



GOVERNMENT OF KERALA

**ANNUAL REVIEW OF CROP STATISTICS
SYSTEM IN KERALA THROUGH THE
SCHEME FOR IMPROVEMENT OF CROP
STATISTICS**

2009-10

**DEPARTMENT OF ECONOMICS AND STATISTICS
KERALA**

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PREFACE

The Ministry of Agriculture and Co- operation, Government of India is implementing the scheme on Improvement of Agriculture Statistics for the Collection of Agriculture Statistics. The components of the scheme are Timely reporting system, Establishment of an Agency for Reporting Agriculture Statistics, Improvement of Crop Statistics (ICS) and Vegetable and Fruit survey. In Kerala, the scheme on EARAS and ICS are being implemented annually for the collection of data on Agriculture statistics.

The Scheme on Improvement of Crop Statistics is implemented in the State jointly by the efforts of National Sample Survey Office (NSSO) and the Department of Economics & Statistics which is the State Agricultural Statistics Authority (SASA).

The Annual Review report on ICS for 2009-10 is prepared by the Sample Check unit functioning in the Directorate of Economics and Statistics. In this Connection I express my sincere gratitude to Sri T. Gorkey Jose (Addl:Director), Sri.R.Balan (JointDirector), Smt.Mary George (Asst:Director), & the staff of sample check section for the Preparation and Publication of the Report.

V. Ramachandran

Director

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I. INTRODUCTION

Scheme for Improvement of Crop Statistics (ICS)

The scheme Improvement of Crop Statistics was introduced from Rabi I season of 1973-74 with the main objective of improving the quality and reliability of area and yield statistics by locating deficiencies in the state system of collection of area and yield statistics and suggest remedial measures through the joint efforts of the Field Operation Division of National Sample Survey Organisation (FOD of NSSO), Government of India (GOI) and State Agricultural Statistics Authority (SASA). The primary responsibility for the collection of data on crop statistics rests with the State Government. Crop statistics has two major components, area sown and average yield. Land use statistics is collected by Area Enumeration Survey. The yield rates of principal crops are estimated through General Crop Estimation Survey.

This report contains full account of the current position of estimation of crop production, the procedures followed for enumeration of area and yield and the steps to be taken for improving the system for the year 2009-10. The report also gives the position of training to staff entrusted with crop cutting work, the equipment supplied to them, the adequacy of experiments planned under General Crop Estimation Survey (GCES), the response rate etc. Besides, the findings of sample checks under ICS scheme on the working of the system are also brought out indicating the remedial measures to rectify the deficiencies observed. It also provides comparison of estimates of yield of crops based on sample checks under the scheme for Improvement of Crop Statistics and General Crop Estimation Survey.

1. District level Co-ordination Committees (DLCC)

District level co-ordination committees are also functioning in the state with representatives of NSSO and State Government (DES). This committee discusses the reasons for large differences/ no differences between the entries made by supervisor and primary worker in area enumeration.

2. The scheme for improvement of Crop Statistics (ICS)

The scheme accomplishes its objectives by conducting sample check on the primary fieldwork through

- (1) Physical verification of the crop enumeration done by the investigator in a sample of 80 IV zones in each season.
- (2) Checking the aggregation of crop wise area in the Form I diary and
- (3) Inspection of crop cutting experiments at harvest stage in an agricultural year.

The sample checks are undertaken by the supervisory staff of NSSO (FOD) and the Supervisory staff of DES (ADOs on matching basis in two non-overlapping sample. The basic data collected through these check are exchanged between the two agencies.

Three schedules viz., AS 1.0, AS 1.1 and AS 2.0 are used for recording the findings of sample checks on (a) area enumeration (b) area aggregation and (c) crop cutting experiment respectively. The filled in schedules are sent to both agencies on reciprocal basis for tabulation and analysis.

The programme of sample check on area enumeration consists of selecting and locating a sample of 4 clusters in each selected IV zone with the help of village maps and recording actual utilization to which land under survey numbers are put during each season and comparing these with the corresponding entries made by the investigator in respect of these clusters.

The programme of sample check on area aggregation consists of finding out the totals of area figures recorded by the investigator under different utilization in form I diary maintained by him and comparing them with the totals arrived by the supervisor.

The concurrent inspection of crop cutting experiments at harvest stage consists of examining whether the conduct of the experiments by the investigator conforms to the procedures prescribed under GCES. The inspection covers aspects such as selection of fields and random coordinates, marking of experimental plots of specified shape and size, harvesting of plants, weighment of the produce etc. In addition, the position regarding the supply and use of equipments for conducting the experiments, training received by the primary workers, crop condition, use of inputs etc. are also ascertained.

The data collected through the sample check are analysed facilitating factual appraisal of the system with reference to the following..

- (1) Timeliness in completion of area enumeration and working of the EARAS Scheme
- (2) Discrepancies in recording a crop area, their frequency and impact.
- (3) Discrepancies in recording ancillary information, their frequency and impact.
- (4) Discrepancies in crop abstract statement and their impact.
- (5) Departures from the prescribed procedure for conducting crop cutting experiments and their impact.

The yield data from the supervised experiments are also used for obtaining the average yield rates of specified crops and their standard errors. The calculation of standard errors and their study is helpful in assessing the adequacy of the sample size, trend of changes in yield rates and in planning other allied studies.

Analysis of Data-2009-10

II. Check on Area Enumeration and Area Aggregation

Every year 80 Investigator Zones each under the Central and State samples are selected for sample check on Area Enumeration and Area Aggregation. The sample checks are conducted immediately after the prescribed EARAS area enumeration survey.

1. Response in Sample Check on Enumeration of Area during 2009-10

The response in sample check on area enumeration i.e., the number of IV zones for which filled in schedules were received during 2009-10 is given in Table 1. The response was cent percent for Central samples and state samples during Autumn, Winter and Summer seasons.

2. Completion of Area enumeration under EARAS.

Under EARAS, the Investigator is required to complete enumeration of area in each season according to a prescribed time schedule and also to submit EARAS statement to higher authorities immediately on completion of enumeration work. The sample checks are programmed to be carried out within one month after the due date for the completion of area enumeration. Provision exists in schedule AS 1.0 for collecting information on the due and actual dates of completion of area enumeration as well as the submission of EARAS statement. Analysis of data collected indicates how far the time programme under EARAS being adhered to by primary workers and throws light on delays which would defeat the purpose of EARAS.

Timeliness in completion of area enumeration during 2009-10 is given in Table – 2. 97.5%, 100%, and 100% cases for central sample and 81.8%, 97.5% and 90% cases for state sample were completed girdawari in time during Autumn, Winter and Summer seasons respectively. 2.5% cases for central sample during Autumn season and 14.29%, 2.5% cases for state sample during Autumn & Summer season reported that the area enumeration has completed after the due date. 3.9% ,2.5% and 7.5% cases for State sample during Autumn, Winter and Summer season has reported the non-completion of area enumeration till the time of the supervisors visit

3. Submission of EARAS Statement

The details of season wise submission of EARAS crop statements during 2009-10 are indicated in Table 3. Timely submission of these statements still needs considerable improvement. The tendency of submitting these statements after completing area enumeration work after due date was observed to be the order of 6 to 14 %. This is a matter of concern. The percentage of IV zones for which EARAS statement was submitted after completing area enumeration after due date was very high in Pathanamthitta, Eranakulam, Thrissur and Palakkad districts. EARAS statement submitted after completing area enumeration by due date is very less in Pathanamthitta, Eranakulam, Thrissur and Kannur districts. Many of the cases did not report the date of submission of EARAS statements.

4. Discrepancies in recording crop and crop areas

The crop utilization and area reported by the Investigator in the state system and with the corresponding entries made by the technical personnel associated with the ICS programme reveal the following types of discrepancies.

- (1) Non-reporting of crops actually grown (E1)
- (2) Reporting of crops actually not grown (E2)
- (3) Reporting of incorrect area of crops (E3)

The percentage of Survey nos. in which different types of discrepancies in recording paddy area by the investigator during Autumn, Winter and Summer for the year 2009-10 are given in Table 4.

The most predominant error observed was that of not recording the crop actually grown in the field (E1), which occurred mostly in Kottayam, Idukki, Kozhikkode and wayanad districts. Reporting of crops actually not grown in the field (E2) which occurred in Kottayam and Idukki districts . Reporting of incorrect area of crops (E3) were found in all districts except Thiruvananthapuram, Pathanamthitta and Malappuram.

5. Discrepancies in recording variety particulars of seed used

Information on distribution of survey numbers as per the type of seed used for paddy during Autumn, Winter and Summer is given in Table 5(a), 5(w) and 5(s) respectively. Seed variety observed by the supervisor differed from that reported by investigator in Kollam, Kottayam, Idukki, Kozhikkode and Wayanad districts in Winter season, Wayanad district during Summer season. The impact of discrepancies requires adequate attention for controlling the situation.

III. Check on Crop Cutting Experiment

1. Sample Check on Crop Cutting Experiments

Table 6 reflects the number of experiments planned and percentage response achieved under the sample checks on crop cutting experiments in each district during different seasons of the year 2009-10. The response position was almost cent percent for paddy in winter season but 97% response for central sample during Autumn and Summer season and 99% response for state sample during Autumn and Summer season.

2. Distribution of number of experiments conducted by important inputs

Table 7(i), 7(ii) and 7(iii) show the details of distribution of paddy crop cutting experiments conducted according to the percentage of experiments irrigated, sown with high yielding varieties of seeds and applied with fertilizer. In the programme of sample check under ICS on crop cutting experiments, particular emphasis has been given to ensure that supervisors are invariably present at the harvest stage to inspect the technique and procedure adopted by the Investigators, and provide support and guidance wherever necessary. The extent of participation at harvest stage is presented in the tables. It is seen from these tables that while the Central personnel were able to participate in the programme at harvest stage to the extent of 97%, 100% and 97% during Autumn, Winter and Summer seasons for paddy 2009-10 respectively and the state personnel's participation was 99%, 100% and 99% in Autumn, Winter and Summer seasons respectively. The extent of participation at harvest stage is cent percent for State & Central personnel for the crops Tapioca, Pepper, Banana, Plantain and Arecanut [Tables 7(iv), 7(v), 7(vi), 7(vii) & 7(viii)].

3. Procedural Deviations and Discrepancies

Particulars gathered during the visit of technical personnel are used to assess the extent to which the procedural guidelines prescribed for the conduct of crop cutting experiments were observed by the statistical investigators.

Incidences of deviation and departures observed during the sample check programme for each crop are:

- E1 – Error in selection of survey/ sub-survey numbers
- E2 – Error in selection of field within survey/ sub-survey numbers
- E3 – Error in reporting seed variety
- E4 – Error in reporting of seed rate.
- E5 – Error in reporting irrigation particulars
- E6 – Error in reporting application of fertilizers
- E7_ Error in reporting application of manures
- E8 – Error in reporting application of pesticides
- E9_ Error in reporting measurement of field
- E10_ Error in checking random numbers
- E11_ Error in location of plots
- E12_ Error in plot dimensions
- E13_ Error in weighment of produce
- E14_ Inadequate arrangement for storing the procedure for driage
- E15_ Error in reporting proportion of experimental crops in mixture/ wrong reporting of constituents in mixture and
- E16_ any one of the items missing

4. Supply and use of Crop Cutting Equipments

Information on supply and use of crop cutting equipments such as Tapes, Pegs, Balance and set of weights collected during the sample checks survey 2009-10 is presented in Tables 16 (i) & 16(ii). The primary workers were not supplied with essential items of equipments is reported in many cases during 2009-10. Even the

supplied equipments were reported to have not been carried to the field for the conduct of crop cutting experiments to a large extent in most of the Districts.

IV. Estimation on Average Yield Rates

Estimated yield rates of high yielding and other varieties of crops for irrigated and unirrigated categories and crop-wise rate of application of fertilizers and differential yield rates according to inputs for paddy during Autumn, Winter and Summer for Central and State samples are given in the Tables.

Crop wise number of experiments planned for check at Harvest and the response achieved, variety wise estimated yield rates for irrigated and unirrigated categories, crop-wise rate of application of fertilizers and yield rates according to inputs for central and state samples for the whole year crops Banana, Tapioca, Plantain, Pepper and Arecanut are given in the Tables.

V. Comparison of ICS and GCES yield Estimates

The yield rates of rice under ICS and GCES during the year 2009-10 for district level for central and state samples are given in Table 17(i). Trend of yield rate for Rice under ICS and GCES during Autumn, Winter and Summer for the year 2009-10 are given in Chart 1, 2 and 3 respectively. State wise yield rate under GCES and ICS for paddy is given in Chart 4.

Yield rates of rice under ICS are higher as compared to GCES for state and central samples during three seasons.

The yield rates of important crops under GCES and ICS for the year 2009-10 is given in Table 17. A graphical representation of yield rates of Tapioca, Banana, Plantain, Pepper and Arecanut are given in Chart 5 to 9. A graphical representation of state-wise yield rates of important crops during the year 2009-10 is given in Chart X.

Table-1

**RESPONSE IN SAMPLE CHECK ON ENUMERATION OF AREA
DURING 2009-10**

Sl.No.	District	Agency	Sample Size	Percentage of Response		
				Autumn	Winter	Summer
1	2	3	4	5	6	7
1	Thiruvananthapuram	C	5	100	100	100
		S	5	100	100	100
2	Kollam	C	5	100	100	100
		S	5	100	100	100
3	Pathanamthitta	C	3	100	100	100
		S	3	100	100	100
4	Alappuzha	C	3	100	100	100
		S	3	100	100	100
5	Kottayam	C	6	100	100	100
		S	6	100	100	100
6	Idukki	C	8	100	100	100
		S	8	62.5	100	100
7	Ernakulam	C	6	100	100	100
		S	6	100	100	100
8	Thrissur	C	5	100	100	100
		S	5	100	100	100
9	Palakkad	C	9	100	100	100
		S	9	100	100	100
10	Malappuram	C	7	100	100	100
		S	7	100	100	100
11	Kozhikkode	C	6	100	100	100
		S	6	100	100	100
12	Wayanad	C	6	100	100	100
		S	6	100	100	100
13	Kannur	C	7	100	100	100
		S	7	100	100	100
14	Kazargod	C	4	100	100	100
		S	4	100	100	100
For District Covered		C	80	100	100	100
		S	80	96.25	100	100

C - Central Sample

S -State Sample

State Autumn- Idukki-no wet cluster in 3 zones

Table-2

TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2009-10

Sl.No.	District	Agency	Percentage of villages where Girdawari was completed during										
			Autumn				Winter				Summer		
			In Time	Late	But date of completion not known	Partially completed	In Time	Late	But date of completion not known	Partially completed	In Time	Late	But date of completion not known
1	2	3	4	5	6	7	8	9	10	11	12		
1	Thiruvananthapuram	C	100				100				100		
		S	100				100				100		
2	Kollam	C	100				100				100		
		S	100				100				100		
3	Pathanamthitta	C	100				100				100		
		S	100				100				100		
4	Alappuzha	C	100				100				33.33	66.67	
		S	100				100				100		
5	Kottayam	C	100				100				100		
		S	100				100				100		
6	Idukki	C	100				100				100		
		S	100				100				100		
7	Ernakulam	C	83.3	16.7			100				50		50
		S	83.3		16.7		100				100		
8	Thrissur	C	100				100				100		
		S	100				100				100		
9	Palakkad	C	100				100				100		
		S	0	100			100				100		
10	Malappuram	C	100				100				100		
		S	100				100				100		
11	Kozhikkode	C	100				100				100		
		S	100				100				100		
12	Wayanad	C	100				100				100		
		S	100				100				100		
13	Kannur	C	100				100				100		
		S	42.8	28.6	28.6		71.4		28.6		71.43		28.57
14	Kazharagod	C	75	25			100				100		
		S	100				100				100		
For District Covered		C	97.5	2.5			100				100		
		S	81.81	14.29	3.9		97.5		2.5		90	2.5	7.5

Table-3

TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2009-10

Sl. No.	District	Season	AGENCY	Percentage of villages for which								
				EARAS Statement Submitted					EARAS Statement not Submitted			
				Without completing Girdawari		After completing Girdawari		Information regarding date of submission not known	Though Girdawari completed	Girdawari not completed	Information regarding TRS submission not available	
				By due date	After due date	By due date	After due date					
1	2	3	4	5	6	7	8	9	10	11	12	
1	Thiruvananthapuram	Autumn	C			100						
			S			100						
		Winter	C			100						
			S			100						
		Summer	C			80	20					
			S			100						
2	Kollam	Autumn	C			80	20					
			S			100						
		Winter	C			100						
			S			100						
		Summer	C			100						
			S			100						
3	Pathanamthitta	Autumn	C			33.33				66.67		
			S				100					
		Winter	C			100						
			S			100						
		Summer	C	33.3			33.3				33.3	
			S			33.3	66.7					
4	Alappuzha	Autumn	C			33.33				66.67		
			S			100						
		Winter	C			66.7					33.3	
			S			100						
		Summer	C			33.3					66.7	
			S			100						
5	Kottayam	Autumn	C			66.7	33.3					
			S			100						
		Winter	C			83.3	16.7					
			S			100						
		Summer	C			83.3	16.7					
			S			100						

Table-3 Contd.....

TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2009-10

Sl. No.	District	Season	AGENCY	Percentage of villages for which									
				EARAS Statement Submitted				EARAS Statement not Submitted					
				Without completing Girdawari		After completing Girdawari		Information regarding date of submission of submission not known	Though Girdawari completed	Girdawari not completed	Information regarding TRS submission not available		
				By due date	After due date	By due date	After due date						
1	2	3	4	5	6	7	8	9	10	11	12		
6	Idukki	Autumn	C			75	25						
			S			100							
		Winter	C			62.5	37.5						
			S			100							
		Summer	C			75	25						
			S			50		50					
7	Ernakulam	Autumn	C			100							
			S			83.3	16.7						
		Winter	C			100							
			S			66.7	33.3						
		Summer	C			100							
			S					100					
8	Thrissur	Autumn	C			100							
			S			100							
		Winter	C			100							
			S			40	60						
		Summer	C			100							
			S			100							
9	Palakkad	Autumn	C			100							
			S	22.2			77.8						
		Winter	C			100							
			S			100							
		Summer	C			100							
			S			100							
10	Malappuram	Autumn	C			100							
			S			100							
		Winter	C			100							
			S			100							
		Summer	C			100							
			S			100							

Table-3 Contd.....

TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2009-10

Sl. No.	District	Season	AGENCY	Percentage of villages for which								
				EARAS Statement Submitted				EARAS Statement not Submitted				
				Without completing Girdawari		After completing Girdawari		Information regarding date of submission not known	Though Girdawari completed	Girdawari not completed	Information regarding TRS submission not available	
				By due date	After due date	By due date	After due date					
1	2	3	4	5	6	7	8	9	10	11	12	
11	Kozhikkode	Autumn	C			100						
			S			100						
		Winter	C			83.3			16.7			
			S			100						
		Summer	C			100						
			S			100						
12	Wayanad	Autumn	C			33.3			66.7			
			S			100						
		Winter	C			66.7			33.3			
			S			100						
		Summer	C			100						
			S			100						
13	Kannur	Autumn	C			100						
			S	14.28		42.86		42.86				
		Winter	C			100						
			S			71.4		28.6				
		Summer	C	14.3		85.7						
			S			71.4		28.6				
14	Kazaragod	Autumn	C			75				25		
			S			100						
		Winter	C			100						
			S			100						
		Summer	C			100						
			S			100						
For District Covered		Autumn	C			82.5	6.25		10	1.25		
			S	3.9		77.9	14.3	3.9				
		Winter	C			90	5		5			
			S			91	6	3				
		Summer	C	2.5		87.5	6.25		3.75			
			S			82.5	10	7.5				

C - Central Sample

S - State Sample

Table-4

PERCENTAGE OF SURVEY NUMBERS IN WHICH ERRORS IN RECORDING CROP AREAS WERE OBSERVED : 2009-10

Sl. No.	District	Agency	Percentage of survey numbers with different types of errors in enumeration of area during												
			AUTUMN				WINTER				SUMMER				
			e ₀	e ₁	e ₂	e ₃	e ₀	e ₁	e ₂	e ₃	e ₀	e ₁	e ₂	e ₃	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvananthapuram	C	100				100				#				
		S	100				100				#				
2	Kollam	C	60			40	65			35	#				
		S	94.7			5.3	97			3	#				
3	Pathanamthitta	C	#				100				#				
		S	#				#				#				
4	Alappuzha	C	#				83			17	#				
		S	100				100				100				
5	Kottayam	C	77.8			22.2	89			11	100				
		S	#				78	11	11		100				
6	Idukki	C	87.5			12.5	75	2		23	89				11
		S	23			77	20			80	#				
7	Eranakulam	C	75			25	100				100				
		S	100				100				#				
8	Thrissur	C	100				98			2	#				
		S	100				100				100				
9	Palakkad	C	98			2	98			2	100				
		S	96.7			3.3	99			1	#				
10	Malappuram	C	100				100				100				
		S	100				100				100				
11	Kozhikkode	C	100				90	3.3		6.7	100				
		S	100				83			17	#				
12	Wayanad	C	#				98			2	100				
		S	#				70			30	90	2			8
13	Kannur	C	100				100				#				
		S	85			15	95			5	#				
14	Kazaragod	C	100				100				100				
		S	100				81			19	100				
For District Covered		C	92.7			7.3	92.5	0.5		7	98				2
		S	92.5			7.5	85.9	.25	.25	13.6	95	1			4

C - Central Sample

S - State Sample

- Crop not reported in the selected zones

e₀ - No errore₂ - Reporting of crops actually not growne₁ - Non-reporting of crops actually grown
e₃ - Reporting incorrect area of crops

Table-7(i)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2009-10**

Rice-Autumn

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	8	75	100	100
		S		8	100	100	100
		C	T	8	75	100	100
		S		8	100	100	100
2	Kollam	C	H	6	33.3	100	100
		S		6	33.3	100	100
		C	T	6	33.3	100	100
		S		6	33.3	100	100
3	Pathanamthitta	C	H	4	75	100	100
		S		4	100	100	100
		C	T	4	75	100	100
		S		4	100	100	100
4	Alappuzha	C	H	6	33.3	66.7	66.7
		S		6	33.33	50	50
		C	T	6	33.3	66.7	66.7
		S		6	33.33	50	50
5	Kottayam	C	H	8	50	100	100
		S		7	100	100	100
		C	T	8	50	100	100
		S		8	87.5	87.5	87.5
6	Idukki	C	H	4	100	100	100
		S		4	100	100	100
		C	T	4	100	100	100
		S		4	100	100	100
7	Ernakulam	C	H	8	25	100	75
		S		8	100	100	100
		C	T	8	25	100	75
		S		8	100	100	100
8	Thrissur	C	H	9	0	88.9	100
		S		10	0	100	100
		C	T	10	0	80	90
		S		10	0	100	100

