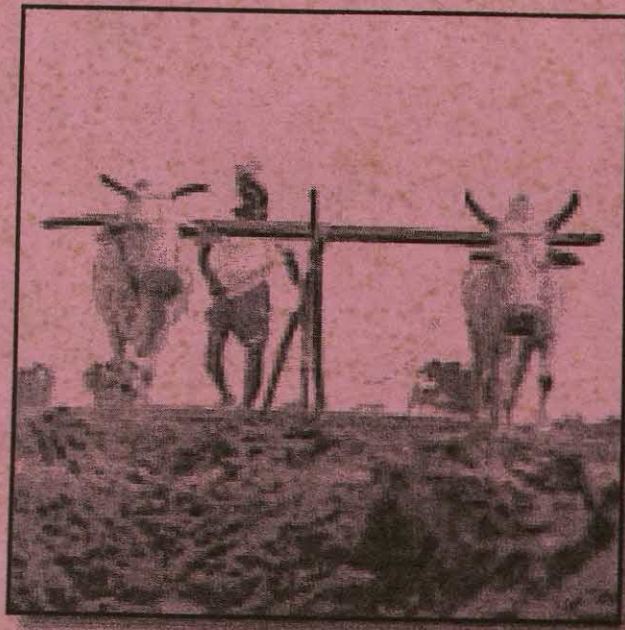


81 No. 1397



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



**2008-09**

**DEPARTMENT OF ECONOMICS AND STATISTICS**

**KERALA**



## PREFACE

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

The scheme on improvement of Crop Statistics is implemented in the State under the efforts of National Sample Survey Organisation and the State Agricultural Statistics Authority (Department of Economics & Statistics). The present review report on improvement of Crop Statistics for the year 2008-09 is the second report in the series on mechanism of its working in the state.

The Annual Report **GOVERNMENT OF KERALA** 2008-09 is prepared by the Single Check unit functioning in the Department of Economics and Statistics Government of Kerala. In this connection, I express my sincere gratitude to Sri. Gokul Jayan (Additional Director), Sri. R. Balan (Joint Director), Sri. A. P. Suresh (Assistant Director), Sri. Ramesh K. C. (Research officer), Sri. Sankar Kumar (Research Assistant), Sri. Ranganath (Statistical Assistant Gr. II) for the preparation and publication of the report.

**2008-09**

V. Ramachandran  
Director

**DEPARTMENT OF ECONOMICS AND STATISTICS**

**KERALA**



## **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 Organisation and the State Agriculture Statistics Authority (Department of Economics & Statistics). The annual review report on Improvement of Crop Statistics for the year 2008-09 is the second report in the series on implementation of the scheme in the state.*

*The Annual Review Report on ICS for 2008-09 is prepared by the Sample Check unit functioning in the Directorate of Economics and Statistics Government of Kerala. In this connection, I express my sincere gratitude to Sri. Gorkey Jose (Additional Director), Sri. R. Balan (Joint Director), Sri. A. P. Shojan (Assistant Director) Smt. Renuka K. K., (Research officer), Smt. Santhakumary, (Research Assistant), Sri. Kunjumon., (Statistical Assistant Gr.11) for the preparation and publication of the report.*

*V. Ramachandran  
Director*



# CONTENTS

SL.NO	SUBJECT	PAGE NO
I.	INTRODUCTION	1
1.	District level co-ordination committees	1
2.	The scheme for improvement of Crop Statistics(ICS)	2
	Analysis of Data-2008-2009	
II.	Check on Area Enumeration and Area Aggregation	3
1.	Response in Sample Check on Enumeration of Area during 2008-2009	4
2.	Completion of Area enumeration under EARAS	4
3.	Submission of EARAS Statement	5
4.	Discrepancies in recording Crop and Crop areas	5
5.	Discrepancies in recording variety particulars of seed used	6
III	Check on Crop Cutting Experiments	6
1.	Sample Check on Crop Cutting Experiments	6
2.	Distribution of number of Experiments conducted by important inputs	6
3.	Procedural Deviations and discrepancies	7
4.	Supply and use of crop Cutting Equipment	7
IV	Estimation on Average Yield Rates	8
V	Comparison of ICS and GCES Yield Estimates	8
VI	TABLES [1-17(iii)]	8-102 & 107-108
VII	CHARTS [1-10]	103-106 & 109-114





## 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 Statistical Authorities (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 2008-09. 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) the State Government on matching basis in two non-overlapping sample. The basic data collected through these checks are exchanged between <sup>the</sup> 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, weighing 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-2008-09**

## **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 2008-09

The response in sample check on area enumeration i.e., the number of IV zones for which filled in schedules were received during 2008-09 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 30 days 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 2008-09 is given in Table – 2. 98.75%, 98.75%, and 96.25% cases for central sample and 94.87%, 85.89% and 100% cases for state sample were completed girdawari in time during Autumn, Winter and Summer seasons respectively. 1.25% and 3.75% cases for central sample during Autumn and Summer season and 5.13%, 14.10%, cases for state sample during Autumn, Winter season reported that the area enumeration has completed after the due date. 1.25% cases for central sample has reported the non-completion of area enumeration till the time of the supervisors visit during winter season.

