	15	15	0.130	6	6	0.486		
Wayanad	10	10	0.164	8	8	0.131		
Cannanore	..	..	..	3	3	..		
Kasaragod	..	..	..	..	..	..		
State	260	226	0.251	122	122	0.259		

TABLE 16

## Yield estimates—Turmeric 1985-86

District	No. of experiments		Average yield per experiment Kgs.	Average yield of dry turmeric in tonnes/ hectares
	Planned	Analysed		
(1)	(2)	(3)	(4)	(5)
Trivandrum ..	5	4	1.575	0.669
Quilon ..	7	7	4.000	1.700
Pathanamthitta ..	3	3	8.500	3.613
Alleppey ..	1	1	4.300	1.828
Kottayam ..	20	20	6.720	2.856
Idukki ..	12	12	5.733	2.437
Ernakulam ..	25	25	2.720	1.156
Trichur ..	5	5	3.960	1.683
Palghat ..	20	20	4.410	1.929
Malappuram ..	10	10	3.880	1.698
Kozhikode ..	15	14	2.750	1.203
Wynad ..	15	15	6.693	2.928
Cannanore ..	10	10	4.830	2.113
Kasaragod ..	5	5	2.440	1.068
State ..	153	151	4.513	1.960

TABLE 17

## Yield estimates—Banana 1985-86

District	No. of experiments		Average yield per plant Kg.	Average yield per hectare in tonnes
	Planned	Analysed		
(1)	(2)	(3)	(4)	(5)
Trivandrum ..	12	12	5.955	11.910
Quilon ..	20	20	5.944	11.888
Pathanamthitta ..	14	14	6.688	13.376
Alleppey ..	12	7	7.470	14.940
Kottayam ..	18	18	8.605	17.210
Idukki ..	3	3	6.742	13.484
Ernakulam ..	20	20	6.303	12.606
Trichur ..	20	19	6.035	12.070
Palghat ..	15	15	6.464	12.928
Malappuram ..	20	19	5.794	11.588

TABLE 17—(cont.)

District	No. of experiments		Average yield per plant	Average yield per hectare in tonnes
	Planned	Analysed	Kg.	(5)
(1)	(2)	(3)	(4)	
Kozhikode	15	15	6.687	13.374
Wynad	10	10	7.193	14.386
Cannanore	14	14	6.287	12.574
Kasaragod	11	11	6.371	12.742
State	204	197	6.536	13.072

TABLE 18

Yield estimates—Groundnut 1985-86

District	No. of experiments		Mean yield of dry nut/ hectare in tonnes
	Planned	Analysed	(4)
(1)	(2)	(3)	
Trivandrum	..	..	0.545
Quilon	..	..	..
Pathanamthitta	..	..	0.545
Alleppey	..	..	..
Kottayam	..	..	..
Idukki	..	..	..
Ernakulam	..	..	..
Trichur	..	31	0.545
Palghat	..	40	0.545
Malappuram	..	..	..
Kozhikode	..	..	..
Wynad	..	..	0.545
Cannanore	..	..	0.545
Kasaragod	..	..	..
State	..	40	0.545

960