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2009-10

Rice-Autumn

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	10	20	90	90
		S		10	20	80	70
		C	T	10	20	90	90
		S		10	20	80	70
10	Malappuram	C	H	9	0	100	89
		S		10	0	90	90
		C	T	10	0	90	80
		S		10	0	90	90
11	Kozhikkode	C	H	11	0	63.6	91
		S		12	0	58.3	25
		C	T	12	0	58.3	83.3
		S		12	0	58.3	25
12	Wayanad	C	H		NO AUTUMN PADDY IN THE SELECTED ZONE		
		S					
		C	T				
		S					
13	Kannur	C	H	8	0	62.5	100
		S		8	0	100	87.5
		C	T	8	0	62.5	100
		S		8	0	100	87.5
14	Kazaragod	C	H	6	0	83.33	83.33
		S		6	0	83.33	100
		C	T	6	0	83.33	83.33
		S		6	0	83.33	100
For District Covered		C	H	97	25.77	87.6	91.75
		S		99	37.37	87.88	82.83
		C	T	100	25	85	89
		S		100	37	87	82

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety
I - Irrigated

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 7(ii)
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
 IMPORTANT INPUTS DURING 2009-10**

Rice-Winter

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	8	100	100	87.5
		S		8	100	100	100
		C	T	8	100	100	87.5
		S		8	100	100	100
2	Kollam	C	H	6	0	33.33	100
		S		6	83.33	83.33	100
		C	T	6		33.33	100
		S		6	83.33	83.33	100
3	Pathanamthitta	C	H	4	75	100	100
		S		4	100	100	100
		C	T	4	75	100	100
		S		4	100	100	100
4	Alappuzha	C	H	6	0	50	66.67
		S		6	33.33	66.67	66.67
		C	T	6	0	50	66.67
		S		6	33.33	66.67	66.67
5	Kottayam	C	H	8	100	100	100
		S		8	100	87.5	100
		C	T	8	100	100	100
		S		8	100	87.5	100
6	Idukki	C	H	4	100	100	100
		S		4	100	100	100
		C	T	4	100	100	100
		S		4	100	100	100
7	Ernakulam	C	H	8	75	100	62.5
		S		8	100	100	100
		C	T	8	75	100	62.5
		S		8	100	100	100
8	Thrissur	C	H	10	50	80	90
		S		10	90	80	90
		C	T	10	50	80	90
		S		10	90	80	90

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING -2009-10

Rice-Winter

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	10	80	90	100
		S		10	60	90	100
		C	T	10	80	90	100
		S		10	60	90	100
10	Malappuram	C	H	10	70	60	100
		S		10	70	50	80
		C	T	10	70	60	100
		S		10	70	50	80
11	Kozhikkode	C	H	8	0	12.5	62.5
		S		8	0	0	37.5
		C	T	8	0	12.5	62.5
		S		8	0	0	37.5
12	Wayanad	C	H	4	100	75	75
		S		4	75	75	100
		C	T	4	100	75	75
		S		4	75	75	100
13	Kannur	C	H	8	75	62.5	100
		S		8	100	75	62.5
		C	T	8	75	62.5	100
		S		8	100	75	62.5
14	Kazaragod	C	H	6	100	66.67	100
		S		6	100	100	100
		C	T	6	100	66.67	100
		S		6	100	100	100
For District Covered		C	H	100	65	73	89
		S		100	78	77	87
		C	T	100	65	73	89
		S		100	78	77	87

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 7(iii)
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
 TO IMPORTANT INPUTS DURING 2009-10**

Rice-Summer

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	8	100	100	100
		S		8	100	100	100
		C	T	8	100	100	100
		S		8	100	100	100
2	Kollam	C	H	6	100	100	100
		S		6	83	67	100
		C	T	6	100	100	100
		S		6	83	67	100
3	Pathanamthitta	C	H	4	100	100	100
		S		4	100	100	100
		C	T	4	100	100	100
		S		4	100	100	100
4	Alappuzha	C	H	5	80	100	80
		S		6	100	100	83
		C	T	6	66.7	83.3	66.7
		S		6	100	100	83
5	Kottayam	C	H	8	100	100	100
		S		8	100	100	100
		C	T	8	100	100	100
		S		8	100	100	100
6	Idukki	C	H	4	100	75	100
		S		4	100	100	100
		C	T	4	100	75	100
		S		4	100	100	100
7	Ernakulam	C	H	7	100	100	100
		S		8	100	100	100
		C	T	8	87.5	87.5	87.5
		S		8	100	100	100
8	Thrissur	C	H	10	100	100	100
		S		10	70	90	80
		C	T	10	100	100	100
		S		10	70	90	80

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2009-10**

Rice-Summer

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	10	90	100	100
		S		10	100	100	80
		C	T	10	90	100	100
		S		10	100	100	80
10	Malappuram	C	H	9	89	66.7	89
		S		10	90	90	100
		C	T	10	80	60	80
		S		10	90	90	100
11	Kozhikkode	C	H	8	100	75	100
		S		8	100	87.5	100
		C	T	8	100	75	100
		S		8	100	87.5	100
12	Wayanad	C	H	4	75	100	100
		S		4	75	100	75
		C	T	4	75	100	100
		S		4	75	100	75
13	Kannur	C	H	8	75	75	75
		S		7	100	14.3	100
		C	T	8	75	75	75
		S		8	87.5	12.5	87.5
14	Kazaragod	C	H	6	100	66.67	100
		S		6	100	83.3	100
		C	T	6	100	66.67	100
		S		6	100	83.3	100
For District Covered		C	H	97	93.81	89.69	95.87
		S		99	93.94	87.88	93.94
		C	T	100	91	87	93
		S		100	93	87	93

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 7(iv)
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
 TO IMPORTANT INPUTS DURING 2009- 10**

Tapioca

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4	50	75	50
		S		4	25	50	0
		C	T	4	50	75	50
		S		4	25	50	0
2	Kollam	C	H	4	25	0	0
		S		4	25	0	0
		C	T	4	25	0	0
		S		4	25	0	0
3	Pathanamthitta	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
4	Alappuzha	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
5	Kottayam	C	H	4	25	50	75
		S		4	0	0	50
		C	T	4	25	50	75
		S		4	0	0	50
6	Idukki	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
7	Ernakulam	C	H	4	25	25	25
		S		4	0	75	50
		C	T	4	25	25	25
		S		4	0	75	50
8	Thrissur	C	H	4	25	0	0
		S		4	25	25	0
		C	T	4	25	0	0
		S		4	25	25	0

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2009-10

Tapioca

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	0	50	50
		S	H	4	50	25	25
		C	T	4	0	50	50
		S	T	4	50	25	25
10	Malappuram	C	H	4	25	25	75
		S	H	4	75	50	0
		C	T	4	25	25	75
		S	T	4	75	50	0
11	Kozhikkode	C	H	4	0	75	0
		S	H	4	50	0	0
		C	T	4	0	75	0
		S	T	4	50	0	0
12	Wayanad	C	H	0	0	0	0
		S	H	0	0	0	0
		C	T	0	0	0	0
		S	T	0	0	0	0
13	Kannur	C	H	4	0	0	0
		S	H	4	0	25	50
		C	T	4	0	0	0
		S	T	4	0	25	50
14	Kazaragod	C	H	4	25	0	50
		S	H	4	0	0	75
		C	T	4	25	0	50
		S	T	4	0	0	75
For District Covered		C	H	40	20	30	32.5
		S	H	40	25	25	25
		C	T	40	20	30	32.5
		S	T	40	25	25	25

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 7(v)
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
 IMPORTANT INPUTS DURING 2009-10**

Pepper

SI.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4	25	25	25
		S		4	0	25	25
		C	T	4	25	25	25
		S		4	0	25	25
2	Kollam	C	H	4	75	0	0
		S		4	0	0	0
		C	T	4	75	0	0
		S		4	0	0	0
3	Pathanamthitta	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
4	Alappuzha	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
5	Kottayam	C	H	4	50	0	0
		S		4	0	0	0
		C	T	4	50	0	0
		S		4	0	0	0
6	Idukki	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
7	Eranakulam	C	H	4	25	25	0
		S		4	0	75	0
		C	T	4	25	25	0
		S		4	0	75	0
8	Thrissur	C	H	4	75	100	0
		S		4	50	75	0
		C	T	4	75	100	0
		S		4	50	75	0

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2009-10

Pepper

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	25	50	50
		S		4	0	75	0
		C	T	4	25	50	50
		S		4	0	75	0
10	Malappuram	C	H	4	0	0	0
		S		4	50	50	0
		C	T	4	0	0	0
		S		4	50	50	0
11	Kozhikkode	C	H	4	0	25	0
		S		4	25	0	0
		C	T	4	0	25	0
		S		4	25	0	0
12	Wayanad	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
13	Kannur	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
14	Kazaragod	C	H	4	0	100	0
		S		4	0	0	0
		C	T	4	0	100	0
		S		4	0	0	0
For District Covered		C	H	40	27.5	32.5	7.5
		S		40	12.5	30	2.5
		C	T	40	27.5	32.5	7.5
		S		40	12.5	30	2.5

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety

S - State Sample
T - Total Experiment
F - Fertilizers used

Table7(vi)
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
 TO IMPORTANT INPUTS DURING 2009-10**

Banana

SI.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4	100	50	75
		S		4	100	0	100
		C	T	4	100	50	75
		S		4	100	0	100
2	Kollam	C	H	4	25	0	50
		S		4	75	0	100
		C	T	4	25	0	50
		S		4	75	0	100
3	Pathanamthitta	C	H	4	100	0	100
		S		4	25	0	100
		C	T	4	100	0	100
		S		4	25	0	100
4	Alappuzha	C	H	4	100	0	0
		S		4	100	0	0
		C	T	4	100	0	0
		S		4	100	0	0
5	Kottayam	C	H	4	50	0	75
		S		4	0	0	75
		C	T	4	50	0	75
		S		4	0	0	75
6	Idukki	C	H	4	0	0	25
		S		4	50	0	75
		C	T	4	0	0	25
		S		4	50	0	75
7	Eranakulam	C	H	4	75	0	100
		S		4	50	0	100
		C	T	4	75	0	100
		S		4	50	0	100
8	Thrissur	C	H	4	100	0	75
		S		4	100	0	100
		C	T	4	100	0	75
		S		4	100	0	100

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2009-10

Banana

SI.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	6	66.67	33.33	100
		S		6	100	16.67	100
		C	T	6	66.67	33.33	100
		S		6	100	16.67	100
10	Malappuram	C	H	6	66.67	16.67	100
		S		6	83.33	0	66.67
		C	T	6	66.67	16.67	100
		S		6	83.33	0	66.67
11	Kozhikkode	C	H	4	100	0	75
		S		4	100	0	50
		C	T	4	100	0	75
		S		4	100	0	50
12	Wayanad	C	H	4	25	0	100
		S		4	75	0	50
		C	T	4	25	0	100
		S		4	75	0	50
13	Kannur	C	H	4	100	0	75
		S		4	100	0	100
		C	T	4	100	0	75
		S		4	100	0	100
14	Kazaragod	C	H	4	100	0	75
		S		4	100	0	100
		C	T	4	100	0	75
		S		4	100	0	100
For District Covered		C	H	60	71.67	8.33	75
		S		60	76.67	1.67	80
		C	T	60	71.67	8.33	75
		S		60	76.67	1.67	80

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 7(vii)
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
 IMPORTANT INPUTS DURING 2009-10**

Plantain

SI.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4	75	25	25
		S		4	25	0	75
		C	T	4	75	25	25
		S		4	25	0	75
2	Kollam	C	H	4	25	0	0
		S		4	0	25	25
		C	T	4	25	0	0
		S		4	0	25	25
3	Pathanamthitta	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
4	Alappuzha	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
5	Kottayam	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
6	Idukki	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
7	Ernakulam	C	H	4	25	0	0
		S		4	25	0	25
		C	T	4	25	0	0
		S		4	25	0	25
8	Thrissur	C	H	4	50	0	0
		S		4	50	0	0
		C	T	4	50	0	0
		S		4	50	0	0

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2009-10

Plantain

Sl.No.	District	Agency	H/T		Percentage of Experiments under various Inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	50	0	0
		S		4	50	50	50
		C	T	4	50	0	0
		S		4	50	50	50
10	Malappuram	C	H	4	0	0	50
		S		4	25	0	0
		C	T	4	0	0	50
		S		4	25	0	0
11	Kozhikkode	C	H	4	0	0	0
		S		4	25	0	0
		C	T	4	0	0	0
		S		4	25	0	0
12	Wayanad	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
13	Kannur	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
14	Kazaragod	C	H	4	50	0	0
		S		4	100	0	50
		C	T	4	50	0	0
		S		4	100	0	50
For District Covered		C	H	40	27.5	2.5	7.5
		S		40	30	7.5	22.5
		C	T	40	27.5	2.5	7.5
		S		40	30	7.5	22.5

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 7(viii)
**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
 TO IMPORTANT INPUTS DURING 2009-10**

Arecanut

SI.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4	25	25	0
		S		4	25	25	25
		C	T	4	25	25	0
		S		4	25	25	25
2	Kollam	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
3	Pathanamthitta	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
4	Alappuzha	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
5	Kottayam	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
6	Idukki	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
7	Ernakulam	C	H	4	50	50	0
		S		4	0	25	25
		C	T	4	50	50	0
		S		4	0	25	25
8	Thrissur	C	H	4	75	0	25
		S		4	100	50	0
		C	T	4	75	0	25
		S		4	100	50	0

Contd.....

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2009-10

Arecanut

Sl.No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	50	50	25
		S		4	50	50	0
		C	T	4	50	50	25
		S		4	50	50	0
10	Malappuram	C	H	4	50	0	50
		S		4	0	0	0
		C	T	4	50	0	50
		S		4	0	0	0
11	Kozhikkode	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
12	Wayanad	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
13	Kannur	C	H	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
14	Kazaragod	C	H	4	100	0	0
		S		4	100	0	50
		C	T	4	100	0	0
		S		4	100	0	50
For District Covered		C	H	40	35	12.5	10
		S		40	27.5	15	10
		C	T	40	35	12.5	10
		S		40	27.5	15	10

C - Central Sample
H - Checked at Harvest
HYV - High yielding Variety

S - State Sample
T - Total Experiment
F - Fertilizers used

Table 8 (f)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received	
		Checked at harvest						
		Planned	Checked at harvest					
1	2	3	4	5	6	7	8	
1	Thiruvananthapuram	8	8					
2	Kollam	6	6					
3	Pathanamthitta	4	4					
4	Alappuzha	6	6					
5	Kottayam	8	7		1			
6	Idukki	4	4					
7	Ernakulam	8	8					
8	Thrissur	10	10					
9	Palakkad	10	10					
10	Malappuram	10	10					
11	Kozhikode	12	12					
12	Wayanad			No Autumn Paddy				
13	Kannur	8	8					
14	Kasaragod	6	6					
Total for all crops		100	99		1			

STATE : KERALA

YEAR : 2009-10

STATE SAMPLE

SEASON : AUTUMN

CROP : PADDY

Table 8 (ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2009-10

CENTRAL SAMPLE

SEASON : Autumn

CROP : Paddy

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	6				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	10	9		1		
9	Palakkad	10	10				
10	Malappuram	10	9		1		
11	Kozhikode	12	11	1			
12	Wayanad	No Autumn Paddy					
13	Kannur	8	8				
14	Kasargod	6	6				
Total		100	97	1	2		

Table 8(iii)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	STATE:KERALA										YEAR: 2009-10										SEASON:AUTUMN										CROP : PADDY										STATE SAMPLE									
		No. of expts. Checked at harvest										HY varieties					Total					Other Varieties					total					Irrigated					Un irrigated					Both Hy & Others									
		Irrigated		Un irrigated		Yield Rate Kg/Ha		No. of Experiments		Yield Rate Kg/Ha		No. of Experiments		Irrigated		Un irrigated		Yield Rate Kg/Ha		No. of Experiments		Yield Rate Kg/Ha		No. of Experiments		Irrigated		Un irrigated		Yield Rate Kg/Ha		No. of Experiments		Irrigated		Un irrigated		Yield Rate Kg/Ha		No. of Experiments											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21																															
1	TVM	8	8	4141.62	0	0	8	4141.62	0	0	0	0	0	0	0	8	4141.62	0	0	0	0	0	8	4141.62	0	0	0	0	8	4141.62	0	0	0	0	8	4141.62	0	0	8	4141.62											
2	KLM	6	2	5238.43	4	4064.09	6	4455.54	0	0	0	0	0	0	0	2	5238.43	4	4064.09	4	4334.68	0	0	4	4334.68	0	0	4	4334.68	0	0	4	4334.68	0	0	4	4334.68	0	0	4	4334.68										
3	PTA	4	4	4334.68	0	0	4	4334.68	0	0	0	0	0	0	0	4	4334.68	0	0	0	0	0	4	4334.68	0	0	4	4334.68	0	0	4	4334.68	0	0	4	4334.68	0	0	4	4334.68											
4	ALP	6	2	4329.94	1	1591.2	3	3417.02	0	0	3	676.42	3	676.42	0	0	2	4329.94	4	905.11	4	4329.94	2	676.42	2	676.42	0	0	2	4329.94	4	905.11	4	4329.94	2	676.42	2	676.42	0	0	6	2046.72									
5	KTM	7	7	4673.97	0	0	7	4673.97	0	0	0	0	0	0	0	7	4673.97	0	0	0	0	0	7	4673.97	0	0	7	4673.97	0	0	7	4673.97	0	0	7	4673.97	0	0	7	4673.97											
6	IDKI	4	4	3409.56	0	0	4	3409.56	0	0	0	0	0	0	0	4	3409.56	0	0	0	0	0	4	3409.56	0	0	4	3409.56	0	0	4	3409.56	0	0	4	3409.56	0	0	4	3409.56											
7	EKM	8	8	3428.12	0	0	8	3428.12	0	0	0	0	0	0	0	8	3428.12	0	0	0	0	0	8	3428.12	0	0	8	3428.12	0	0	8	3428.12	0	0	8	3428.12	0	0	8	3428.12											
8	TSR	10	0	0	10	3568.37	10	3568.37	0	0	0	0	0	0	0	10	3568.37	0	0	0	0	0	10	3568.37	0	0	10	3568.37	0	0	10	3568.37	0	0	10	3568.37	0	0	10	3568.37											
9	PKD	10	2	3788.6	6	3464.33	8	3545.4	0	0	2	1924.7	2	1924.7	0	0	2	3788.6	8	3079.43	8	3788.6	2	1924.7	2	1924.7	2	3788.6	8	3079.43	10	3221.26	10	3221.26	10	3221.26	10	3221.26													
10	MLP	10	0	0	9	3018.76	9	3018.76	0	0	1	1455.67	1	1455.67	0	0	1	1455.67	5	376.69	5	376.69	5	376.69	5	376.69	0	0	12	556.61	12	556.61	12	556.61	12	556.61															
11	KKD	12	0	0	7	685.13	7	685.13	0	0	5	376.69	5	376.69	0	0	5	376.69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0													
12	WYD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
13	KNR	8	0	0	8	2338.48	8	2338.48	0	0	0	0	0	0	0	8	2338.48	0	0	0	0	0	8	2338.48	0	0	8	2338.48	0	0	8	2338.48	0	0	8	2338.48	0	0	8	2338.48											
14	KSGD	6	0	0	5	3953.82	5	3953.82	0	0	1	2787	1	2787	0	0	1	2787	0	0	0	0	0	1	2787	1	2787	0	0	6	3759.35	6	3759.35	6	3759.35	6	3759.35														
	State	99	37	4080.18	50	2895.18	87	3399.14	0	0	12	1000.4	12	1000.4	0	0	37	4080.18	62	2528.45	62	4080.18	37	1000.4	12	1000.4	0	0	99	3108.39	99	3108.39	99	3108.39	99	3108.39															

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES
 Table 8(iv)

Sl.No	District	STATE:KERALA		YEAR: 2009-10		SEASON:AUTUMN (PADDY)				CENTRAL SAMPLE										
		HY varieties		Other Varieties		Irrigated		Un irrigated		Irrigated		Un irrigated		Total						
		No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Typm	8	6	4736.62	2	4840.5	8	4762.59	0	0	0	0	0	0	6	4736.62	2	4840.5	8	4762.59
2	Kollam	6	2	1549.92	4	4690.4	6	3643.58	0	0	0	0	0	0	2	1549.92	4	4690.4	6	3643.58
3	Path	4	3	3675.06	1	3652.16	4	3669.34	0	0	0	0	0	0	3	3675.06	1	3652.16	4	3669.34
4	Alpy	6	2	3369.6	2	2809.87	4	3089.74	0	0	2	1385.28	2	1385.28	2	3369.6	4	2097.58	6	2521.58
5	Kottm	8	4	4670.87	4	3130.33	8	3900.6	0	0	0	0	0	0	4	4670.87	4	3130.33	8	3900.6
6	Idukki	4	4	3082.82	0	0	4	3082.82	0	0	0	0	0	0	4	3082.82	0	0	4	3082.82
7	Ekm	8	2	3469.87	6	3271.11	8	3320.8	0	0	0	0	0	0	2	3469.87	6	3271.11	8	3320.8
8	Thrs	9	0	0	8	2374.26	8	2374.26	0	0	1	2172.94	1	2172.94	0	0	9	2351.89	9	2351.89
9	Pakkd	10	2	5496.7	7	2598.66	9	3242.67	0	0	1	2515.6	1	2515.6	2	5496.7	8	2588.28	10	3169.96
10	Mlp	9	0	0	9	3552.96	9	3552.96	0	0	0	0	0	0	0	0	9	3552.96	9	3552.96
11	Kozhi	11	0	0	7	1319.35	7	1319.35	0	0	4	554.49	4	554.49	0	0	11	1041.22	11	1041.22
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	0	0	5	2948.34	5	2948.34	0	0	3	3018.33	3	3018.33	0	0	8	2974.59	8	2974.59
14	Ksrgd	6	0	0	5	3609.72	5	3609.72	0	0	1	668.88	1	668.88	0	0	6	3119.58	6	3119.58
State		97	25	3929.27	60	3017.49	85	3285.66	0	0	12	1616.74	12	1616.74	25	3929.27	72	2784.03	97	3079.2

Table 8(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		YEAR : 2009-10		SEASON : AUTUMN (PADDY)		STATE SAMPLE									
		No.	Yield Rate	No.	Yield Rate	No. of Experiments			Rate of application			No.	Yield Rate		
1	2	3	4	5	6	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
1	Thiruvananthapuram	8	4141.624	4	4461.558	8	7	6	8	4141.624	62.19	26	51.55	0	0
2	Kollam	6	4455.536	1	4828.152	6	6	6	6	4455.536	49.61	17.41	40.98	0	0
3	Pathanamthitta	4	4334.68	2	4082.464	4	4	4	4	4334.68	65.22	33	37.05	0	0
4	Alappuzha	6	2046.72	2	4329.936	3	3	2	3	3417.024	63.33	48	2	3	676.416
5	Kottayam	7	4673.966	2	4361.58	7	7	7	7	4673.966	80.96	49.51	45.37	0	0
6	Idukki	4	3409.562	4	3409.562	4	4	4	4	3409.562	60.28	22.83	54.77	0	0
7	Ernakulam	8	3428.115	2	3060.384	8	7	8	8	3428.115	33.91	28.28	29.91	0	0
8	Thrissur	10	3568.3692	5	3532.945	10	10	9	10	3568.369	58.53	30.66	62.76	0	0
9	Palakkad	10	3221.26	3	4005.2	7	6	6	7	3839.629	68.43	28	51	3	1778.4
10	Malappuram	10	2862.451	2	4348.496	9	9	4	9	2955.38	54.89	32.44	40.13	1	2026.088
11	Kozhikode	12	556.611	0	0	3	3	1	3	340.572	20.79	21.72	19	9	628.624
12	Wayanad	No Autumn Paddy													
13	Kannur	8	2338.479	3	2437.835	5	5	7	7	2543.439	34.68	27.18	26.16	1	903.76
14	Kasargod	6	3759.353	1	4552.1	6	5	3	6	3759.353	34.07	31.08	31.93	0	0
	Total	99	3108.39	31	3813.69	80	76	67	82	3558.27	52.84	30.47	37.89	17	938.35

Contd.....

Table 8(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	YEAR : 2009-10				SEASON : AUTUMN (PADDY)				STATE SAMPLE			
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	4	3821.69	4	4461.558	4	3821.69	0	0	8	4141.62
2	Kollam	0	0	5	4381.013	1	4828.152	5	4381.01	0	0	6	4455.54
3	Pathanamthitta	0	0	2	4586.896	2	4082.464	2	4586.9	0	0	4	4334.68
4	Alappuzha	2	879.84	3	1116.96	3	2976.48	1	1591.2	1	269.568	5	2402.15
5	Kottayam	0	0	5	4798.92	2	4361.58	5	4798.92	0	0	7	4673.97
6	Idukki	0	0	0	0	4	3409.562	0	0	0	0	4	3409.56
7	Ernakulam	0	0	6	3550.692	2	3060.384	6	3550.69	0	0	8	3428.12
8	Thrissur	0	0	5	3603.794	5	3532.945	5	3603.79	0	0	10	3568.37
9	Palakkad	2	1588.4	6	3006.433	4	3543.5	4	3715.45	1	2158.4	9	3339.36
10	Malappuram	1	2026.088	8	2490.94	2	4348.496	7	2557.35	0	0	10	2862.45
11	Kozhikode	8	658.571	11	571.844	1	389.052	3	340.572	1	389.052	11	571.844
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	4	2622.642	4	2054.316	4	2622.64	1	903.76	7	2543.44
14	Kasaragod	0	0	5	3600.804	1	4552.1	5	3600.8	0	0	6	3759.35
	Total	13	940.86	64	2902.89	35	3484.14	51	3403.02	4	930.2	95	3200.1

Table 8(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	YEAR : 2009-10				SEASON : AUTUMN (PADDY)				CENTRAL SAMPLE					
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers				Experiments not Treated with Fertilizers					
		No.	Yield Rate	No.	Yield Rate	No. of Experiments		Rate of application		No. of Experiments		Rate of application			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	4762.591	2	4840.5	8	8	8	8	4762.591	97.75	38.05	59.7	0	0
2	Kollam	6	3643.577	0	0	6	6	6	6	3643.577	61.67	21.83	28.67	0	0
3	Pathanamthitta	4	3669.336	2	4039.072	4	4	4	4	3669.336	60.83	34.65	48.85	0	0
4	Alappuzha	6	2521.584	2	2809.872	4	4	3	4	3089.736	80	43	3	2	1385.28
5	Kottayam	8	3900.6	6	3429.113	8	8	8	8	3900.6	77.53	38.28	71.6	0	0
6	Idukki	4	3082.82	2	3885.83	4	4	4	4	3082.82	54.75	39.25	34.25	0	0
7	Ernakulam	8	3320.804	4	3092.712	6	5	1	6	3044.819	48.17	22.6	57	2	4148.76
8	Thrissur	9	2351.888	5	2571.008	9	8	5	9	2351.888	67.11	31.88	61.2	0	0
9	Palakkad	10	3169.96	1	1717.6	9	8	6	9	3297.978	50.67	29.63	46	1	2017.8
10	Malappuram	9	3552.959	4	3624.364	8	8	5	8	3672.979	102.63	61.5	88.6	1	2592.8
11	Kozhikode	11	1041.218	1	3352.392	10	9	6	10	1021.716	53.8	39.11	54.17	1	1236.24
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	2974.587	0	0	8	8	6	8	2974.587	29.88	21.13	27.17	0	0
14	Kasargod	6	3119.582	0	0	5	5	2	5	3609.722	39.8	36	15	1	668.88
	Total	97	3079.2	29	3328.23	89	85	64	89	3158.41	63.43	35.15	45.79	8	2197.98

Table 8(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA

YEAR : 2009-10

SEASON : AUTUMN (PADDY)

CENTRAL SAMPLE

Sl.No	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	6	4736.621	2	4840.5	6	4736.62	0	0	8	4762.59
2	Kollam	0	0	6	3643.577	0	0	6	3643.58	0	0	6	3643.58
3	Pathanamthitta	0	0	2	3299.6	2	4039.072	2	3299.6	0	0	4	3669.34
4	Alappuzha	2	1385.28	4	2377.44	2	2809.872	2	3369.6	0	0	6	2521.58
5	Kottayam	0	0	2	5315.06	6	3429.113	2	5315.06	0	0	8	3900.6
6	Idukki	0	0	2	2279.81	2	3885.83	2	2279.81	0	0	4	3082.82
7	Ernakulam	0	0	2	2949.032	6	3444.728	2	2949.03	2	4148.76	6	3044.82
8	Thrissur	0	0	4	2077.988	5	2571.008	4	2077.99	0	0	9	2351.89
9	Palakkad	1	2017.8	9	3331.333	1	1717.6	8	3495.53	0	0	10	3169.96
10	Malappuram	1	2592.8	5	3495.835	4	3624.364	4	3721.59	0	0	9	3552.96
11	Kozhikode	1	1236.24	10	810.101	1	3352.392	9	762.752	0	0	11	1041.22
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	8	2974.587	0	0	8	2974.59	0	0	8	2974.59
14	Kasargod	1	668.88	6	3119.582	0	0	5	3609.72	0	0	6	3119.58
	Total	6	1547.71	66	2937.37	31	3381.16	60	3076.33	2	4148.76	95	3056.68

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

Table 9(f)

STATE : KERALA

YEAR : 2009-10

STATE SAMPLE

SEASON : WINTER

CROP : PADDY

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	6				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasaragod	6	6				
Total for all crops		100	100				

Table 9(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2009-10

CROP : Paddy

SEASON : Winter

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	6				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasargod	6	6				
	Total	100	100				

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Table 9(ii)

Sl.No	District	STATE:KERALA										STATE SAMPLE														
		YEAR:2009-10					SEASON:WINTER (PADDY)					Both Hy & Others					Total									
		HY varieties		Other Varieties			total		Irrigated		Un irrigated			Irrigated		Un irrigated			Irrigated		Un irrigated					
No. of expts. Checked at harvest	Irrigated	Un irrigated	Total	Yield Rate Kg/Ha	No. of Experiments	Irrigated	Un irrigated	Total	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Irrigated	Un irrigated	Total	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Irrigated	Un irrigated	Total	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
1	Tvpm	8	8	3223	0	0	8	3223	0	0	0	0	0	0	0	3223	0	0	0	0	0	0	0	0	3223	
2	Kollam	6	4	2970.45	1	3406.62	5	3057.69	1	3000	0	0	1	2999.76	5	2976.31	1	3406.62	6	3048.03	2	5409.23	4	932.76	6	2424.91
3	Path	4	4	4639.07	0	0	4	4639.07	0	0	0	0	0	0	4	4639.07	0	0	4	4639.07	0	0	0	0	4	4639.07
4	Alpy	6	2	5409.23	2	1184.39	4	3296.81	0	0	2	681.12	2	681.12	2	5409.23	4	932.76	6	3048.03	2	5409.23	4	932.76	6	2424.91
5	Ktm	8	7	3533.12	0	0	7	3533.12	1	3229	0	0	1	3229.04	8	3495.11	0	0	8	3495.11	0	0	0	0	8	3495.11
6	Idukki	4	4	3982.75	0	0	4	3982.75	0	0	0	0	0	0	4	3982.75	0	0	4	3982.75	0	0	0	0	4	3982.75
7	Ekrm	8	8	3700.33	0	0	8	3700.33	0	0	0	0	0	0	8	3700.33	0	0	8	3700.33	0	0	0	0	8	3700.33
8	Thrs	10	8	3606.02	0	0	8	3606.02	1	2262	1	1177.76	2	1719.88	9	3456.69	1	1177.76	10	3228.79	2	5409.23	4	932.76	6	2424.91
9	Pakkd	10	5	3802.01	4	3128.68	9	3502.75	1	3068	0	0	1	3067.9	6	3679.66	4	3128.68	10	3459.27	2	5409.23	4	932.76	6	2424.91
10	Mlp	10	3	2978.29	2	1834.47	5	2520.76	4	2288	1	785.4	5	1987.44	7	2583.81	3	1484.78	10	3459.27	2	5409.23	4	932.76	6	2424.91
11	Kozhi	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Wyd	4	2	3915.27	1	5390.5	3	4407.01	1	3195	0	0	1	3194.64	3	3675.06	1	5390.5	4	4103.92	2	5409.23	4	932.76	6	2424.91
13	Kannur	8	6	4008.25	0	0	6	4008.25	2	1259	0	0	2	1259.44	8	3321.05	0	0	8	3321.05	0	0	0	0	8	3321.05
14	Kstrgd	6	6	3494.85	0	0	6	3494.85	0	0	0	0	0	0	6	3494.85	0	0	6	3494.85	0	0	0	0	6	3494.85
	State	100	67	3685.79	10	2734.96	77	3562.31	11	2402	12	961.43	23	1650.49	78	3504.77	22	1767.58	100	3122.59	6	3494.85	6	3494.85	100	3122.59

Table 9(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	STATE:KERALA		YEAR:2009-10		SEASON:WINTER (PADDY)		CENTRAL SAMPLE												
		HY varieties		Other Varieties		Both Hy & Others		Irrigated		Un irrigated		Total								
		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated		Total						
		No of Expts	Yield Rate Kg/Ha	No of Expts	Yield Rate Kg/Ha	No of Expts	Yield Rate Kg/Ha	No of Expts	Yield Rate Kg/Ha	No of Expts	Yield Rate Kg/Ha	No of Expts	Yield Rate Kg/Ha	No of Expts	Yield Rate Kg/Ha					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tyvm	8	8	3796.24	0	0	8	3796.24	0	0	0	0	0	0	8	3796.24	0	0	8	3796.24
2	Kollam	6	0	0	2	2810.12	2	2810.12	0	0	4	2196.38	4	2196.38	0	0	6	2400.96	6	2400.96
3	Path	4	3	2913.92	1	2590.98	4	2833.18	0	0	0	0	0	0	3	2913.92	1	2590.98	4	2833.18
4	Alpy	6	0	0	3	4608.91	3	4608.91	0	0	3	1016.63	3	1016.63	0	0	6	2812.77	6	2812.77
5	Kolttm	8	8	3402.8	0	0	8	3402.8	0	0	0	0	0	0	8	3402.8	0	0	8	3402.8
6	Idukki	4	4	3310.2	0	0	4	3310.2	0	0	0	0	0	0	4	3310.2	0	0	4	3310.2
7	Ekrm	8	6	3142.07	2	2409.23	8	2958.86	0	0	0	0	0	0	6	3142.07	2	2409.23	8	2958.86
8	Thrs	10	4	3586.97	4	3067.37	8	3327.17	1	2660	1	1565.73	2	2113.04	5	3401.65	5	2767.04	10	3084.35
9	Pakkd	10	8	3883.24	1	2691.26	9	3750.8	0	0	1	2574.85	1	2574.85	8	3883.24	2	2633.06	10	3633.21
10	Mlp	10	4	3346.37	2	3515.6	6	3402.78	3	1770	1	2393.6	4	1926.1	7	2670.89	3	3141.6	10	2812.11
11	Kozhi	8	0	0	1	1179.74	1	1179.74	0	0	7	1238.31	7	1238.31	0	0	8	1230.99	8	1230.99
12	Wyd	4	3	4816.44	0	0	3	4816.44	1	2761	0	0	1	2761.34	4	4302.67	0	0	4	4302.67
13	Kannur	8	5	3789.97	0	0	5	3789.97	1	1671	2	1530.62	3	1577.33	6	3436.77	2	1530.62	8	2960.23
14	Ksrgd	6	4	2482.4	0	0	4	2482.4	2	2960	0	0	2	2960.32	6	2641.71	0	0	6	2641.71
	State	100	57	3518.52	16	3126.76	73	3432.65	8	2290	19	1584.16	27	1793.44	65	3367.37	35	2289.35	100	2990.06

Table 9(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	YEAR : 2009-10				SEASON : WINTER (PADDY)				STATE SAMPLE					
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers				Experiments not Treated with Fertilizers					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3223.001	0	0	8	8	7	8	3223.001	74.34	33.15	44.94	0	0
2	Kollam	6	3048.032	2	3685.912	6	6	5	6	3048.032	56.08	32.99	54.55	0	0
3	Pathanamthitta	4	4639.072	0	0	4	4	4	4	4639.072	51.93	31.75	37	0	0
4	Alappuzha	6	2424.913	2	5409.228	4	4	4	4	3296.81	50.31	23.75	16.85	2	681.12
5	Kottayam	8	3495.11	5	3717.74	8	7	7	8	3495.11	97	67.29	69.29	0	0
6	Idukki	4	3982.748	3	3882.069	4	4	2	4	3982.748	37.33	24.25	19.83	0	0
7	Ernakulam	8	3700.331	4	3170.458	8	7	8	8	3700.331	51.46	31.35	42.5	0	0
8	Thrissur	10	3228.794	5	3376.707	9	9	8	9	3456.687	48.31	20.6	36.62	1	1177.76
9	Palakkad	10	3459.267	3	3105.568	10	9	6	10	3459.267	61.8	39.78	55.33	0	0
10	Malappuram	10	2254.098	2	2945.25	8	7	6	8	2568.445	35.86	25.8	28.95	2	996.71
11	Kozhikode	8	1026.471	1	1307.384	3	2	0	3	799.387	36.89	19	0	5	1162.721
12	Wayanad	4	4103.919	1	4957.2	4	3	3	4	4103.919	41.67	64.33	0	0	0
13	Kannur	8	3321.045	2	5483.66	5	5	5	5	4121.936	44.02	24.12	31.52	3	1986.227
14	Kasaragod	6	3494.848	0	0	6	5	4	6	3494.848	19.11	13.77	12.32	0	0
	Total	100	3122.59	30	3680.99	87	80	69	87	3401.76	50.44	32.28	34.59	13	1254.29

Table 9(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	YEAR : 2009-10				SEASON : WINTER (PADDY)				STATE SAMPLE			
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	8	3223.001	0	0	8	3223	0	0	8	3223.001
2	Kollam	0	0	4	2729.092	2	3685.912	4	2729.09	0	0	6	3048.032
3	Paithanamthitta	0	0	4	4639.072	0	0	4	4639.07	0	0	4	4639.072
4	Alappuzha	2	681.12	4	932.756	2	5409.228	2	1184.39	0	0	6	2424.913
5	Kottayam	0	0	3	3124.06	5	3717.74	3	3124.06	0	0	8	3495.11
6	Idukki	0	0	1	4284.784	3	3882.069	1	4284.78	0	0	4	3982.748
7	Ernakulam	0	0	4	4230.204	4	3170.458	4	4230.2	0	0	8	3700.331
8	Thrissur	1	1177.76	5	3080.882	5	3376.707	4	3556.66	0	0	10	3228.794
9	Palakkad	0	0	7	3610.853	3	3105.568	7	3610.85	0	0	10	3459.267
10	Malappuram	2	996.71	8	2081.31	2	2945.25	6	2442.84	0	0	10	2254.098
11	Kozhikode	5	1162.72	7	986.34	1	1307.384	2	545.388	0	0	8	1026.471
12	Wayanad	0	0	3	3819.492	1	4957.2	3	3819.49	0	0	4	4103.919
13	Kannur	3	1986.23	6	2600.173	2	5483.66	3	3214.12	0	0	8	3321.045
14	Kasargod	0	0	6	3494.848	0	0	6	3494.85	0	0	6	3494.848
	Total	13	1254.29	70	2883.28	30	3680.99	57	3254.8	0	0	100	3122.59

Table 9(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA

YEAR : 2009-10

SEASON : WINTER (PADDY)

CENTRAL SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate	No.	Yield Rate	No. of Experiments			Rate of application			No.	Yield Rate		
						N	P	K	Exclusive Total	Yield Rate	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3796.243	0	0	7	6	5	7	3950.553	123.57	43.83	98.92	1	2716.072
2	Kollam	6	2400.957	0	0	6	6	5	6	2400.957	44.59	18	54.8	0	0
3	Pathanamthitta	4	2833.184	3	2552.619	4	4	2	4	2833.184	43.8	35.55	56.5	0	0
4	Alappuzha	6	2812.773	3	4558.459	4	4	4	4	3952.388	85	47.5	47.75	2	533.544
5	Kottayam	8	3402.8	5	3750.32	8	8	8	8	3402.8	85.76	43.07	72.42	0	0
6	Idukki	4	3310.202	1	3114.16	4	2	4	4	3310.202	48.63	52	53.7	0	0
7	Ernakulam	8	2958.86	1	913.12	5	5	4	5	2294.038	43.6	27.4	80	3	4066.896
8	Thrissur	10	3084.346	5	2649.267	9	9	8	9	3253.081	59.89	34.33	33.25	1	1565.728
9	Palakkad	10	3633.206	5	3547.264	9	10	8	10	3633.206	82.67	37.3	62.25	0	0
10	Malappuram	10	2812.106	2	2462.79	10	9	5	10	2812.106	66.7	29.78	51.6	0	0
11	Kozhikode	8	1230.991	2	2212.496	5	5	2	5	1481.444	48.4	43	70	3	813.569
12	Wayanad	4	4302.666	0	0	3	3	3	3	4816.44	15.67	55.67	1	1	2761.344
13	Kannur	8	2960.23	0	0	8	8	4	8	2960.23	50.5	31.75	27.5	0	0
14	Kasaragod	6	2641.707	0	0	6	6	2	6	2641.707	41	40	22	0	0
	Total	100	2990.06	27	3127.61	88	85	64	89	3103.99	59.98	38.51	52.26	11	2068.33

Table 9(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	YEAR : 2009-10						SEASON : WINTER (PADDY)						CENTRAL SAMPLE	
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both		No.	Yield Rate
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate		
1	2	17	18	19	20	21	22	23	24	25	26	27	28		
1	Thiruvananthapuram	1	2716.07	8	3796.243	0	0	7	3950.55	0	0	8	3796.243		
2	Kollam	0	0	6	2400.957	0	0	6	2400.96	0	0	6	2400.957		
3	Pathanamthitta	0	0	1	3674.88	3	2552.619	1	3674.88	0	0	4	2833.184		
4	Alappuzha	0	0	1	2134.176	5	2948.493	1	2134.18	2	533.544	4	3952.388		
5	Kottayam	0	0	3	2823.6	5	3750.32	3	2823.6	0	0	8	3402.8		
6	Idukki	0	0	3	3375.549	1	3114.16	3	3375.55	0	0	4	3310.202		
7	Ernakulam	0	0	4	2639.268	4	3278.452	4	2639.27	3	4066.896	5	2294.038		
8	Thrissur	1	1565.73	5	3519.424	5	2649.267	4	4007.85	0	0	10	3084.346		
9	Palakkad	0	0	5	3719.149	5	3547.264	5	3719.15	0	0	10	3633.206		
10	Malappuram	0	0	8	2899.435	2	2462.79	8	2899.44	0	0	10	2812.106		
11	Kozhikode	3	813.569	6	903.823	2	2212.496	3	994.076	0	0	8	1230.991		
12	Wayanad	1	2761.34	4	4302.666	0	0	3	4816.44	0	0	4	4302.666		
13	Kannur	0	0	8	2960.23	0	0	8	2960.23	0	0	8	2960.23		
14	Kasargod	0	0	6	2641.707	0	0	6	2641.71	0	0	6	2641.707		
	Total	6	1580.64	68	2960.2	32	3053.53	62	3093.7	5	2653.56	95	3007.78		

Table 10(f)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2009-10

STATE SAMPLE

SEASON : SUMMER

CROP : PADDY

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	6				
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	8				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	7		1		
14	Kasargod	6	6				
Total for all crops		100	99		1		

Table 10(i)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2009-10

CENTRAL SAMPLE

SEASON : Summer

CROP : Paddy

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	4	4				
4	Alappuzha	6	5		1		
5	Kottayam	8	8				
6	Idukki	4	4				
7	Ernakulam	8	7		1		
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	9	1			
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasargod	6	6				
	Total	100	97	1	2		

Table 10(iii)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE: KERALA YEAR: 2009-10 SEASON: SUMMER (PADDY) STATE SAMPLE

Sl.No	District	No. of expts. Checked at harvest	HY varieties				Other Varieties				Both Hy & Others									
			Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated		Total					
			No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Typm	8	8	1899.94	0	0	8	1899.94	0	0	0	0	0	0	8	1899.94	0	0	8	1899.94
2	Kollam	6	4	2085.29	0	0	4	2085.29	1	3093	1	43.92	2	1568.31	5	2286.77	1	43.92	6	1912.96
3	Path	4	4	3535.1	0	0	4	3535.1	0	0	0	0	0	0	4	3535.1	0	0	4	3535.1
4	Alpy	6	6	2963.51	0	0	6	2963.51	0	0	0	0	0	0	6	2963.51	0	0	6	2963.51
5	Kitm	8	8	3562.92	0	0	8	3562.92	0	0	0	0	0	0	8	3562.92	0	0	8	3562.92
6	Idukki	4	4	3964.97	0	0	4	3964.97	0	0	0	0	0	0	4	3964.97	0	0	4	3964.97
7	Ekrm	8	8	2655.48	0	0	8	2655.48	0	0	0	0	0	0	8	2655.48	0	0	8	2655.48
8	Thrs	10	6	1584	3	633.11	9	1267.03	1	1512	0	0	1	1512.08	7	1573.72	3	633.11	10	1291.54
9	Pakkd	10	10	3340.91	0	0	10	3340.91	0	0	0	0	0	0	10	3340.91	0	0	10	3340.91
10	Mlp	10	8	4725	1	3103.38	9	4544.82	1	4578	0	0	1	4577.58	9	4708.62	1	3103.38	10	4548.1
11	Kozhi	8	7	1382.49	0	0	7	1382.49	1	1014	0	0	1	1014.33	8	1336.47	0	0	8	1336.47
12	Wyd	4	3	4083.45	1	3792.04	4	4010.6	0	0	0	0	0	0	3	4083.45	1	3792.04	4	4010.6
13	Kannur	7	1	623.7	0	0	1	623.7	6	742	0	0	6	741.91	7	725.02	0	0	7	725.02
14	Ksrgd	6	5	3355.44	0	0	5	3355.44	1	2362	0	0	1	2362.2	6	3189.9	0	0	6	3189.9
State		99	82	2940.38	5	1758.95	87	2872.48	11	1546	1	43.92	12	1421.19	93	2775.5	6	1473.11	99	2696.57

Table 10(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	STATE:KERALA				YEAR: 2009-10				SEASON:SUMMER (PADDY)				CENTRAL SAMPLE						
		Irrigated		HY varieties		Total		Irrigated		Other Varieties		total		Irrigated		Both Hy & Others				
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	8	8	2712.93	0	0	8	2712.93	0	0	0	0	0	0	8	2712.93	0	0	8	2712.93
2	Kollam	6	6	3602.66	0	0	6	3602.66	0	0	0	0	0	0	6	3602.66	0	0	6	3602.66
3	Path	4	4	3394.8	0	0	4	3394.8	0	0	0	0	0	0	4	3394.8	0	0	4	3394.8
4	Alpy	5	4	4405.07	1	472.76	5	3618.61	0	0	0	0	0	0	4	4405.07	1	472.76	5	3618.61
5	Kottim	8	8	2498.5	0	0	8	2498.5	0	0	0	0	0	0	8	2498.5	0	0	8	2498.5
6	Idukki	4	3	3623.1	0	0	3	3623.1	1	3887	0	0	1	3886.94	4	3689.06	0	0	4	3689.06
7	EkM	7	7	1800.59	0	0	7	1800.59	0	0	0	0	0	0	7	1800.59	0	0	7	1800.59
8	Thrs	10	10	4931.96	0	0	10	4931.96	0	0	0	0	0	0	10	4931.96	0	0	10	4931.96
9	Pakkd	10	9	3433.76	1	484.63	10	3138.85	0	0	0	0	0	0	9	3433.76	1	484.63	10	3138.85
10	Mlp	9	5	5758.45	1	4494.42	6	5547.78	3	2417	0	0	3	2416.68	8	4505.29	1	4494.42	9	4504.08
11	Kozhi	8	6	1044.61	0	0	6	1044.61	2	643	0	0	2	642.63	8	944.12	0	0	8	944.12
12	Wyd	4	3	2464.51	1	3853.68	4	2811.81	0	0	0	0	0	0	3	2464.51	1	3853.68	4	2811.81
13	Kannur	8	6	2515.59	0	0	6	2515.59	0	0	2	694.98	2	694.98	6	2515.59	2	694.98	8	2060.44
14	Ksrgd	6	4	2892.3	0	0	4	2892.3	2	2580	0	0	2	2579.82	6	2788.14	0	0	6	2788.14
	State	97	83	3220.72	4	2326.37	87	3179.6	8	2198	2	694.98	10	1897.18	91	3130.79	6	1782.58	97	3047.4

Table 10(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA

YEAR : 2009-10

SEASON : SUMMER (PADDY)

STATE SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No. of Experiments			Rate of application			No.	Yield Rate(KG/Ha)		
						N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	1899.938	0	0	8	8	8	8	1899.938	82.63	46.18	680.43	0	0
2	Kollam	6	1912.96	1	3092.7	6	6	3	6	1912.96	42.66	18.13	27.4	0	0
3	Pathanamthitta	4	3535.1	2	4535.6	4	4	4	4	3565.46	57.5	26.8	31.75	0	0
4	Alappuzha	6	2963.51	3	3828	5	5	5	5	3311.22	69.4	34.2	5	1	1224.96
5	Kottayam	8	3562.925	8	3562.925	8	8	8	8	3562.925	67.88	34.5	52.25	0	0
6	Idukki	4	3964.972	1	4407.176	4	4	2	4	3964.972	46.49	26.88	17.02	0	0
7	Ernakulam	8	2655.484	3	2458.544	8	8	8	8	2655.484	49.75	31	37.98	0	0
8	Thrissur	10	1291.5376	6	1103.941	8	8	8	8	1256.225	65.75	36.8	49.94	2	1432.788
9	Palakkad	10	3340.908	5	2618.158	8	8	7	8	2989.359	62.38	24.5	48.86	2	4747.104
10	Malappuram	10	4548.096	4	5662.44	10	9	10	10	4548.096	57.4	31.22	53.9	0	0
11	Kozhikode	8	1336.468	3	1219.176	8	7	6	8	1336.468	51.13	33.71	42.33	0	0
12	Wayanad	4	4010.596	1	6425.92	3	3	2	3	4083.448	29.33	14.9	1	1	3792.04
13	Kannur	7	725.019	0	0	7	6	6	7	725.019	23.47	17.23	19.33	0	0
14	Kasaragod	6	3189.9	2	4305.9	6	6	3	6	3189.9	42.49	28.14	29.33	0	0
		99	2696.57	39	3204.96	93	90	80	93	2685	53.45	28.87	78.32	6	2896.13

Table 10(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2009-10

SEASON : SUMMER (PADDY)

STATE SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	8	1899.938	0	0	8	1899.94	0	0	8	1899.938
2	Kollam	0	0	5	1677.012	1	3092.7	5	1677.01	0	0	6	1912.96
3	Pathanamthitta	0	0	2	2595.32	2	4535.6	2	2595.32	0	0	4	3565.46
4	Alappuzha	0	0	2	2536.05	4	3177.24	2	2536.05	1	1224.96	5	3311.22
5	Kottayam	0	0	0	0	8	3562.925	0	0	0	0	8	3562.925
6	Idukki	0	0	3	3817.571	1	4407.176	3	3817.57	0	0	4	3964.972
7	Ernakulam	0	0	5	2773.648	3	2458.544	5	2773.65	0	0	8	2655.484
8	Thrissur	0	0	2	1713.076	8	1186.153	2	1713.08	2	1432.788	8	1256.225
9	Palakkad	0	0	3	3608.028	7	3226.428	3	3608.03	2	4747.104	8	2989.359
10	Malappuram	0	0	6	3805.2	4	5662.44	6	3805.2	0	0	10	4548.096
11	Kozhikode	0	0	5	1406.843	3	1219.176	5	1406.84	0	0	8	1336.468
12	Wayanad	0	0	2	2912.212	2	5108.98	2	2912.21	1	3792.04	3	4083.448
13	Kannur	0	0	7	725.019	0	0	7	725.019	0	0	7	725.019
14	Kasargod	0	0	4	2631.9	2	4305.9	4	2631.9	0	0	6	3189.9
	Total	0	0	54	2309.46	45	3163.79	54	2309.46	6	2896.13	93	2685

Table 10(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2009-10 SEASON : SUMMER (PADDY) CENTRAL SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		Rate of application		No. of Experiments		Rate of application						Yield			
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N	P	K	No.	Yield Rate(KG/Ha)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	2712.934	0	0	8	8	7	8	2712.934	63.5	37	60.57	0	0
2	Kollam	6	3602.66	1	2283.84	6	6	6	6	3602.66	46.67	43.67	63.67	0	0
3	Pathanamthitta	4	3394.8	3	3256.8	4	4	3	4	3394.8	48.68	21.2	54.07	0	0
4	Alappuzha	5	3618.608	2	3799.29	4	4	4	4	4405.071	105.5	68	66.5	1	472.758
5	Kottayam	8	2498.497	4	2349.018	8	8	8	8	2498.497	90.25	47.5	52.38	0	0
6	Idukki	4	3689.059	1	3574.792	4	4	4	4	3689.059	56.25	33	45.5	0	0
7	Ernakulam	7	1800.594	5	1678.112	7	7	7	7	1800.594	37.43	30.29	45.57	0	0
8	Thrissur	10	4931.9624	2	6190.308	10	10	10	10	4931.962	81.7	38.6	73.6	0	0
9	Pala k kad	10	3138.8508	4	3184.452	10	10	8	10	3138.851	125.7	49.9	76.88	0	0
10	Malappuram	9	4504.08	2	6596.1	8	8	5	8	4537.418	73	56.63	52.6	1	4237.38
11	Kozhikode	8	944.118	2	1113.448	8	8	6	8	944.118	87.38	55.13	70	0	0
12	Wayanad	4	2811.807	1	1490.664	3	3	2	4	2811.807	34	25.67	62.5	0	0
13	Kannur	8	2060.438	0	0	6	6	4	6	2515.59	56.67	32.5	71.5	2	694.98
14	Kasaragod	6	2788.14	0	0	6	5	6	6	2788.14	76	73.2	58	0	0
	Total	97	3047.4	27	3075.65	92	91	80	93	3112.87	70.2	43.74	60.95	4	1525.02

Table 10(viii)
CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA

YEAR : 2009-10

SEASON : SUMMER (PADDY)

CENTRAL SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	8	2712.934	0	0	8	2712.93	0	0	8	2712.934
2	Kollam	0	0	5	3866.424	1	2283.84	5	3866.42	0	0	6	3602.66
3	Pathanamthitta	0	0	1	3808.8	3	3256.8	1	3808.8	0	0	4	3394.8
4	Alappuzha	1	472.758	3	3498.154	2	3799.29	2	5010.85	0	0	5	3618.608
5	Kottayam	0	0	4	2647.976	4	2349.018	4	2647.98	0	0	8	2498.497
6	Idukki	0	0	3	3727.148	1	3574.792	3	3727.15	0	0	4	3689.059
7	Ernakulam	0	0	2	2106.8	5	1678.112	2	2106.8	0	0	7	1800.594
8	Thrissur	0	0	8	4617.376	2	6190.308	8	4617.38	0	0	10	4931.962
9	Palakkad	0	0	6	3108.45	4	3184.452	6	3108.45	0	0	10	3138.851
10	Malappuram	0	0	6	3851.19	3	5809.86	6	3851.19	1	4237.38	8	4537.418
11	Kozhikode	0	0	6	887.675	2	1113.448	6	887.675	0	0	8	944.118
12	Wayanad	0	0	3	3252.188	1	1490.664	3	3252.19	0	0	4	2811.807
13	Kannur	2	694.98	8	2060.438	0	0	6	2515.59	0	0	8	2060.438
14	Kasargod	0	0	6	2788.14	0	0	6	2788.14	0	0	6	2788.14
	Total	3	620.91	69	3019.1	28	3117.14	66	3128.1	1	4237.38	96	3035

Table 11(i)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2009-10

STATE SAMPLE

SEASON : ANNUAL

CROP : BANANA

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	4	4				
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	4	4				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	6	6				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad	4	4				
13	Kannur	4	4				
14	Kasargod	4	4				
Total for all crops		60	60	0			

Table 11(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2009-10

CENTRAL SAMPLE

SEASON : Annual

CROP : Banana

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1.	2		4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	4	4				
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	4	4				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	6	6				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad	4	4				
13	Kannur	4	4				
14	Kasargod	4	4				
	Total	60	60				
	% to col.3						

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Table 11(III)

STATE: KERALA YEAR: 2009-10 SEASON: ANNUAL CROP: BANANA STATE SAMPLE

Sl. No	District	HY varieties						Other Varieties						Both Hy & Others						
		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total		
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	0	0	0	0	0	0	4	1666.7	0	0	4	16666.7	4	16666.7	0	0	4	16666.67
2	Kollam	4	0	0	0	0	0	0	3	9422	1	9600	4	9466.67	3	9422.22	1	9600	4	9466.67
3	Pthhta	4	0	0	0	0	0	0	1	22667	3	18844.4	4	19800	1	22666.7	3	18844.4	4	19800
4	Alpza	4	0	0	0	0	0	0	4	12417	0	0	4	12416.7	4	12416.7	0	0	4	12416.67
5	Kotym	4	0	0	0	0	0	0	0	0	4	17991.7	4	17991.7	0	0	4	17991.7	4	17991.67
6	Idukki	4	0	0	0	0	0	0	2	14667	2	17366.7	4	16016.7	2	14666.7	2	17366.7	4	16016.67
7	Ernkim	4	0	0	0	0	0	0	2	10000	2	15716.7	4	12858.3	2	10000	2	15716.7	4	12858.33
8	Trissur	4	0	0	0	0	0	0	4	17842	0	0	4	17841.7	4	17841.7	0	0	4	17841.67
9	Palkkad	6	1	18000	0	0	1	18000	5	14453	0	0	5	14453.3	6	15044.4	0	0	6	15044.44
10	Mipram	6	0	0	0	0	0	0	5	18547	1	15166.7	6	17983.3	5	18546.7	1	15166.7	6	17983.33
11	Kozkd	4	0	0	0	0	0	0	4	15683	0	0	4	15683.3	4	15683.3	0	0	4	15683.33
12	Wynad	4	0	0	0	0	0	0	3	14116	1	8240	4	12646.7	3	14115.6	1	8240	4	12646.67
13	Kannur	4	0	0	0	0	0	0	4	18800	0	0	4	18800	4	18800	0	0	4	18800
14	Ksrgod	4	0	0	0	0	0	0	4	12792	0	0	4	12791.7	4	12791.7	0	0	4	12791.67
	State	60	1	18000	0	0	1	18000	45	15209	14	16262.4	59	15459.1	46	15269.9	14	16262.4	60	15501.44

Table 11(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE: KERALA YEAR: 2009-10

SEASON: ANNUAL (BANANA)

CENTRAL SAMPLE

Sl. No.	District	HY varieties				Other Varieties				Both Hy & Others										
		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated								
		No. of Expts	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Typm	4	2	16950	0	0	2	16950	2	12883	0	0	2	12883.3	4	14916.7	0	0	4	14916.67
2	Kollam	4	0	0	0	0	0	0	1	9067	3	11055.6	4	10558.3	1	9066.67	3	11055.6	4	10558.33
3	Path	4	0	0	0	0	0	0	4	17242	0	0	4	17241.7	4	17241.7	0	0	4	17241.67
4	Alpy	4	0	0	0	0	0	0	4	9958	0	0	4	9958.33	4	9958.33	0	0	4	9958.33
5	Kottim	4	0	0	0	0	0	0	2	15100	2	15900	4	15500	2	15100	2	15900	4	15500
6	Idukki	4	0	0	0	0	0	0	0	0	4	18975	4	18975	0	0	4	18975	4	18975
7	Ekim	4	0	0	0	0	0	0	3	18529	1	22353.3	4	19535	3	18528.9	1	22553.3	4	19535
8	Thrs	4	0	0	0	0	0	0	4	14067	0	0	4	14066.7	4	14066.7	0	0	4	14066.67
9	Pakkd	6	2	14333.3	0	0	2	14333.33	2	18050	2	12700	4	15375	4	16191.7	2	12700	6	15027.78
10	Mlp	6	1	11400	0	0	1	11400	3	16089	2	16000	5	16053.3	4	14916.7	2	16000	6	15277.78
11	Kozhi	4	0	0	0	0	0	0	4	13800	0	0	4	13800	4	13800	0	0	4	13800
12	Wyd	4	0	0	0	0	0	0	1	14667	3	12888.9	4	13333.3	1	14666.7	3	12888.9	4	13333.33
13	Kannur	4	0	0	0	0	0	0	4	19842	0	0	4	19841.7	4	19841.7	0	0	4	19841.67
14	Ksrgd	4	0	0	0	0	0	0	4	15933	0	0	4	15933.3	4	15933.3	0	0	4	15933.33
	State	60	5	14793.3	0	0	5	14793.33	38	15343	17	15263.9	55	15318.3	43	15278.8	17	15263.9	60	15274.56

Table 11(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl. No.	District	YEAR : 2009-10				SEASON : ANNUAL (BANANA)				STATE SAMPLE					
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers				Experiments not Treated with Fertilizers					
		No. of Experiments		Yield Rate		No. of Experiments		Yield Rate		Rate of application		No. of Experiments		Yield Rate	
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	16666.667	0	0	4	4	2	4	16666.667	285	170	540	0	0
2	Kollam	4	9466.667	0	0	4	4	2	4	9466.667	210.72	125.5	282.3	0	0
3	Pathanamthitta	4	19800	0	0	4	3	2	4	19800	408.25	216.67	351	0	0
4	Alappuzha	4	12416.667	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	17991.667	1	19333.3	3	3	0	3	18733.333	156.67	156.67	0	4	12416.67
6	Idukki	4	16016.667	2	14666.7	3	1	2	3	15622.222	101.17	39.52	90	1	15766.67
7	Ernakulam	4	12858.333	1	10333.3	4	4	4	4	12858.333	107.23	55.48	110.13	0	17200
8	Thrissur	4	17841.667	0	0	4	4	4	4	17841.667	161.6	69.6	159.4	0	0
9	Palakkad	6	15044.444	1	14466.7	6	6	6	6	15044.444	233.67	103.33	210	0	0
10	Malappuram	6	17983.333	0	0	4	4	2	4	18225	240.5	235.75	171.5	2	17500
11	Kozhikode	4	15683.333	0	0	2	1	2	2	16033.333	234	100	300	2	15333.33
12	Wayanad	4	12646.667	0	0	2	0	1	2	14710	21.8	0	36	2	10583.33
13	Kannur	4	18800	0	0	4	4	1	4	18800	195.5	172.5	180	0	0
14	Kasaragod	4	12791.667	0	0	4	4	3	4	12791.667	149.28	48.08	170.88	0	0
	Total	60	15501.44	5	14693.3	48	42	31	48	15846.25	192.72	124.43	216.77	12	14122.22

Table 11(vi)

CROP-WISE RATE OF APPLICATION FERTILIZERS AND YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	YEAR: 2009-10		SEASON : ANNUAL		CROP : BANANA		STATE SAMPLE					
		STATE: KERALA		Experiments Treated With Manure		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure					
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)				
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	4	16666.667	0	0	4	16666.7	0	0	4	16666.7
2	Kollam	0	0	4	9466.667	0	0	4	9466.67	0	0	4	9466.67
3	Pathanamthitta	0	0	4	19800	0	0	4	19800	0	0	4	19800
4	Alappuzha	4	12416.667	4	12416.667	0	0	0	0	0	0	4	12416.7
5	Kottayam	1	15766.667	3	17544.444	1	19333.33	2	18433.3	0	0	4	17991.7
6	Idukki	1	17200	2	17366.667	2	14666.67	1	17533.3	0	0	4	16016.7
7	Ernakulam	0	0	3	13700	1	10333.33	3	13700	0	0	4	12858.3
8	Thrissur	0	0	4	17841.667	0	0	4	17841.7	0	0	4	17841.7
9	Palakkad	0	0	5	15160	1	14466.67	5	15160	0	0	6	15044.4
10	Malappuram	2	17500	6	17983.333	0	0	4	18225	0	0	6	17983.3
11	Kozhikode	2	15333.333	4	15683.333	0	0	2	16033.3	0	0	4	15683.3
12	Wayanad	0	0	2	14710	2	10583.33	2	14710	2	10583.333	2	14710
13	Kannur	0	0	4	18800	0	0	4	18800	0	0	4	18800
14	Kasargod	0	0	4	12791.667	0	0	4	12791.7	0	0	4	12791.7
	Total	10	14830	53	15763.27	7	13519.05	43	15980.3	2	10583.33	58	15671

Table 11(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

S.No.	District	STATE : KERALA		YEAR : 2009-10		SEASON : ANNUAL (BANANA)		CENTRAL SAMPLE							
		Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers							Experiments not Treated with Fertilizers		
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No. of Experiments	Rate of application				No.	Yield Rate(KG/Ha)			
				N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N	P	K	No.	Yield Rate(KG/Ha)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	14916.667	0	0	3	3	1	3	16133.333	91.4	56.4	9	1	11266.67
2	Kollam	4	10558.333	0	0	2	2	0	2	11316.667	49.5	49.5	0	2	9800
3	Pathanamthitta	4	17241.667	1	10333.3	4	3	1	4	17241.667	33.65	21.53	45	0	0
4	Alappuzha	4	9958.333	0	0	0	0	0	0	0	0	0	0	4	9958.333
5	Kottayam	4	15500	1	9133.33	2	2	3	3	16600	23	23	32.33	1	12200
6	Idukki	4	18975	0	0	1	1	1	1	23166.667	132	40	90	3	17577.78
7	Ernakulam	4	19535	0	0	4	4	0	4	19535	99.25	30	0	0	0
8	Thrissur	4	14066.667	0	0	3	3	3	3	16266.667	77	47.67	77.33	1	7466.667
9	Palakkad	6	15027.778	0	0	6	6	6	6	15027.778	393.33	169.67	292	0	0
10	Malappuram	6	15277.778	0	0	6	5	4	6	15277.778	823.5	265	486.5	0	0
11	Kozhikode	4	13800	0	0	3	3	2	3	14222.222	182	182	312.5	1	12533.33
12	Wayanad	4	13333.333	1	10666.7	4	4	3	4	13333.333	349.5	184.33	0	0	0
13	Kannur	4	19841.667	0	0	3	3	2	3	20333.333	112	79.67	113	1	18366.67
14	Kasargod	4	15933.333	0	0	3	3	3	3	18288.889	220.67	188.33	295	1	8866.667
	Total	60	15274.56	3	10044.4	44	42	29	45	16302.37	198.98	102.85	159.33	15	12191.11

Table 11(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2009-10 SEASON : ANNUAL(BANANA) CENTRAL SAMPLE

Sl. No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	1	11266.667	4	14916.667	0	0	3	16133.3	0	0	4	14916.7
2	Kollam	2	9800	4	10558.333	0	0	2	11316.7	0	0	4	10558.3
3	Pathanamthitta	0	0	3	19544.444	1	10333.33	3	19544.4	0	0	4	17241.7
4	Alappuzha	4	9958.333	4	9958.333	0	0	0	0	0	0	4	9958.33
5	Kottayam	1	12200	3	17622.222	1	9133.333	2	20333.3	0	0	4	15500
6	Idukki	2	19033.333	3	20411.111	1	14666.67	1	23166.7	1	14666.667	3	20411.1
7	Ernakulam	0	0	4	19535	0	0	4	19535	0	0	4	19535
8	Thrissur	1	7466.667	4	14066.667	0	0	3	16266.7	0	0	4	14066.7
9	Palakkad	0	0	6	15027.778	0	0	6	15027.8	0	0	6	15027.8
10	Malappuram	0	0	6	15277.778	0	0	6	15277.8	0	0	6	15277.8
11	Kozhikode	1	12533.333	4	13800	0	0	3	14222.2	0	0	4	13800
12	Wayanad	0	0	3	14222.222	1	10666.67	3	14222.2	0	0	4	13333.3
13	Kannur	1	18366.667	4	19841.667	0	0	3	20333.3	0	0	4	19841.7
14	Kasaragod	1	8866.667	4	15933.333	0	0	3	18288.9	0	0	4	15933.3
	Total	14	12014.29	56	15565.6	4	11200	42	16749.4	1	14666.67	59	15284.9

Table 12(i)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2009-10

SEASON : Annual

STATE SAMPLE

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
Total		40	40				

Table 12(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2009-10

CENTRAL SAMPLE

Sl.No.	District	SEASON : Annual		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
Total		40	40				

CROP : Tapioca

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Table 12(m)

Sl.No	District	STATE:KERALA										STATE SAMPLE									
		YEAR:2009-10					SEASON:ANNUAL CROP:TAPIOCA					Both Hy & Others					Total				
		Irrigated		Un irrigated		Total	Irrigated		Un irrigated		total	Irrigated		Un irrigated		Total	Irrigated		Un irrigated		Total
No. of Expts	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
1	Typm	4	0	0	2	19125	2	19125	1	13750	1	4375	2	9062.5	1	13750	3	14208.3	4	14093.75	
2	Kollam	4	0	0	0	0	1	36250	3	33041.7	4	33843.8	1	36250	3	33041.7	4	33843.75	4	33843.75	
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Kottm	4	0	0	0	0	0	0	0	0	4	35250	4	35250	0	0	4	35250	4	35250	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Ekcm	4	0	0	3	42150	3	42150	0	0	1	51250	1	51250	0	0	0	0	0	0	
8	Thrs	4	0	0	1	13750	1	13750	1	23750	2	18750	3	20416.7	1	23750	3	17083.3	4	44425	
9	Pakkd	4	1	43750	0	0	1	43750	1	31250	2	26875	3	28333.3	2	37500	2	26875	4	18750	
10	Mlp	4	1	116250	1	14500	2	65375	2	12625	0	0	2	12625	3	47166.7	1	14500	4	32187.5	
11	Kozhi	4	0	0	0	0	0	0	2	26250	2	19375	4	22812.5	2	26250	2	19375	4	39000	
12	Wyvd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	0	0	1	100000	1	100000	0	0	3	46083.3	3	46083.3	0	0	4	59562.5	4	59562.5	
14	Kstgd	4	0	0	0	0	0	0	4	20312.5	4	20312.5	4	20312.5	0	0	4	20312.5	4	20312.5	
	State	40	2	80000	8	36618.75	10	45295	8	22844	22	29329.6	30	27600	10	34275	30	31273.3	40	32023.75	

Table 12(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	STATE:KERALA		YEAR: 2009-10				SEASON:ANNUAL (TAPIOCA)				CENTRAL SAMPLE								
		HY varieties		Other Varieties		Both Hy & Others		Irrigated		Un irrigated		Irrigated		Un irrigated		Total				
		No. of expts. Checked at harvest	Irrigated	Un irrigated	Total	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tyvm	4	2	10000	1	36250	3	18750	0	0	1	32500	1	32500	2	10000	2	34375	4	22187.5
2	Kollam	4	0	0	0	0	0	0	1	21250	3	19416.7	4	19875	1	21250	3	19416.7	4	19875
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Koitm	4	1	7500	1	16250	2	11875	0	0	2	67500	2	67500	1	7500	3	50416.7	4	39687.5
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekrm	4	0	0	1	80000	1	80000	1	48750	2	80625	3	70000	1	48750	3	80416.7	4	72500
8	Thrs	4	0	0	0	0	0	0	1	16250	3	17916.7	4	17500	1	16250	3	17916.7	4	17500
9	Pakkd	4	0	0	2	32875	2	32875	0	0	2	14375	2	14375	0	0	4	23625	4	23625
10	Mlp	4	0	0	1	63750	1	63750	1	22500	2	27500	3	25833.3	1	22500	3	39583.3	4	35312.5
11	Kozhi	4	0	0	3	26666.67	3	26666.67	0	0	1	15000	1	15000	0	0	4	23750	4	23750
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	0	0	4	29843.8	4	29843.8	0	0	4	29843.8	4	29843.75
14	Ksrgd	4	0	0	0	0	0	0	1	18750	3	19500	4	19312.5	1	18750	3	19500	4	19312.5
State	40	3	9166.67	9	38000	12	30791.67	5	25500	23	31190.2	28	30174.1	8	19375	32	33105.5	40	30359.38	

Table 12(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2009-10 SEASON : ANNUAL CROP:TAPIOCA STATE SAMPLE

Sl.No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		Yield Rate(KG/Ha)		Yield Rate(KG/Ha)		No.of Experiments			Rate of application			Yield Rate(KG/Ha)	No.		
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	14093.75	0	0	0	0	0	0	0	0	0	0	4	14093.75
2	Kollam	4	33843.75	0	0	0	0	0	0	0	0	0	0	4	33843.75
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	35250	1	23750	2	2	2	2	28000	69	69	138	2	42500
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	44425	1	48750	1	0	2	2	50000	32.07	0	62.74	2	38850
8	Thrissur	4	18750	0	0	0	0	0	0	0	0	0	0	4	18750
9	Palakkad	4	32187.5	0	0	1	0	0	1	31250	23	0	0	3	32500
10	Malappuram	4	39000	0	0	0	0	0	0	0	0	0	0	4	39000
11	Kozhikode	4	22812.5	0	0	0	0	0	0	0	0	0	0	4	22812.5
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	59562.5	0	0	1	1	1	2	32250	50	50	75	2	96875
14	Kasaragod	4	20312.5	2	11250	3	2	2	3	20416.667	13.42	5.76	11.52	1	20000
	State	40	32023.75	4	23750	8	5	7	10	31300	37.5	41.59	71.82	30	32265

Table 12(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2009-10 SEASON : ANNUAL CROP:TAPIOCA STATE SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Rate(KG/Ha)	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	3	17333.333	3	17333.333	1	4375	0	0	1	4375	3	17333.3
2	Kollam	4	33843.75	4	33843.75	0	0	0	0	0	0	4	33843.8
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	2	42500	3	39083.333	1	23750	1	32250	0	0	4	35250
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	1	18750	2	35000	2	53850	1	51250	1	58950	3	39583.3
8	Thrissur	3	16666.667	3	16666.667	1	25000	0	0	1	25000	3	16666.7
9	Palakkad	1	43750	2	37500	2	26875	1	31250	2	26875	2	37500
10	Malappuram	3	47166.667	3	47166.667	1	14500	0	0	1	14500	3	47166.7
11	Kozhikode	3	24583.333	3	24583.333	1	17500	0	0	1	17500	3	24583.3
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	2	32250	2	86875	2	32250	2	86875	2	32250
14	Kasargod	1	20000	2	29375	2	11250	1	38750	0	0	4	20312.5
	State	21	29529.76	27	31041.67	13	34063.46	6	36333.3	9	38647.22	31	30100.8

Table 12(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA

YEAR : 2009-10

SEASON : ANNUAL CROP: TAPIOCA

CENTRAL SAMPLE

Sl. No	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate	No.	Yield Rate	No. of Experiments			Rate of application			No.	Yield Rate		
						N	P	K	Yield Rate	N	P			K	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	22187.5	1	32500	2	2	1	2	34375	38.5	38.5	67	2	10000
2	Kollam	4	19875	0	0	0	0	0	0	0	0	0	0	4	19875
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	39687.5	1	71250	2	2	3	3	47500	142.1	109.6	171.13	1	16250
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	72500	0	0	1	1	1	1	105000	36	36	108	3	61666.67
8	Thrissur	4	17500	0	0	0	0	0	0	0	0	0	0	4	17500
9	Palakkad	4	23625	0	0	2	2	2	2	21000	42	45	152	2	26250
10	Malappuram	4	35312.5	0	0	3	3	1	3	39583.333	159.67	66.33	138	1	22500
11	Kozhikode	4	23750	0	0	0	0	0	0	0	0	0	0	4	23750
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	kannur	4	29843.75	0	0	0	0	0	0	0	0	0	0	4	29843.75
14	Kasaragod	4	19312.5	0	0	2	2	2	2	21500	58	58	58	2	17125
	Total	40	30359.38	2	51875	12	12	10	13	40000	79.38	58.91	115.69	27	25717.59

Table 12(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2009-10 SEASON : ANNUAL CROP: TAPIOCA CENTRAL SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	1	12500	2	24375	2	20000	1	36250	1	7500	3	27083.3
2	Kollam	4	19875	4	19875	0	0	0	0	0	0	4	19875
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	1	16250	3	29166.667	1	71250	2	35625	0	0	4	39687.5
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	3	61666.667	4	72500	0	0	1	105000	0	0	4	72500
8	Thrissur	1	16250	1	16250	3	17916.67	0	0	3	17916.667	1	16250
9	Palakkad	0	0	2	21000	2	26250	2	21000	2	26250	2	21000
10	Malappuram	1	22500	4	35312.5	0	0	3	39583.3	0	0	4	35312.5
11	Kozhikode	3	26666.667	3	26666.667	1	15000	0	0	1	15000	3	26666.7
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	29843.75	4	29843.75	0	0	0	0	0	0	4	29843.8
14	Kasargod	2	17125	4	19312.5	0	0	2	21500	0	0	4	19312.5
	Total	20	28281.25	31	31673.39	9	25833.33	11	37840.9	7	18392.86	33	32897.7

Table 13(i)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2009-10

STATE SAMPLE

SEASON : Annual

CROP : Plantain

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
	Total	40	40				

Table 13(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2009-10

CENTRAL SAMPLE

SEASON : Annual

CROP : Plantain

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
	Total	40	40				

Table 13(iii)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl No.	District	STATE:KERALA		YEAR: 2009-10		CROP:PLANTAIN						STATE SAMPLE								
		HY varieties			Other Varieties			Both Hy & Others		Total	No. of Experiments	Yield Rate Kg/Ha	Total							
		Irrigated	Un irrigated		Irrigated	Un irrigated		Irrigated	Un irrigated											
			No. of Experiments	Yield Rate Kg/Ha		No. of Experiments	Yield Rate Kg/Ha		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	0	0	0	0	0	0	1	22000	3	16566.7	4	17925	1	22000	3	16566.7	4	17925
2	Kollam	4	0	0	1	12033.33	1	12033.33	0	0	3	16488.9	3	16488.9	0	0	4	15375	4	15375
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottm	4	0	0	0	0	0	0	0	0	4	13825	4	13825	0	0	4	13825	4	13825
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekrm	4	0	0	0	0	0	0	1	21866.7	3	20666.7	4	20966.7	1	21866.7	3	20666.7	4	20966.7
8	Thrs	4	0	0	0	0	0	0	2	14793.3	2	14833.3	4	14813.3	2	14793.3	2	14833.3	4	14813.3
9	Pakkd	4	1	22000	1	10133.33	2	16066.67	1	19666.7	1	15600	2	17633.3	2	20833.3	2	12866.7	4	16850
10	Mlp	4	0	0	0	0	0	0	1	42266.7	3	13933.3	4	21016.7	1	42266.7	3	13933.3	4	21016.7
11	Kozhi	4	0	0	0	0	0	0	1	7300	3	9155.56	4	8691.67	1	7300	3	9155.56	4	8691.67
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	0	0	4	22525	4	22525	0	0	4	22525	4	22525
14	Ksrgd	4	0	0	0	0	0	0	4	9520	0	0	4	9520	4	9520	0	0	4	9520
	State	40	1	22000	2	11083.33	3	14722.22	11	16433.3	26	16196.2	37	16266.7	12	16897.2	28	15831	40	16150.83

Table 13(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE:KERALA YEAR: 2009-10 SEASON:ANNUAL(PLANTAIN) CENTRAL SAMPLE

Sl.No	District	No. of expts. Checked at harvest				HY varieties				Other Varieties				Both Hy & Others						
		Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total		
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tyvm	4	1	16900	0	0	1	16900	2	15633	1	17333.3	3	16200	3	16055.6	1	17333.3	4	16375
2	Kollam	4	0	0	0	0	0	0	1	9333	3	12533.3	4	11733.3	1	9333.33	3	12533.3	4	11733.33
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Koltn	4	0	0	0	0	0	0	0	0	4	16450	4	16450	0	0	4	16450	4	16450
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekrm	4	0	0	0	0	0	0	1	13833	3	15962.2	4	15430	1	13833.3	3	15962.2	4	15430
8	Thrs	4	0	0	0	0	0	0	2	13050	2	9233.33	4	11141.7	2	13050	2	9233.33	4	11141.67
9	Pakkd	4	0	0	0	0	0	0	2	13317	2	12383.3	4	12850	2	13316.7	2	12383.3	4	12850
10	Mlp	4	0	0	0	0	0	0	0	0	4	12466.7	4	12466.7	0	0	4	12466.7	4	12466.67
11	Kozhi	4	0	0	0	0	0	0	0	0	4	12250	4	12250	0	0	4	12250	4	12250
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	0	0	4	14866.7	4	14866.7	0	0	4	14866.7	4	14866.67
14	Ksgd	4	0	0	0	0	0	0	2	11117	2	10083.3	4	10600	2	11116.7	2	10083.3	4	10600
	State	40	1	16900	0	0	1	16900	10	12940	29	13460.5	39	13327	11	13300	29	13460.5	40	13416.33

Table 13(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2009-10 SEASON : ANNUAL (PLANTAIN) STATE SAMPLE

Sl.No	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		Rate(KG/Ha)		Yield Rate(KG/Ha)		No. of Experiments			Rate of application			Yield Rate(KG/Ha)	No.		
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	17925	0	0	3	3	1	3	20188.889	79.6	79.6	192	1	11133.33
2	Kollam	4	15375	0	0	1	1	1	1	27000	172	80	120	3	11500
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	13825	0	0	0	0	0	0	0	0	0	0	4	13825
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	20966.7	0	0	1	1	1	1	20833.33	252	160	120	3	21011.11
8	Thrissur	4	14813.3	0	0	0	0	0	0	0	0	0	0	4	14813.33
9	Palakkad	4	16850	0	0	2	2	2	2	20833.33	284	100	240	2	12866.67
10	Malappuram	4	21016.7	0	0	0	0	0	0	0	0	0	0	4	21016.67
11	Kozhikode	4	8691.67	0	0	0	0	0	0	0	0	0	0	4	8691.667
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	22525	0	0	0	0	0	0	0	0	0	0	4	22525
14	Kasargod	4	9520	0	0	2	2	2	2	10640	36	36	36	2	8400
	Total	40	16150.8	0	0	9	9	7	9	19038.52	164.7	91.12	141.6	31	15312.47

Table 13(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA						YEAR : 2009-10						SEASON : ANNUAL (PLANTAIN)						STATE SAMPLE					
		Experiments Treated with Manure Only			Experiments Treated With Manure			Experiments Not Treated With Manures			Experiments Treated (both) With Fertilizers & Manure			Experiments Not Treated With Fertilizers & Manure			Experiments Treated With Fertilizers or Manure								
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)						
1	2	17	18	19	20	21	22	23	24	25	26	27	28												
1	Thiruvananthapuram	0	0	3	20188.889	1	11133.33	3	20188.9	1	11133.333	3	20188.9												
2	Kollam	3	11500	4	15375	0	0	1	27000	0	0	4	15375												
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0												
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0												
5	Kottayam	3	15100	3	15100	1	10000	0	0	1	10000	3	15100												
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0												
7	Ernakulam	2	18850	3	19511.111	1	25333.33	1	20833.3	1	25333.333	3	19511.1												
8	Thrissur	4	14813.333	4	14813.333	0	0	0	0	0	0	4	14813.3												
9	Palakkad	0	0	2	20833.333	2	12866.67	2	20833.3	2	12866.667	2	20833.3												
10	Malappuram	4	21016.667	4	21016.667	0	0	0	0	0	0	4	21016.7												
11	Kozhikode	3	6922.222	3	6922.222	1	14000	0	0	1	14000	3	6922.22												
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0												
13	Kannur	4	22525	4	22525	0	0	0	0	0	0	4	22525												
14	Kasaragod	2	8400	4	9520	0	0	2	10640	0	0	4	9520												
	Total	25	15539.47	34	16465.69	6	14366.67	9	19038.5	6	14366.67	34	16465.7												

Table 13(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2009-10 SEASON : ANNUAL(PLANTAIN) CENTRAL SAMPLE

Sl. No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		Yield Rate (KG/Ha)		Yield Rate (KG/Ha)		No. of Experiments			Rate of application			Yield Rate(KG/Ha)	No.		
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	16375	1	17333.3	1	1	1	1	17333.333	152	67	67	3	16055.56
2	Kollam	4	11733.333	0	0	0	0	0	0	0	0	0	0	4	11733.33
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	16450	0	0	0	0	0	0	0	0	0	0	4	16450
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	15430	0	0	0	0	0	0	0	0	0	0	4	15430
8	Thrissur	4	11141.667	0	0	0	0	0	0	0	0	0	0	4	11141.67
9	Palakkad	4	12850	0	0	0	0	0	0	0	0	0	0	4	12850
10	Malappuram	4	12466.667	0	0	2	1	0	2	14333.333	239.5	207	0	2	10600
11	Kozhikode	4	12250	0	0	0	0	0	0	0	0	0	0	4	12250
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	14866.667	0	0	0	0	0	0	0	0	0	0	4	14866.67
14	Kasaragod	4	10600	0	0	0	0	0	0	0	0	0	0	4	10600
	Total	40	13416.33	1	17333.3	3	2	1	3	15333.33	195.75	137	67	37	13260.9

Table 13(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2009-10 SEASON : ANNUAL(PLANTAIN) CENTRAL SAMPLE

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	2	15633.333	2	15633.333	2	17116.67	0	0	1	16900	3	16200
2	Kollam	3	11777.778	3	11777.778	1	11600	0	0	1	11600	3	11777.8
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	2	14066.667	2	14066.667	2	18833.33	0	0	2	18833.333	2	14066.7
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	15430	4	15430	0	0	0	0	0	0	0	0
8	Thrissur	3	12144.444	3	12144.444	1	8133.333	0	0	1	8133.333	3	12144.4
9	Palakkad	3	14222.222	3	14222.222	1	8733.333	0	0	1	8733.333	3	14222.2
10	Malappuram	1	10333.333	3	13000	1	10866.67	2	14333.3	1	10866.667	3	13000
11	Kozhikode	3	13777.778	3	13777.778	1	7666.667	0	0	1	7666.667	3	13777.8
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	14533.333	2	14533.333	2	15200	0	0	2	15200	2	14533.3
14	Kasargod	4	10600	4	10600	0	0	0	0	0	0	4	10600
	Total	27	13284.69	29	13357.01	11	13572.73	2	14333.3	10	13196.67	30	13489.6

Table 14(i)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA YEAR : 2009-10 STATE SAMPLE

SEASON : : Annual

CROP : Pepper

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
	Total	40	40				

Table 14(ii)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

Sl.No.	District	SEASON : Annual		YEAR : 2009-10		CENTRAL SAMPLE			
		No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received		
		Planned	Checked at harvest						
1	2		4	5	6	7	8		
1	Thiruvananthapuram	4	4				1		
2	Kollam	4	4						
3	Pathanamthitta	0	0						
4	Alappuzha	0	0						
5	Kottayam	4	4						
6	Idukki	0	0						
7	Ernakulam	4	4						
8	Thrissur	4	4						
9	Palakkad	4	4						
10	Malappuram	4	4						
11	Kozhikode	4	4						
12	Wayanad	0	0						
13	Kannur	4	4						
14	Kasargod	4	4						
	Total	40	40						

Table 14(iii)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	No. of expts. Checked at harvest	STATE: KERALA						YEAR: 2009-10						CROP: PEPPER						STATE SAMPLE									
			Irrigated			Un irrigated			Total			Irrigated			Un irrigated			total			Irrigated			Un irrigated			Total			
			No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21										
1	Tvpm	4	0	0	1	264.26	1	264.26	0	0	3	350.13	3	350.13	0	0	4	328.67	4	328.67	4	391.78	4	391.78	0	0	4	328.67	4	328.67
2	Kollam	4	0	0	0	0	0	0	0	0	4	391.78	4	391.78	0	0	4	391.78	4	391.78	4	391.78	4	391.78	0	0	4	391.78	4	391.78
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottim	4	0	0	0	0	0	0	0	0	4	224.07	4	224.07	0	0	4	224.07	4	224.07	4	224.07	4	224.07	0	0	4	224.07	4	224.07
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekrm	4	0	0	3	183.81	3	183.81	0	0	1	341.14	1	341.14	0	0	4	223.15	4	223.15	4	223.15	4	223.15	0	0	4	223.15	4	223.15
8	Thrs	4	2	185.17	1	297.53	3	222.62	0	0	1	102.38	1	102.38	2	185.17	2	199.95	4	192.56	4	192.56	4	192.56	2	185.17	2	199.95	4	192.56
9	Pakkd	4	0	0	3	259.58	3	259.58	0	0	1	101.64	1	101.64	0	0	4	220.1	4	220.1	4	220.1	4	220.1	0	0	4	220.1	4	220.1
10	Mlp	4	2	117.35	0	0	2	117.35	0	0	2	107.74	2	107.74	2	117.35	2	107.74	4	112.54	4	112.54	4	112.54	2	117.35	2	107.74	4	112.54
11	Kozhi	4	0	0	0	0	0	0	1	97.6	3	334.61	4	275.35	1	97.57	3	334.61	4	275.35	4	275.35	4	275.35	1	97.57	3	334.61	4	275.35
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	0	0	4	564.75	4	564.75	0	0	4	564.75	4	564.75	4	564.75	4	564.75	0	0	4	564.75	4	564.75
14	Ksrtd	4	0	0	0	0	0	0	0	0	4	225.64	4	225.64	0	0	4	225.64	4	225.64	4	225.64	4	225.64	0	0	4	225.64	4	225.64
	State	40	4	151.26	8	236.5	12	208.08	1	97.6	27	312.59	28	304.91	5	140.52	35	295.19	40	275.86	40	275.86	40	275.86	5	140.52	35	295.19	40	275.86

Table 14(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	No. of expts. Checked at harvest	STATE:KERALA				YEAR: 2009-10				SEASON:ANNUAL (PEPPER)				CENTRAL SAMPLE					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total	
			No of Experiments	Yield Rate Kg/Ha	No of Experiments	Yield Rate Kg/Ha	No of Experiments	Yield Rate Kg/Ha	No of Experiments	Yield Rate Kg/Ha	No of Experiments	Yield Rate Kg/Ha	No of Experiments	Yield Rate Kg/Ha	No of Experiments	Yield Rate Kg/Ha	No of Experiments	Yield Rate Kg/Ha	No of Experiments	Yield Rate Kg/Ha
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	1	304.92	0	0	1	304.92	0	0	3	611.2	3	611.2	1	304.92	3	611.2	4	534.63
2	Kollam	4	0	0	0	0	0	0	3	445	1	384.38	4	430.12	3	445.37	1	384.38	4	430.12
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottim	4	0	0	0	0	0	0	2	58.3	2	214.83	4	136.56	2	58.29	2	214.83	4	136.56
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekam	4	1	445.37	0	0	1	445.37	0	0	3	436.44	3	436.44	1	445.37	3	436.44	4	438.67
8	Thrs	4	3	163.73	1	36.96	4	132.04	0	0	0	0	0	0	3	163.73	1	36.96	4	132.04
9	Pakkd	4	1	83.71	1	457.56	2	270.64	0	0	2	81.5	2	81.5	1	83.71	3	206.85	4	176.07
10	Mlp	4	0	0	0	0	0	0	0	0	4	121.14	4	121.14	0	0	4	121.14	4	121.14
11	Kozhi	4	0	0	1	53.96	1	53.96	0	0	3	72.81	3	72.81	0	0	4	68.1	4	68.1
12	Wynd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	0	0	4	239.96	4	239.96	0	0	4	239.96	4	239.96
14	Ksrgd	4	0	0	4	363.83	4	363.83	0	0	0	0	0	0	0	0	4	363.83	4	363.83
State		40	6	220.87	7	286.26	13	256.08	5	291	22	262.85	27	267.98	11	252.53	29	268.5	40	264.11

Table 14(iv)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2009-10 SEASON : ANNUAL CROP:PEPPER STATE SAMPLE

Sl No.	District	Experiments Checked at harvest Stage			Experiments Treated with Fertilizers Only			Experiments With Fertilizers						Experiments not Treated with Fertilizers		
		Rate of application			No. of Experiments			Yield Rate(KG/Ha)	Exclusive Total	Yield Rate(KG/Ha)	N	P	K	No.	Yield Rate(KG/Ha)	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P									K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Thiruvananthapuram	4	328.667	0	0	0	1	1	1	261.307	0	40	150	3	351.12	
2	Kollam	4	391.776	0	0	0	0	0	0	0	0	0	0	4	391.776	
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Kottayam	4	224.07	0	0	0	0	0	0	0	0	0	0	4	224.07	
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Ernakulam	4	223.146	0	0	0	0	0	0	0	0	0	0	4	223.146	
8	Thrissur	4	192.562	0	0	0	0	0	0	0	0	0	0	4	192.562	
9	Palakkad	4	220.097	0	0	0	0	0	0	0	0	0	0	4	220.097	
10	Malappuram	4	112.543	0	0	0	0	0	0	0	0	0	0	4	112.543	
11	Kozhikode	4	275.352	0	0	0	0	0	0	0	0	0	0	4	275.352	
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	564.749	0	0	0	0	0	0	0	0	0	0	4	564.749	
14	Kasaragod	4	225.641	0	0	0	0	0	0	0	0	0	0	4	225.641	
	State	40	275.86	0	0	0	1	1	1	261.31	0	40	150	39	276.23	

Table 14(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl. No.	District	STATE : KERALA		YEAR : 2009-10		SEASON : ANNUAL		CROP: PEPPER		STATE SAMPLE			
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	3	351.12	4	328.667	0	0	1	261.307	0	0	4	328.667
2	Kollam	3	320.32	3	320.32	1	606.144	0	0	1	606.144	3	320.32
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	1	168.168	1	168.168	3	242.704	0	0	3	242.704	1	168.168
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	0	0	4	223.146	0	0	4	223.146	0	0
8	Thrissur	0	0	0	0	4	192.562	0	0	4	192.562	0	0
9	Palakkad	0	0	0	0	4	220.097	0	0	4	220.097	0	0
10	Malappuram	4	112.543	4	112.543	0	0	0	0	0	0	4	112.543
11	Kozhikode	0	0	0	0	4	275.352	0	0	4	275.352	0	0
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	1617	1	1617	3	213.998	0	0	3	213.998	1	1617
14	Kasargod	4	225.641	4	225.641	0	0	0	0	0	0	4	225.641
	State	16	322.01	17	318.44	23	244.39	1	261.31	23	244.39	17	318.44

Table 14(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2009-10 SEASON : ANNUAL (PEPPER) CENTRAL SAMPLE

Sl. No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers										Experiments not Treated with Fertilizers	
		No.	Yield Rate (KG/Ha)	No.	Yield Rate (KG/Ha)	No. of Experiments					Rate of application					No.	Yield Rate (KG/Ha)
						N	P	K	Exclusive Total	Yield Rate (KG/Ha)	N	P	K				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	Thiruvananthapuram	4	534.626	1	1020.84	1	1	0	1	1020.835	5	5	0	3	372.557		
2	Kollam	4	430.122	0	0	0	0	0	0	0	0	0	0	4	430.122		
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5	Kottayam	4	136.558	0	0	0	0	0	0	0	0	0	0	4	136.558		
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	Ernakulam	4	438.669	0	0	0	0	0	0	0	0	0	0	4	438.669		
8	Thrissur	4	132.04	0	0	0	0	0	0	0	0	0	0	4	132.04		
9	Palakkad	4	176.068	0	0	1	2	1	2	88.612	19	11.5	11	2	263.525		
10	Malappuram	4	121.136	0	0	0	0	0	0	0	0	0	0	4	121.136		
11	Kozhikode	4	68.099	0	0	0	0	0	0	0	0	0	0	4	68.099		
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
13	Kannur	4	239.963	0	0	0	0	0	0	0	0	0	0	4	239.963		
14	Kasargod	4	363.825	0	0	0	0	0	0	0	0	0	0	4	363.825		
	Total	40	264.11	1	1020.84	2	3	1	3	399.35	12	8.25	11	37	253.15		

Table 14(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl. No.	District	STATE : KERALA		YEAR : 2009-10		SEASON : ANNUAL (PEPPER)		CENTRAL SAMPLE					
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure					
		No.	Yield Rate(KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)				
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	1	304.92	1	304.92	3	611.195	0	0	2	406.375	2	662.878
2	Kollam	3	511.28	3	511.28	1	186.648	0	0	1	186.648	3	511.28
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	2	58.286	2	58.286	2	214.83	0	0	2	214.83	2	58.286
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	1	445.368	1	445.368	3	436.436	0	0	3	436.436	1	445.368
8	Thrissur	1	31.416	1	31.416	3	165.581	0	0	3	165.581	1	31.416
9	Palakkad	1	69.485	3	82.236	1	457.565	2	88.612	1	457.565	3	82.236
10	Malappuram	2	106.075	2	106.075	2	136.198	0	0	2	136.198	2	106.075
11	Kozhikode	2	73.92	2	73.92	2	62.278	0	0	2	62.278	2	73.92
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	0	0	4	239.963	0	0	4	239.963	0	0
14	Kasaragod	1	136.752	1	136.752	3	439.516	0	0	3	439.516	1	136.752
	Total	14	214.17	16	198.47	24	307.87	2	88.61	23	276.87	17	246.85

Table 15(f)

CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED**STATE : KERALA****YEAR : 2009-10****STATE SAMPLE****SEASON : Annual****CROP : Arecanut**

Sl.No.	District	No of experiments		At post harvest	Lost	Rejected for analysis	For which Schedules are not received
		Planned	Checked at harvest				
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	0	0				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
	Total	40	40				
	% to col.3		100				

Table 15(iii)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	STATE:KERALA				YEAR: 2009-10				CROP: ARECANUT				STATE SAMPLE						
		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated		Irrigated		Un irrigated				
		No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpm	4	1	2918.94	0	0	1	2918.94	0	0	3	1798.3	3	1798.3	1	2918.94	3	1798.3	4	2078.46
2	Kollam	4	0	0	0	0	0	0	0	0	4	1092.3	4	1092.3	0	0	4	1092.3	4	1092.3
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottim	4	0	0	0	0	0	0	0	0	4	1726.31	4	1726.31	0	0	4	1726.31	4	1726.31
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekm	4	0	0	1	1049.37	1	1049.37	0	0	3	1632.09	3	1632.09	0	0	4	1486.41	4	1486.41
8	Thrs	4	2	1602.87	0	0	2	1602.87	2	1641	0	0	2	1641.29	4	1622.08	0	0	4	1622.08
9	Pakkd	4	1	1628.17	1	1717.47	2	1672.82	1	1270	1	1323.47	2	1296.72	2	1449.07	2	1520.47	4	1484.77
10	Mlp	4	0	0	0	0	0	0	0	0	4	1806.37	4	1806.37	0	0	4	1806.37	4	1806.37
11	Kozhi	4	0	0	0	0	0	0	0	0	4	1337.47	4	1337.47	0	0	4	1337.47	4	1337.47
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	0	0	4	1620.86	4	1620.86	0	0	4	1620.86	4	1620.86
14	Ksrgd	4	0	0	0	0	0	0	4	2166	0	0	4	2166.43	4	2166.43	0	0	4	2166.43
	State	40	4	1938.21	2	1383.42	6	1753.28	7	1888	27	1553.63	34	1622.53	11	1906.47	29	1541.89	40	1642.15

Table 15(iv)

ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

Sl.No	District	STATE:KERALA				YEAR: 2009-10				CROP: ARECANUT				CENTRAL SAMPLE						
		Irrigated		HY varieties		Irrigated		Other Varieties		Irrigated		Both Hy & Others		Irrigated		Both Hy & Others				
		No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha	No. of Expts	Yield Rate Kg/Ha			
		harvest	Total	Total	Total	Total	total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Typrn	4	1	4697.81	0	0	1	4697.81	0	0	3	634.15	3	634.15	1	4697.81	3	634.15	4	1650.06
2	Kollam	4	0	0	0	0	0	0	0	0	4	1482.11	4	1482.11	0	0	4	1482.11	4	1482.11
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottm	4	0	0	0	0	0	0	0	0	4	1135.65	4	1135.65	0	0	4	1135.65	4	1135.65
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekrm	4	0	0	2	884.88	2	884.88	2	1157	0	0	2	1157.43	2	1157.43	2	884.88	4	1021.16
8	Thrs	4	0	0	0	0	0	0	3	676.4	1	1580.06	4	902.29	3	676.37	1	1580.06	4	902.29
9	Pakkd	4	2	1321.15	0	0	2	1321.15	0	0	2	1847.98	2	1847.98	2	1321.15	2	1847.98	4	1584.56
10	Mlp	4	0	0	0	0	0	0	2	1931	2	969.22	4	1450.34	2	1931.45	2	969.22	4	1450.34
11	Kozhi	4	0	0	0	0	0	0	0	0	4	1463.27	4	1463.27	0	0	4	1463.27	4	1463.27
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	0	0	0	0	0	0	4	1271.76	4	1271.76	0	0	4	1271.76	4	1271.76
14	Ksrgd	4	0	0	0	0	0	0	4	2301	0	0	4	2300.84	4	2300.84	0	0	4	2300.84
	State	40	3	2446.7	2	884.88	5	1821.97	11	1583	24	1272	35	1369.67	14	1767.88	26	1242.22	40	1426.2

Table 15(v)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2009-10 SEASON : ANNUAL CROP:ARECANUT STATE SAMPLE

Sl No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only			Experiments With Fertilizers							Experiments not Treated with Fertilizers	
		No.		Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No. of Experiments			Rate of application				No.	Yield Rate(KG/Ha)
		No.	Yield Rate(KG/Ha)				N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N	P		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	2078.461	0	0	1	1	1	1	2972.561	20	20	30	3	1780.428
2	Kollam	4	1092.297	0	0	0	0	0	0	0	0	0	0	4	1092.297
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	1726.308	0	0	0	0	0	0	0	0	0	0	4	1726.308
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	1486.41	1	1049.37	1	0	1	1	1049.372	12	0	14.7	3	1632.089
8	Thrissur	4	1622.084	0	0	0	0	0	0	0	0	0	0	4	1622.084
9	Palakkad	4	1484.773	0	0	0	0	0	0	0	0	0	0	4	1484.773
10	Malappuram	4	1806.374	0	0	0	0	0	0	0	0	0	0	4	1806.374
11	Kozhikode	4	1337.473	0	0	0	0	0	0	0	0	0	0	4	1337.473
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1620.86	0	0	0	0	0	0	0	0	0	0	4	1620.86
14	Kasaragod	4	2166.432	0	0	0	0	2	2	1550.722	0	0	465	2	2782.143
	State	40	1642.15	1	1049.37	2	1	4	4	1780.84	16	20	169.9	36	1626.74

Table 15(vi)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both			
		No.	Yield Rate(KG/Ha)	No.	Yield Rate (KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)
		STATE : KERALA		YEAR : 2009-10		SEASON : ANNUAL		CROP:ARECANUT		STATE SAMPLE					
1	2	17	18	19	20	21	22	23	24	25	26	27	28		
1	Thiruvananthapuram	3	1780.428	4	2078.461	0	0	1	2972.56	0	0	4	2078.46		
2	Kollam	0	0	0	0	4	1092.297	0	0	4	1092.297	0	0		
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0		
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0		
5	Kottayam	0	0	0	0	4	1726.308	0	0	4	1726.308	0	0		
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0		
7	Ernakulam	0	0	0	0	4	1486.41	0	0	3	1632.089	1	1049.37		
8	Thrissur	4	1622.084	4	1622.084	0	0	0	0	0	0	4	1622.08		
9	Palakkad	3	1538.54	3	1538.54	1	1323.471	0	0	1	1323.471	3	1538.54		
10	Malappuram	4	1806.374	4	1806.374	0	0	0	0	0	0	4	1806.37		
11	Kozhikode	2	1675.477	2	1675.477	2	999.469	0	0	2	999.469	2	1675.48		
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0		
13	Kannur	2	1711.239	2	1711.239	2	1530.481	0	0	2	1530.481	2	1711.24		
14	Kasargod	2	0	4	2166.432	0	0	2	1550.72	0	0	4	2166.43		
	State	20	1800.42	23	1829.67	17	1388.44	3	2024.67	16	1409.63	24	1797.16		

Table 15(vii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE : KERALA YEAR : 2009-10 SEASON : ANNUAL (ARECANUT) CENTRAL SAMPLE

Sl No.	District	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers						Experiments not Treated with Fertilizers			
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No. of Experiments			Rate of application			No.	Yield Rate(KG/Ha)		
						N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N			P	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	1650.063	0	0	0	0	0	0	0	0	0	0	4	1650.063
2	Kollam	4	1482.113	0	0	0	0	0	0	0	0	0	0	4	1482.113
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	4	1135.65	0	0	0	0	0	0	0	0	0	0	4	1135.65
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	1021.156	0	0	0	0	0	0	0	0	0	0	0	0
8	Thrissur	4	902.291	0	0	1	1	1	1	578.715	470	198	356	3	1010.15
9	Palakkad	4	1584.56	0	0	0	1	1	1	1772.382	0	25	111	3	1521.953
10	Malappuram	4	1450.335	0	0	1	1	2	2	1253.118	598	299	838.5	2	1647.553
11	Kozhikode	4	1463.271	0	0	0	0	0	0	0	0	0	0	4	1463.271
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1271.759	0	0	0	0	0	0	0	0	0	0	4	1271.759
14	Kasaragod	4	2300.844	0	0	0	0	0	0	0	0	0	0	4	2300.844
	Total	40	1426.2	0	0	2	3	4	4	1214.33	534	174	435.17	36	1449.75

Table 15(viii)

CROP WISE RATE OF APPLICATION FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

Sl.No.	District	STATE : KERALA		YEAR : 2009-10		SEASON : ANNUAL(ARECANUT)		CENTRAL SAMPLE					
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments Not Treated With Manures		Experiments Treated (both) With Fertilizers & Manure		Experiments Not Treated With Fertilizers & Manure		Experiments Treated With Fertilizers or Manure or Both	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	2	2805.864	2	2805.864	2	494.261	0	0	2	494.261	2	2805.86
2	Kollam	1	694.448	1	694.448	3	1744.668	0	0	3	1744.668	1	694.448
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	1	1622.357	1	1622.357	3	973.414	0	0	3	973.414	1	1622.36
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	884.882	2	884.882	2	1157.43	0	0	2	1157.43	2	884.882
8	Thrissur	0	0	1	578.715	3	1010.15	1	578.715	3	1010.15	1	578.715
9	Palakkad	2	1468.844	3	1570.023	1	1628.172	1	1772.38	1	1628.172	3	1570.02
10	Malappuram	2	1647.553	4	1450.335	0	0	2	1253.12	0	0	4	1450.34
11	Kozhikode	4	1463.271	4	1463.271	0	0	0	0	0	0	4	1463.27
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	2231.662	2	2231.662	2	311.857	0	0	2	311.857	2	2231.66
14	Kasaragod	4	2300.844	4	2300.844	0	0	0	0	0	0	4	2300.84
	Total	20	1772.54	24	1679.51	16	1046.25	4	1214.33	16	1046.25	24	1679.51

Table 16(f)

State Wise Position of Supply and Use of Equipments

State : Kerala

Year :2009-10

Crop	AGENCY	Item of equipment	No of experiments supervised (harvest & post harvest) for which equipments was												Information about supply not available	Total of columns 8,13 &14
			Supplied						Not supplied							
			And used	But used locally procured one		But not used though required	But not required to be used	Total	Used locally procured one		And also not used though required	As not required	Total			
	Standard	Non standard				Standard	Non standard									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
		Tape	93	3	0	0	0	0	96	1	0	0	0	1	0	97
		Balance	63	23	1	0	0	0	87	10	0	0	0	10	0	97
		Weight	66	23	0	0	0	0	89	8	0	0	0	8	0	97
Paddy (Autumn)	C	Pegs	10	40	0	0	0	50	39	8	0	0	47	0	97	
		Tape	99	0	0	0	0	99	0	0	0	0	0	0	99	
		Balance	99	0	0	0	0	99	0	0	0	0	0	0	99	
		Weight	99	0	0	0	0	99	0	0	0	0	0	0	99	
Paddy (Winter)	C	Pegs	99	0	0	0	0	99	0	0	0	0	0	0	99	
		Tape	96	4	0	0	0	100	0	0	0	0	0	0	100	
		Balance	72	25	0	0	0	97	3	0	0	0	3	0	100	
		Weight	71	23	0	0	0	97	3	0	0	0	3	0	100	
Paddy (Summer)	S	Pegs	14	45	2	0	0	61	35	4	0	0	39	0	100	
		Tape	100	0	0	0	0	100	0	0	0	0	0	0	100	
		Balance	100	0	0	0	0	100	0	0	0	0	0	0	100	
		Weight	100	0	0	0	0	100	0	0	0	0	0	0	100	
Paddy (Summer)	C	Pegs	100	0	0	0	0	100	0	0	0	0	0	0	100	
		Tape	92	5	0	0	0	97	0	0	0	0	0	0	97	
		Balance	53	35	0	0	0	88	9	0	0	0	9	0	97	
		Weight	58	26	0	0	0	87	9	0	0	0	1	10	97	
Paddy (Summer)	S	Pegs	24	26	0	0	0	50	43	4	0	0	47	0	97	
		Tape	99	0	0	0	0	99	0	0	0	0	0	0	99	
		Balance	99	0	0	0	0	99	0	0	0	0	0	0	99	
		Weight	99	0	0	0	0	99	0	0	0	0	0	0	99	
Paddy (Summer)	S	Pegs	99	0	0	0	0	99	0	0	0	0	0	0	99	
		Tape	99	0	0	0	0	99	0	0	0	0	0	0	99	
		Balance	99	0	0	0	0	99	0	0	0	0	0	0	99	
		Weight	99	0	0	0	0	99	0	0	0	0	0	0	99	

Table 16(ii)

State Wise Position of Supply and Use of Equipments

State : Kerala

Year : 2009-10

Crop	AGENCY	Item of equipment	No of equipments supervised (harvest & post harvest) for which equipments was												Information about supply not available	Total of columns 8, 13 & 14
			Supplied						Not supplied							
			And used	But used locally procured one		But not used though required	But not required to be used	Total	Used locally procured one		And also not used though required	As not required	Total			
	Standard	Non standard				Standard	Non standard									
1	C	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
		Tape	38	0	0	0	2	40	0	0	0	0	0	0	0	40
		Balance	32	7	0	0	0	39	1	0	0	0	0	1	0	40
		Weight	29	10	0	0	0	39	1	0	0	0	0	1	0	40
Tapioca	S	Pegs	2	10	0	0	3	15	21	2	0	2	25	0	40	
		Tape	39	0	0	0	0	39	0	0	0	0	0	0	39	
		Balance	40	0	0	0	0	40	0	0	0	0	0	0	40	
		Weight	40	0	0	0	0	40	0	0	0	0	0	0	40	
Banana	C	Pegs	25	0	0	0	12	37	1	0	0	0	1	0	40	
		Tape	7	1	0	2	44	54	0	0	0	6	6	0	60	
		Balance	27	24	0	0	1	52	8	0	0	0	8	0	60	
		Weight	33	18	0	0	1	52	8	0	0	0	8	0	60	
Banana	S	Pegs	0	0	0	2	33	35	0	0	0	25	25	0	60	
		Tape	3	0	0	0	57	60	0	0	0	0	0	0	60	
		Balance	60	0	0	0	0	60	0	0	0	0	0	0	60	
		Weight	60	0	0	0	0	60	0	0	0	0	0	0	60	
Plantain	C	Pegs	0	0	0	0	60	60	0	0	0	0	0	0	60	
		Tape	5	0	0	0	31	36	2	0	0	2	4	0	40	
		Balance	30	6	0	0	0	36	4	0	0	0	4	0	40	
		Weight	30	6	0	0	0	36	4	0	0	0	4	0	40	
Plantain	S	Pegs	0	0	0	0	23	23	1	0	0	16	17	0	40	
		Tape	0	0	0	0	40	40	0	0	0	0	0	0	40	
		Balance	40	0	0	0	0	40	0	0	0	0	0	0	40	
		Weight	40	0	0	0	0	40	0	0	0	0	0	0	40	
Plantain	S	Pegs	0	0	0	0	40	40	0	0	0	0	0	0	40	
		Tape	0	0	0	0	0	0	0	0	0	0	0	0	40	
		Balance	40	0	0	0	0	40	0	0	0	0	0	0	40	
		Weight	40	0	0	0	0	40	0	0	0	0	0	0	40	
Plantain	S	Pegs	0	0	0	0	40	40	0	0	0	0	0	0	40	
		Tape	0	0	0	0	0	0	0	0	0	0	0	0	40	
		Balance	40	0	0	0	0	40	0	0	0	0	0	0	40	
		Weight	40	0	0	0	0	40	0	0	0	0	0	0	40	

State Wise Position of Supply and Use of Equipments

State : Kerala

Year : 2009-10

No of experiments supervised (harvest & post harvest) for which equipments was

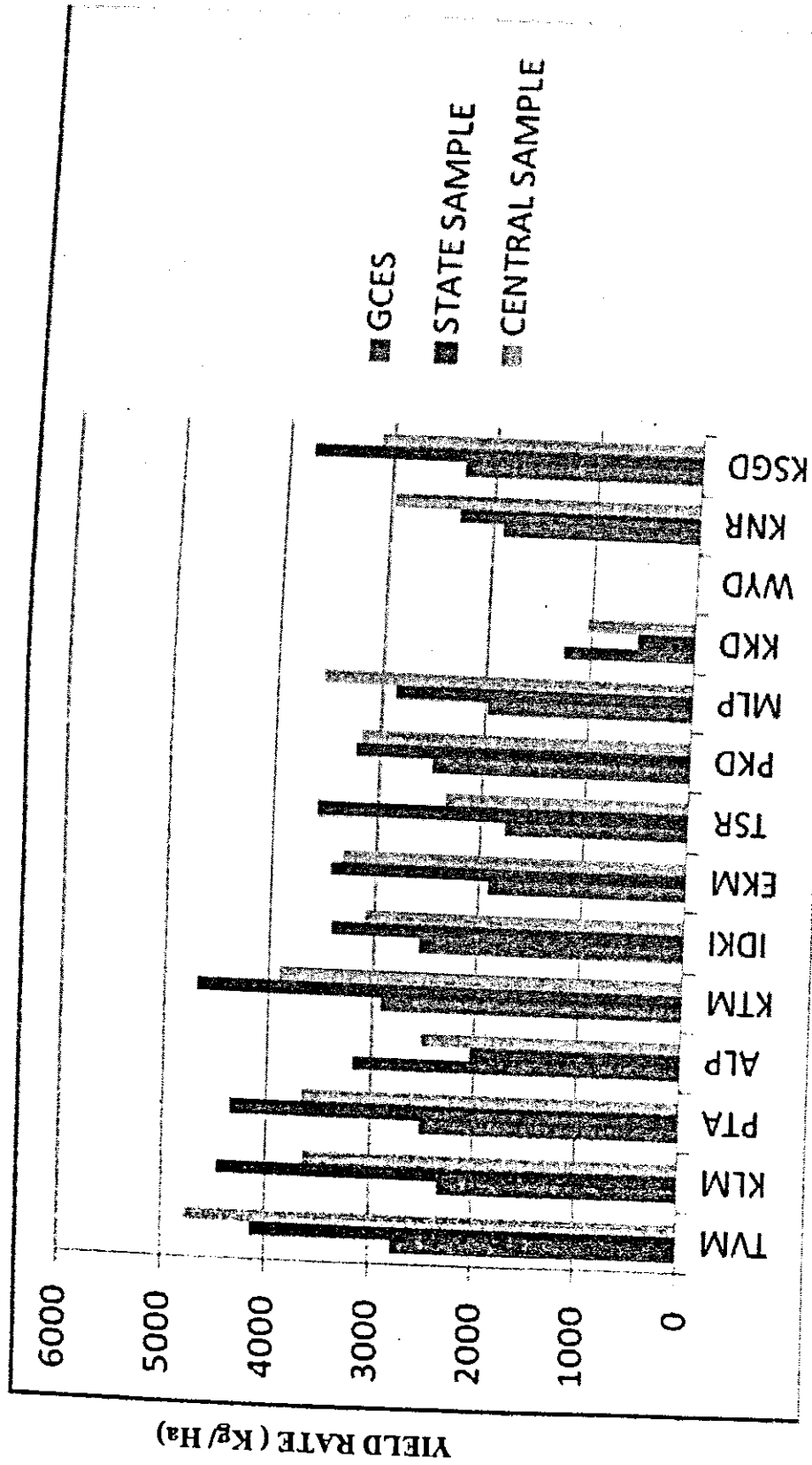
Crop	AGENCY	Item of equipment	Supplied										Not supplied				Total of columns 8, 13 & 14
			And used	But used locally procured one		But not used though required	But not required to be used	Total	Used locally procured one		And also not used though required	As not required	Total	Information about supply not available			
				Standard	Non standard				Standard	Non standard							
1	C	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
		Tape	0	0	0	0	37	37	0	0	0	0	3	3	0	40	
		Balance	27	11	2	2	0	0	40	0	0	0	0	0	0	40	
Pepper	S	Weight	27	11	2	2	0	40	0	0	0	0	0	0	40		
		Pegs	0	0	0	0	0	27	27	0	0	0	0	0	0	40	
		Tape	0	0	0	0	0	38	38	0	0	0	13	13	0	40	
Arecanut	C	Balance	40	0	0	0	0	40	0	0	0	0	0	0	40		
		Weight	40	0	0	0	0	0	40	0	0	0	0	0	38		
		Pegs	0	0	0	0	0	0	40	0	0	0	0	0	40		
Arecanut	S	Tape	2	0	0	0	0	38	0	0	0	0	0	0	40		
		Balance	21	16	2	2	0	36	38	0	0	2	2	0	38		
		Weight	21	16	2	2	0	0	39	1	0	0	0	0	40		
Arecanut	S	Pegs	0	0	0	0	0	39	1	0	0	0	1	0	40		
		Tape	0	0	0	0	0	28	28	0	0	10	1	0	40		
		Balance	40	0	0	0	0	40	40	0	0	0	0	0	40		
Arecanut	S	Weight	40	0	0	0	0	40	0	0	0	0	0	0	40		
		Pegs	0	0	0	0	0	0	40	0	0	0	0	0	40		
		Tape	0	0	0	0	0	40	40	0	0	0	0	0	40		

Table 17(i)

Yield Rates(Kg/Ha) of Rice Under GCES and ICS 2009-10

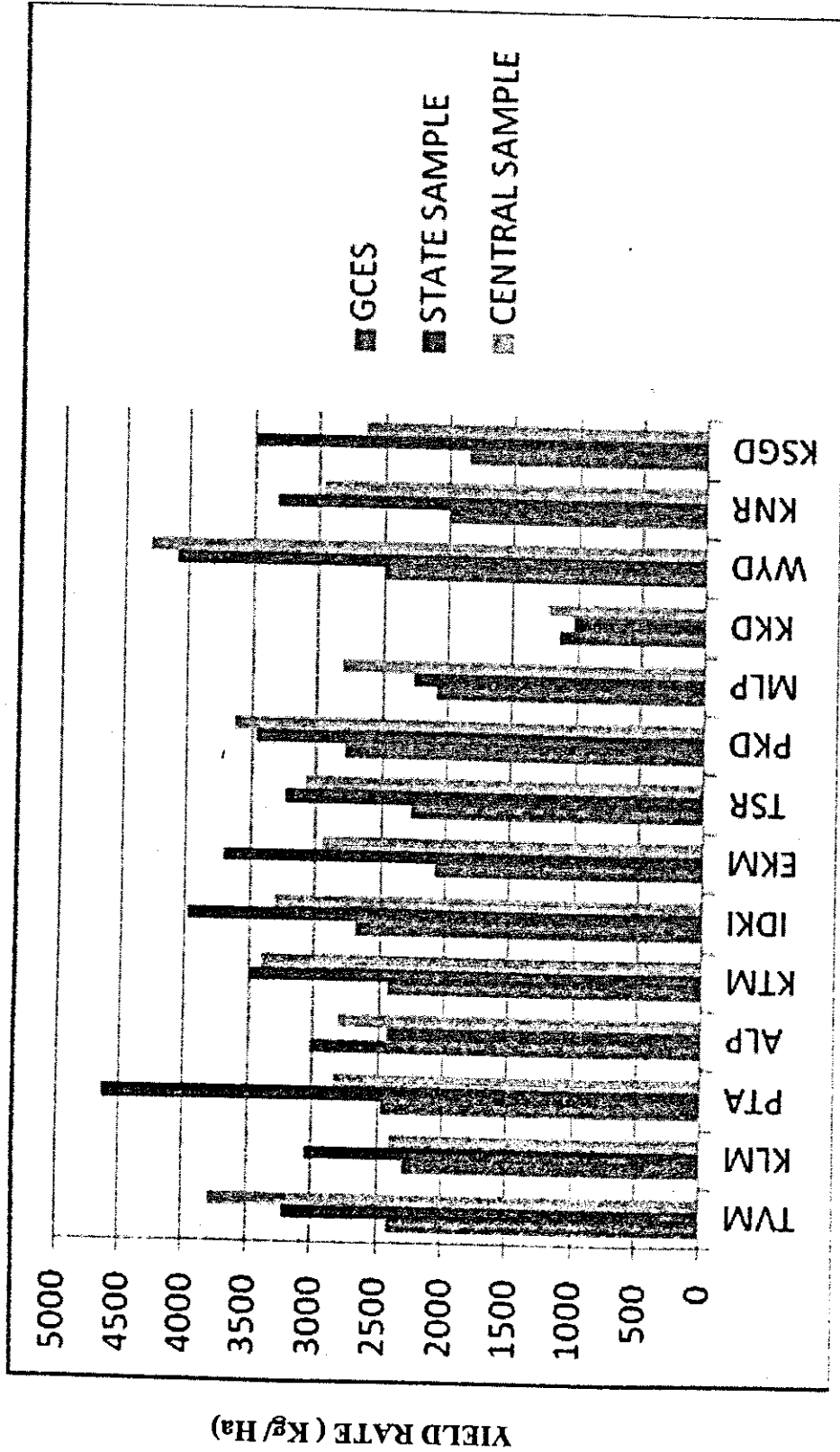
Sl.No.	District	Autumn			Winter			Summer		
		GCES	ICS		GCES	ICS		GCES	ICS	
			State Sample	Central Sample		State Sample	Central Sample		State Sample	Central Sample
1	Thiruvananthapuram	2782	4141.62	4762.59	2414	3223	3796.24	2083	1899.94	2712.93
2	Kollam	2346	4455.54	3643.58	2304	3048.03	2400.96	1867	1912.96	3602.66
3	Pathanamthitta	2520	4334.68	3669.34	2471	4639.07	2833.18	2619	3535.1	3394.8
4	Alappuzha	3167	2046.72	2521.58	3026	2424.91	2812.77	2758	2963.51	3618.61
5	Kottayam	2915	4673.97	3900.6	2433	3495.11	3402.8	2417	3562.92	2498.5
6	Idukki	2567	3409.56	3082.82	2682	3982.75	3310.2	2491	3964.97	3689.06
7	Eranakulam	1908	3428.12	3320.8	2074	3700.33	2958.86	1649	2655.48	1800.59
8	Thrissur	1774	3568.37	2351.89	2279	3228.79	3084.35	3152	1291.54	4931.96
9	Palakkad	2497	3221.26	3169.96	2783	3459.27	3633.21	2685	3340.91	3138.85
10	Malappuram	1974	2862.45	3552.96	2088	2254.1	2812.11	3306	4548.1	4504.08
11	Kozhikode	1277	556.61	1041.22	1143	1026.47	1230.99	2018	1336.47	944.12
12	Wayanad		0	0	2490	4103.92	4302.67	2819	4010.6	2811.81
13	Kannur	1914	2338.48	2974.59	1998	3321.05	2960.23	1450	725.02	2060.44
14	Kasargod	2304	3759.35	3119.58	1843	3494.85	2641.71	2052	3189.9	2788.14
	State	2486	3108.39	3079.2	2533	3122.59	2990.06	2719	2696.57	3047.4

Chart - I
Trend of Yield Rates Under ICS and CES
Autumn Rice Yield Rate 2009-10



District

Chart-2
Trend of Yield Rates Under ICS and CES
Winter Rice Yield Rate 2009-10



District

Chart-3
Trend of Yield Rates Under ICS and CES
Summer Rice Yield Rate 2009-10

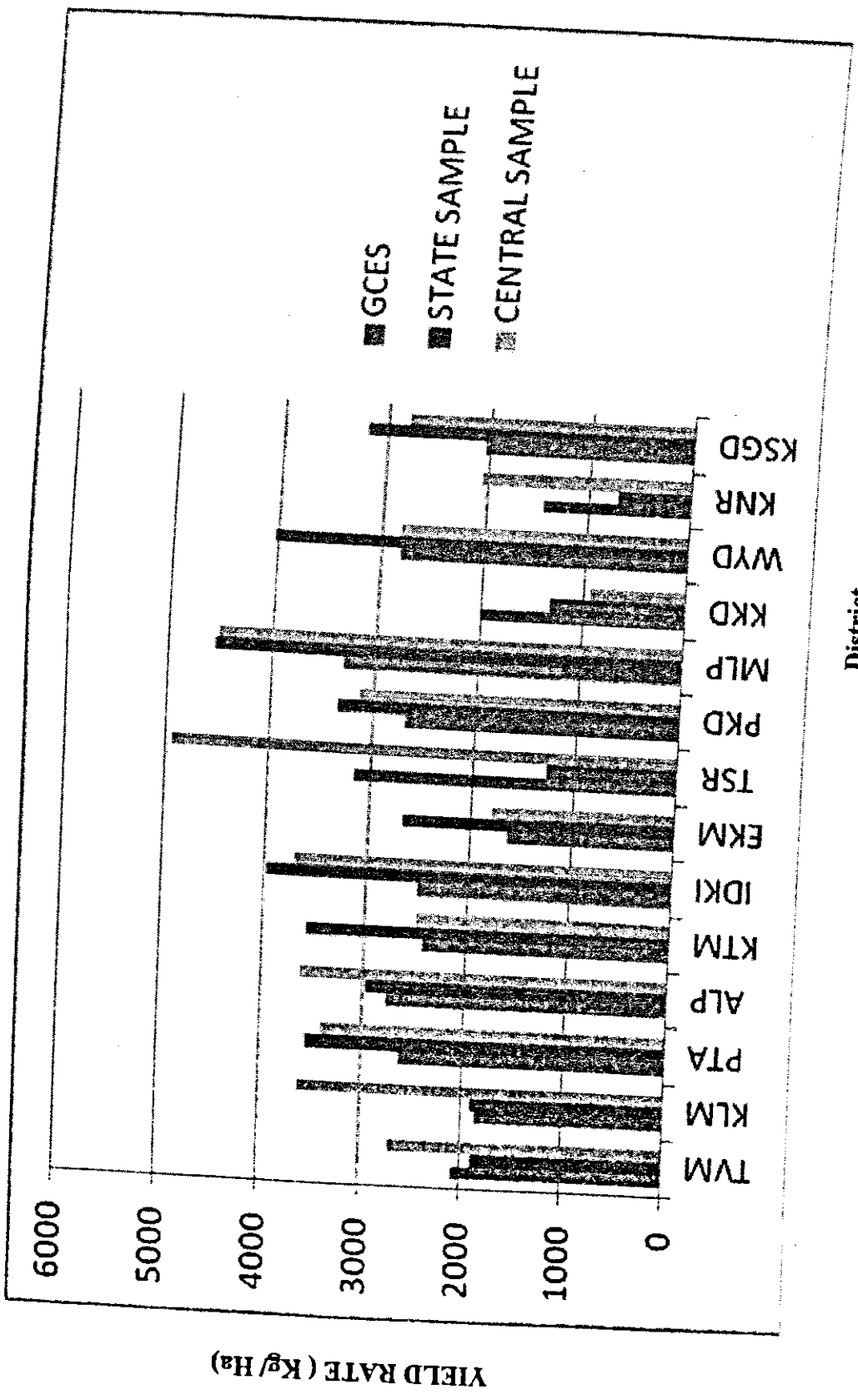


Chart-4

State Wise Yield Rate Under GCES and ICS for Rice 2008-09

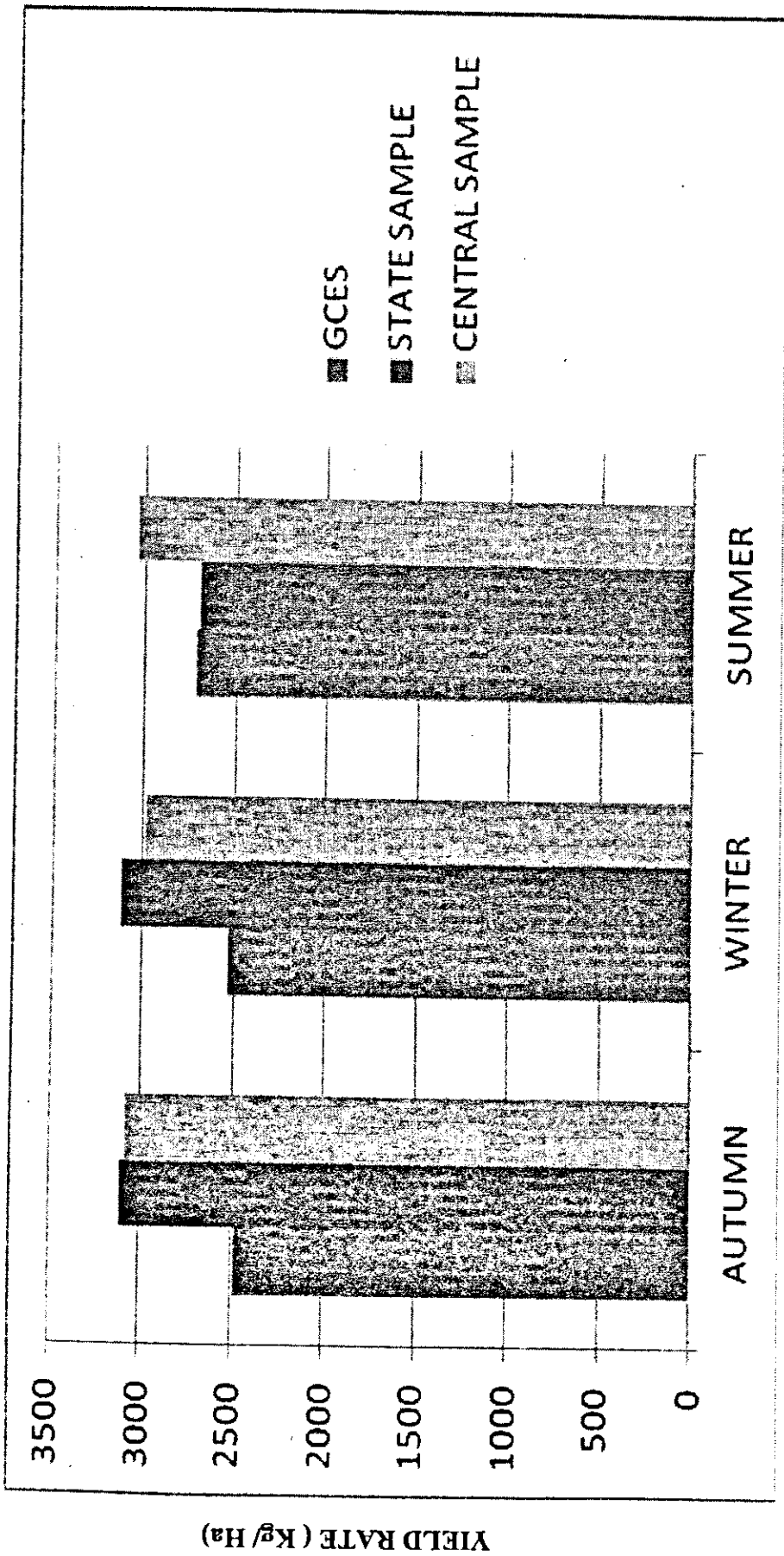


Table 17(ii)

Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2009-10

Sl.No.	DISTRICT	TAPIOCA			BANANA			PLANTAIN		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	26284	14093.75	22187.5	12951	16666.67	14916.67	9019	17925	16375
2	Kollam	29711	33843.75	19875	13591	9466.67	10558.33	6594	15375	11733.33
3	Pathanamthitta	46092	0	0	16825	19800	17241.67	9727	0	0
4	Alappuzha	27346	0	0	15113	12416.67	9958.33	6332	0	0
5	Kottayam	38674	35250	39687.5	17000	17991.67	15500	8426	13825	16450
6	Idukki	35364	0	0	15606	16016.67	18975	7297	0	0
7	Eranakulam	43370	44425	72500	15169	12858.33	19535	6620	20966.67	15430
8	Thrissur	30558	18750	17500	15637	17841.67	14066.67	5467	14813.33	11141.67
9	Palakkad	31807	32187.5	23625	15487	15044.44	15027.78	9199	16850	12850
10	Malappuram	38826	39000	35312.5	13372	17983.33	15277.78	4960	21016.67	12466.67
11	Kozhikode	28070	22812.5	23750	13964	15683.33	13800	3735	8691.67	12250
12	Wayanad	47478	0	0	14150	12646.67	13333.33	5710	0	0
13	Kannur	37321	59562.5	29843.75	15053	18800	19841.67	3875	22525	14866.67
14	Kasargod	22748	20312.5	19312.5	14355	12791.67	15933.33	5379	9520	10600
	State	33737	32023.75	30359.38	14806	15501.44	15274.56	7083	16150.83	13416.33

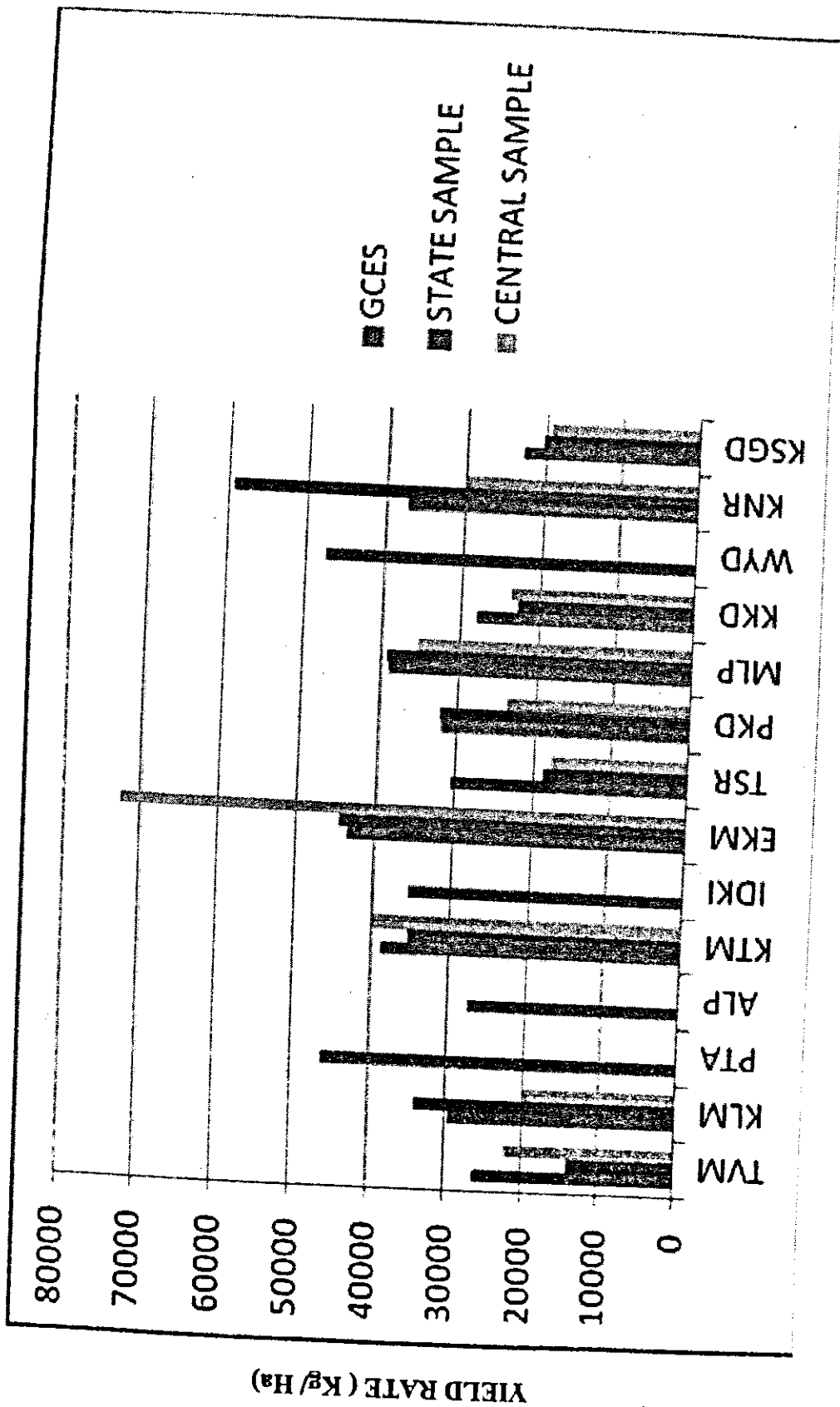
Table 17(iii)

Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2009-10

Sl.No.	DISTRICT	PEPPER			ARECANUT		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	210	328.67	534.63	517	2078.46	1650.06
2	Kollam	184	391.78	430.12	748	1092.3	1482.11
3	Pathanamthitta	236	0	0	557	0	0
4	Alappuzha	97	0	0	589	0	0
5	Kottayam	144	224.07	136.56	770	1726.31	1135.65
6	Idukki	297	0	0	1143	0	0
7	Ernakulam	151	223.15	438.67	1091	1486.41	1021.16
8	Thrissur	183	192.56	132.04	991	1622.08	902.29
9	Palakkad	195	220.1	176.07	1133	1484.77	1584.56
10	Malappuram	95	112.54	121.14	1277	1806.37	1450.34
11	Kozhikode	127	275.35	68.1	1264	1337.47	1463.27
12	Wayanad	271	0	0	496	0	0
13	Kannur	260	564.75	239.96	1266	1620.86	1271.76
14	Kasargod	230	225.64	363.83	1814	2166.43	2300.84
	State	248	275.86	264.11	1177	1642.15	1426.2

Chart-5

YIELD RATE OF TAPIOCA UNDER GCES & ICS IN 2009-10



Districts

Chart-6

YIELD RATE OF BANANA UNDER GCES & ICS IN 2009-10

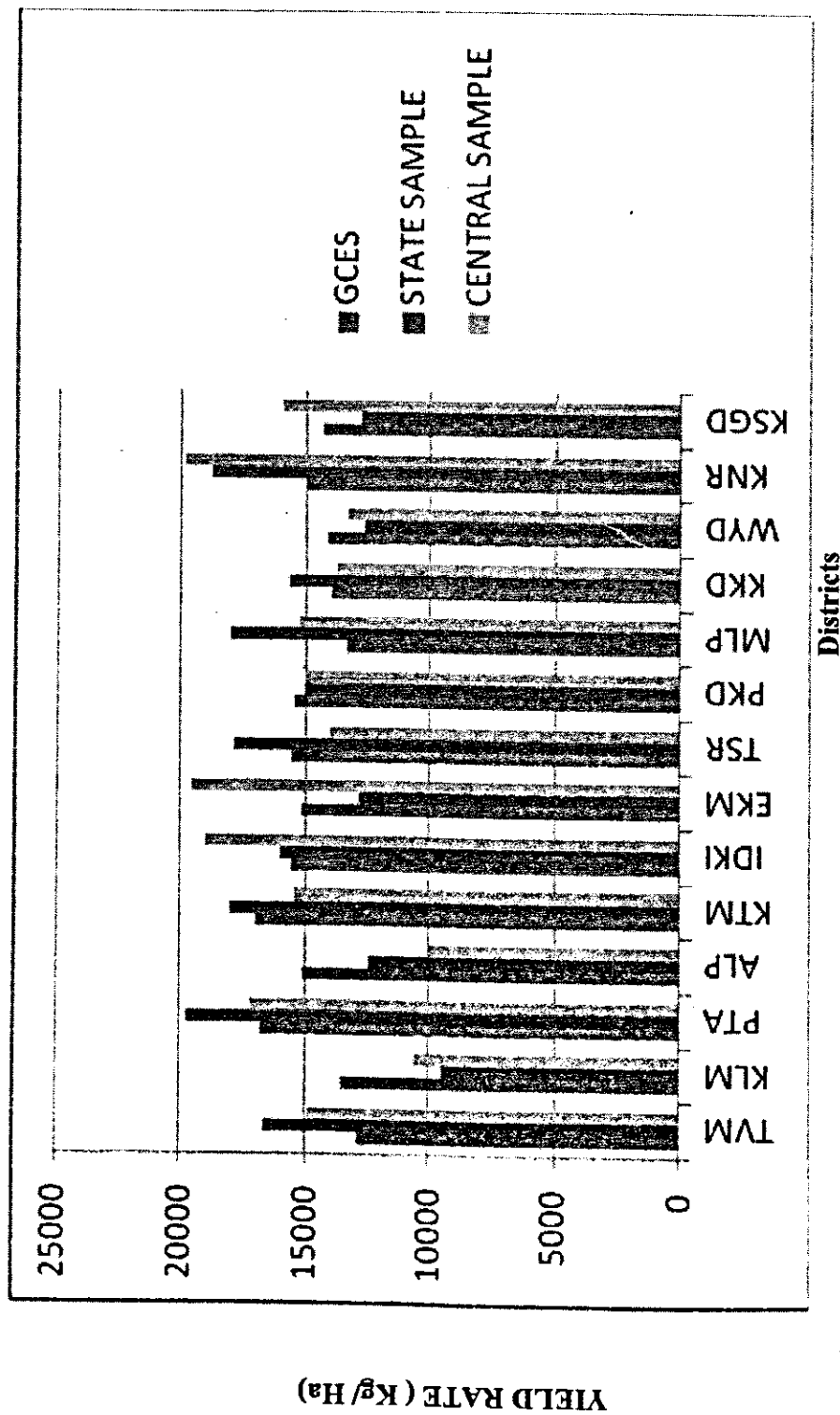
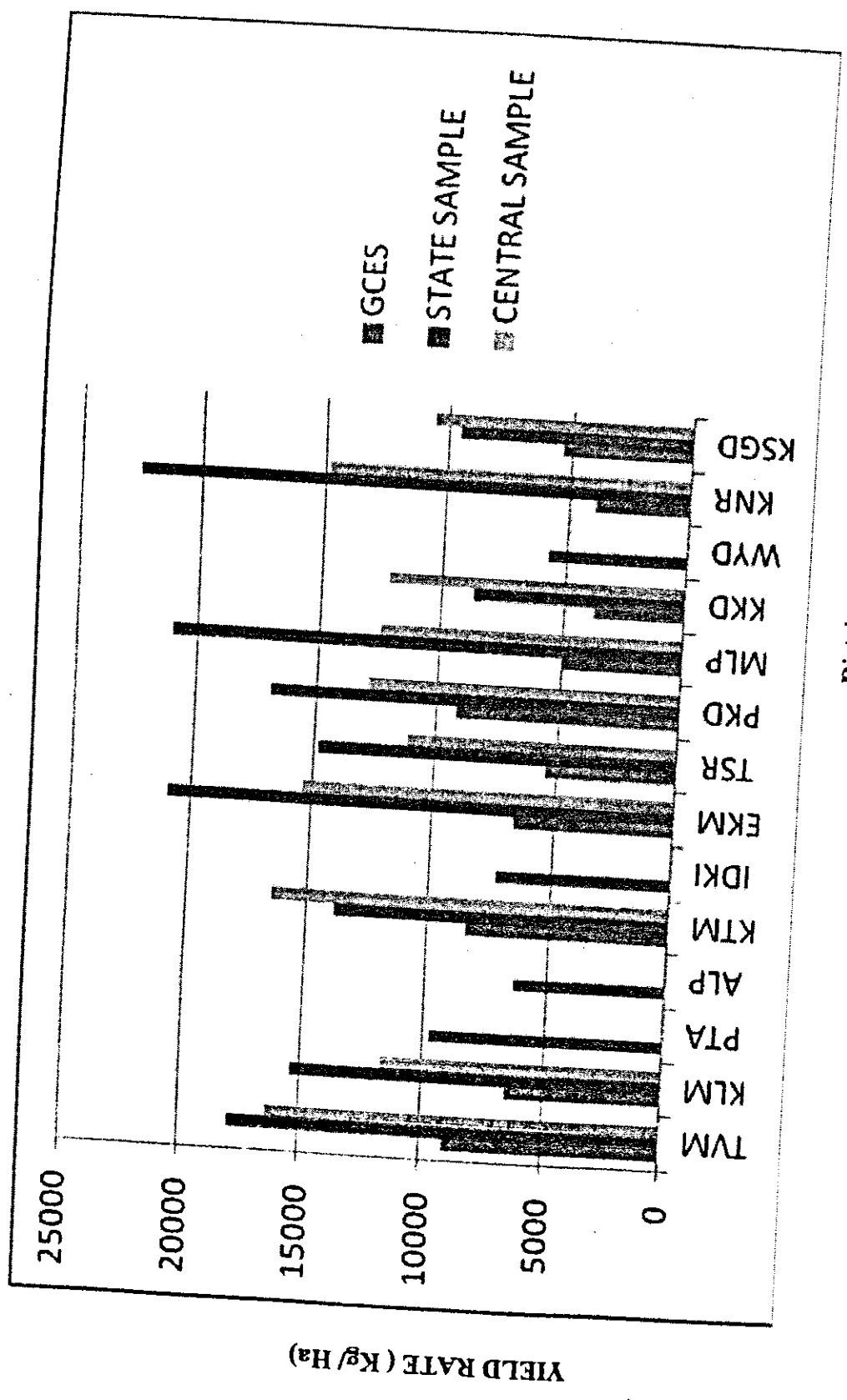
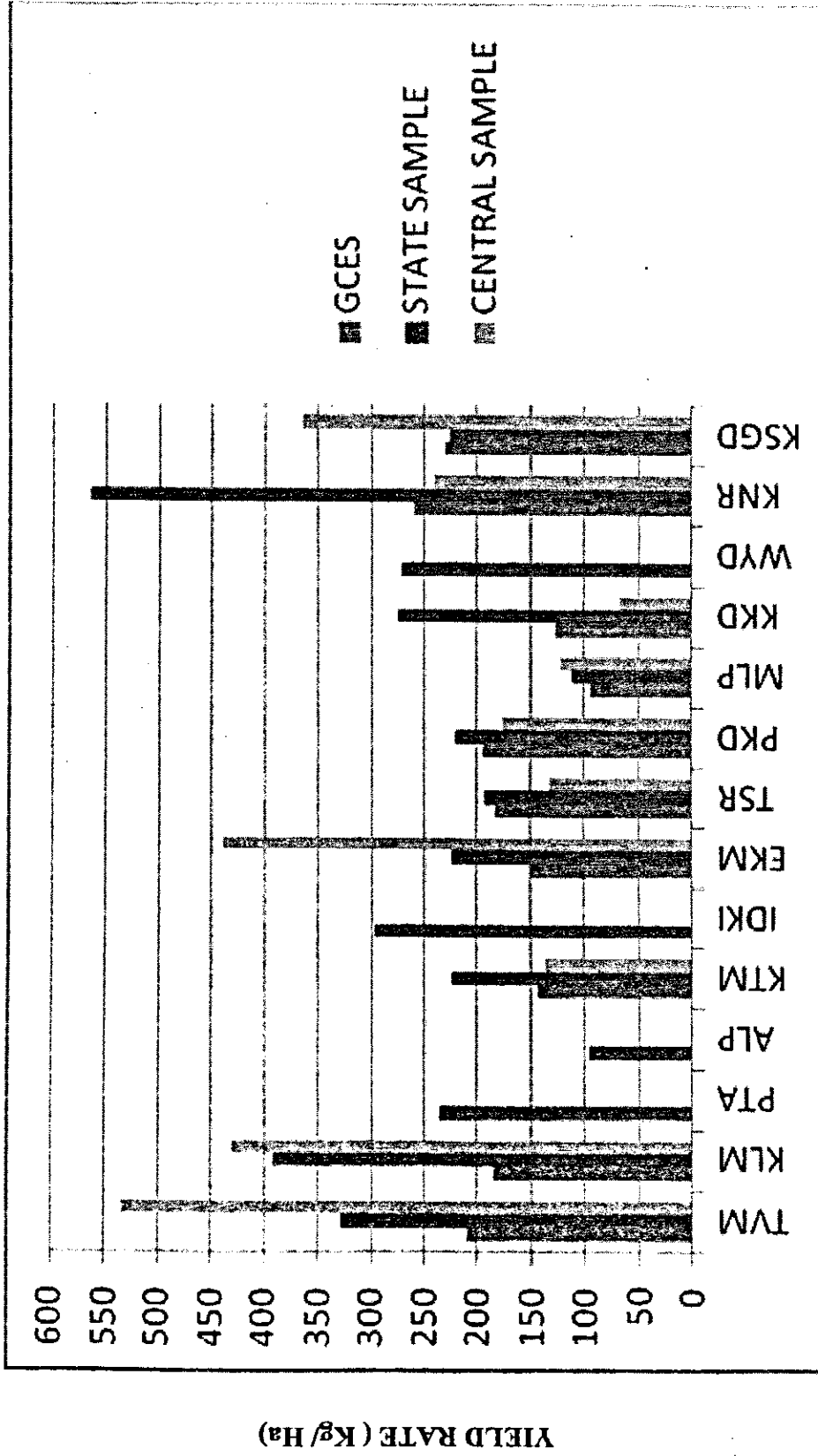


Chart-7
YIELD RATE OF PLANTAIN UNDER GCES & ICS IN 2009-10



Districts

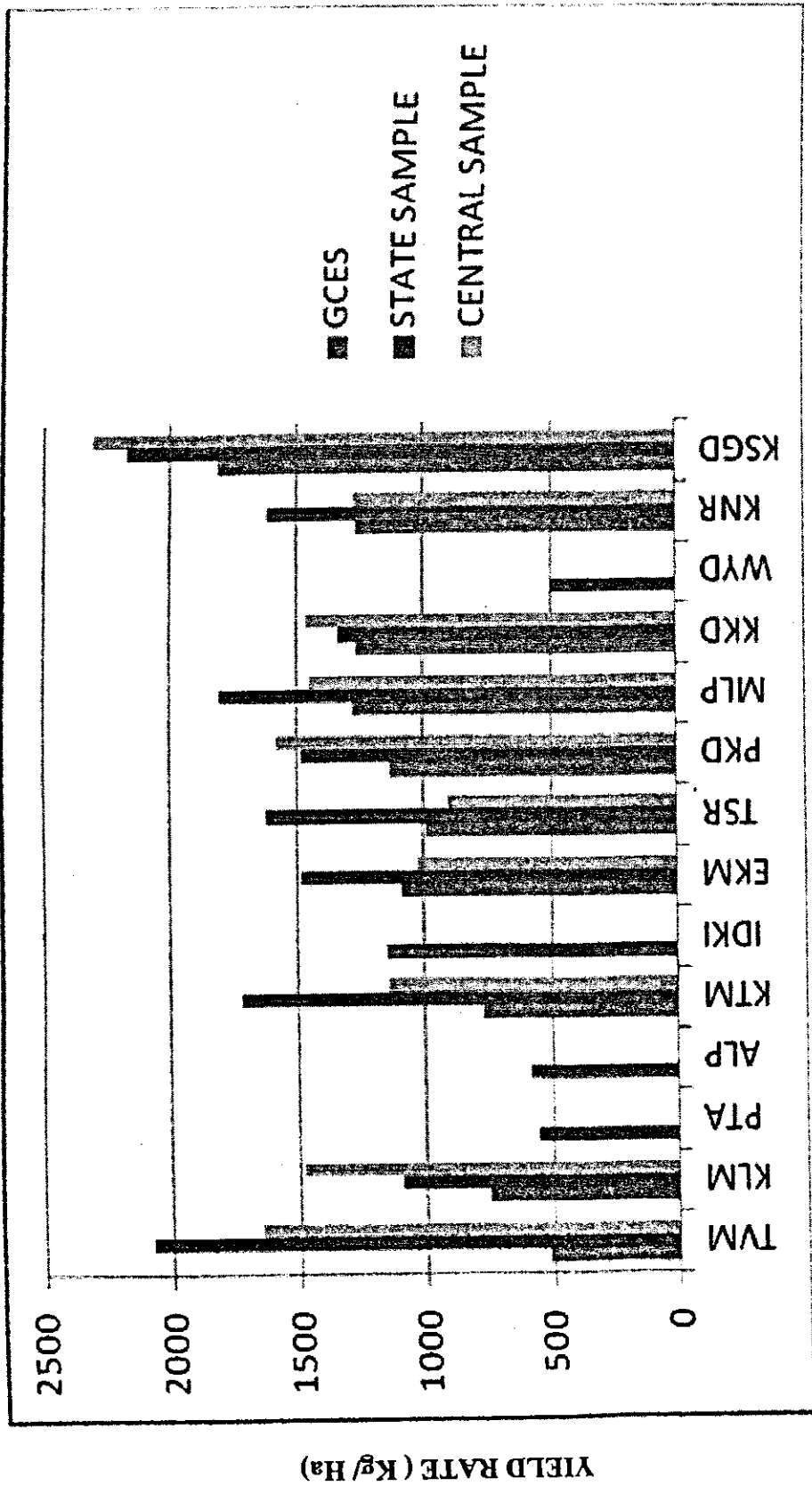
Chart-8
YIELD RATE OF PEPPER UNDER GCES & ICS IN 2009-10



Districts

Chart-9

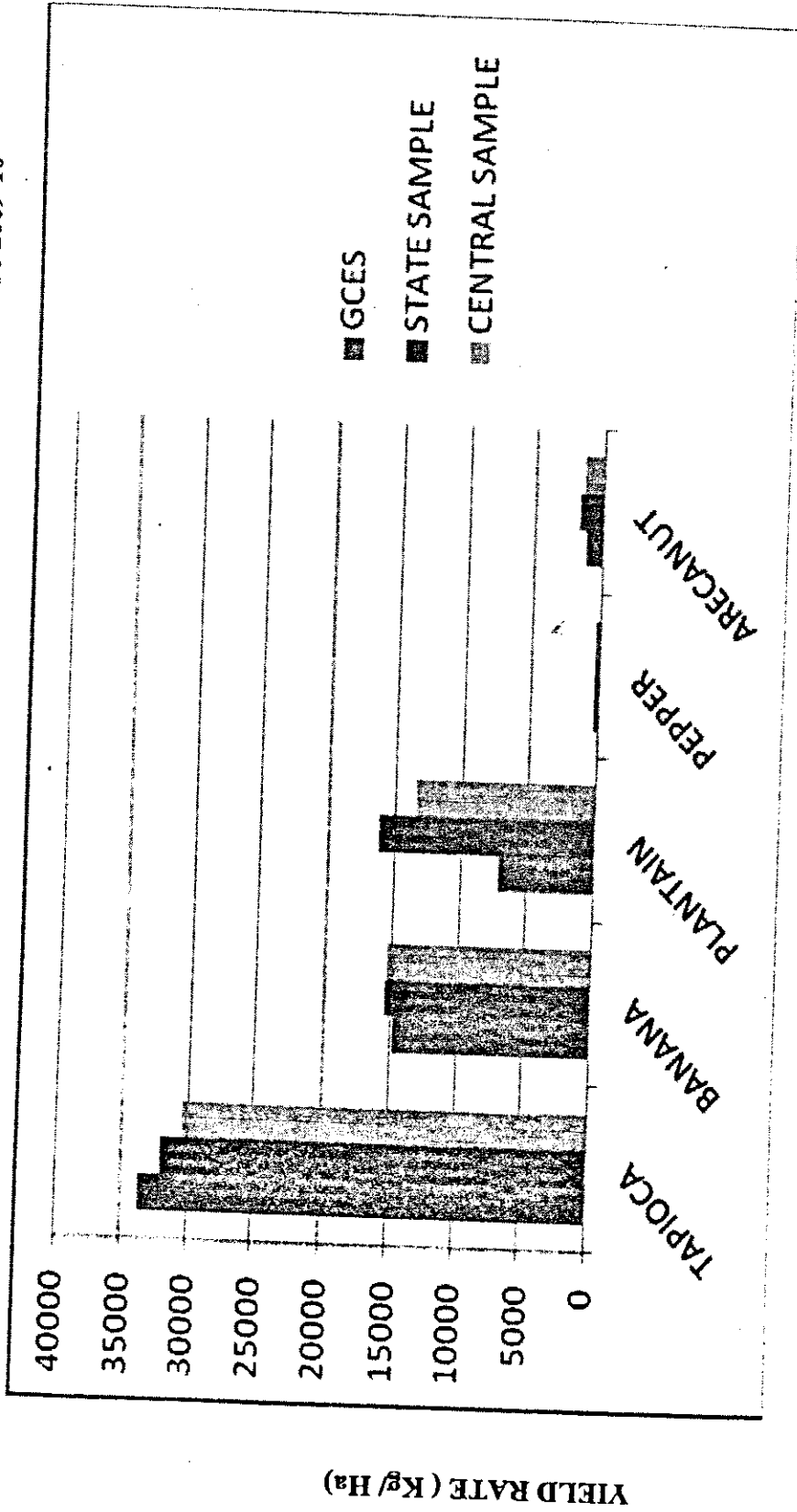
YIELD RATE OF ARECANUT UNDER GCES & ICS IN 2009-10



Districts

Chart-10

STATE WISE YIELD RATES OF IMPORTANT CROPS UNDER GCES & ICS 2009-10



Crops

1276

1276