### **3. Submission of EARAS Statement**

The details of season wise submission of EARAS crop statements during 2008-09 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 5 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 Thiruvananthapuram, Pathanamthitta, Palakkad and Wayanad districts. EARAS statement submitted after completing area enumeration by due date is very less in Thiruvananthapuram and Wayanad 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 2008-09 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 Thiruvananthapuram, Palakkad and Ernakulam districts. Reporting of crops actually not grown in the field (E2) which occurred in Palakkad districts only. Reporting of incorrect area of crops (E3) was found high in Kollam and Idukki districts.

## **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 Thiruvananthapuram and Palakkad districts in Autumn season, Palakkad and Malappuram districts during winter season and Ernakulam district during summer season. The impact of discrepancies requires adequate attention for controlling the situation.

## **Sample Check on Crop Cutting Experiment**

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 2008-09. The response position was almost cent percent for paddy in Autumn and winter seasons but 99% response for central sample for 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 100%, 100% and 99% during Autumn, Winter and Summer seasons for paddy 2008-'09 respectively and the state personnel's participation was 100% in each season. The extent of participation at harvest stage is cent percent for state personnel for the crops Tapioca, Pepper, Banana, Plantain and Arecanut. While the central personnel were able to participate

at cent percentage programme at the harvest stage for the crops Tapioca, Pepper 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 weighing 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 2008-09

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 2008-09. 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 2008-09 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 2008-09 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 2008-09 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 2008-09 is given in Chart X.



Table-1

**RESPONSE IN SAMPLE CHECK ON ENUMERATION OF AREA  
DURING 2008-09**

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	75	75	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	Kasaragod	C	4	100	100	100
		S	4	100	100	100
For District Covered		C	80	100	100	100
		S	80	97.5	97.5	100

C - Central Sample

S - State Sample

Table-2

## TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2008-09

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				80	20	
		S	100					100			100		
2	Kollam	C	100				100				100		
		S	100				100				100		
3	Pathanamthitta	C	100				100				100		
		S	66.7	33.33			100				100		
4	Alappuzha	C	66.7	33.33			100				100		
		S	100				100				100		
5	Kottayam	C	100				100				83.33	16.67	
		S	100				100				100		
6	Idukki	C	100				87.5				87.5	12.5	
		S	100				100				100		
7	Ernakulam	C	100				100				100		
		S	100				100				100		
8	Thrissur	C	100				100				100		
		S	100				100				100		
9	Palakkad	C	100				100				100		
		S	88.9	11.11			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	66.7	33.33				100			100		
13	Kannur	C	100				100				100		
		S	100				100				100		
14	Kasaragod	C	100				100				100		
		S	100				100				100		
For District Covered		C	98.75	1.25			98.75		1.25		96.25	3.75	
		S	94.87	5.13			85.89	14.10			100		

Table-3  
TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2008-09

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			80	20						
		Winter	C			80						20	
			S	100									
		Summer	C			100							
			S			100							
2	Kollam	Autumn	C			100							
			S			20		80					
		Winter	C			60	20					20	
			S			100							
		Summer	C			80						20	
			S			100							
3	Pathanamthitta	Autumn	C	100									
			S			100							
		Winter	C			100							
			S				100						
		Summer	C			100							
			S			100							
4	Alappuzha	Autumn	C				33.33					66.7	
			S			100							
		Winter	C	33.3		33.3	33.3						
			S			100							
		Summer	C				100						
			S			100							
5	Kottayam	Autumn	C			83.3	17.7						
			S			100							
		Winter	C			50	50						
			S			100							
		Summer	C	33.3		66.7							
			S			100							

Table-3 Contd.....

## TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2008-09

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		
6	Idukki	Autumn	C			100							
			S			100							
		Winter	C			62.5							37.5
			S			100							
		Summer	C	12.5			87.5						
			S				100						
7	Ernakulam	Autumn	C			100							
			S			50	33.3	16.7					
		Winter	C				100						
			S				100						
		Summer	C				100						
			S				100						
8	Thrissur	Autumn	C			100							
			S			100							
		Winter	C	20			80						
			S				100						
		Summer	C				100						
			S				100						
9	Palakkad	Autumn	C			100							
			S	11.1			11.1	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 2008-09

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	16.7		66.6						16.7	
			S			100							
		Winter	C			100							
			S			100							
		Summer	C			16.7					83.3		
			S					100					
12	Wayanad	Autumn	C			33.3	50					16.7	
			S			100							
		Winter	C			33.3	66.7						
			S					100					
		Summer	C					75			12.5		12.5
			S				100						
13	Kannur	Autumn	C			100							
			S			100							
		Winter	C			85.7	14.3						
			S			100							
		Summer	C								100		
			S				100						
14	Kasaragod	Autumn	C			100							
			S			100							
		Winter	C			75							25
			S			100							
		Summer	C								100		
			S				100						
For District Covered		Autumn	C	5		83.75	6.25					5	
			S	1.28		79.48	12.82	6.41					
		Winter	C	2.5		77.5	12.5						7.5
			S	6.41		61.54	32.05						
		Summer	C	3.75		63.75	8.75				21.25		2.5
			S			81.25	18.75						

C - Central Sample

S - State Sample

Table-4

**PERCENTAGE OF SURVEY NUMBERS IN WHICH ERRORS IN RECORDING CROP AREAS WERE OBSERVED : 2008- 09**

Sl. No.	District	Agency	Percentage of survey numbers with different types of errors in enumeration of area during												
			AUTUMN				WINTER				SUMMER				
			e <sub>0</sub>	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	e <sub>0</sub>	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	e <sub>0</sub>	e <sub>1</sub>	e <sub>2</sub>	e <sub>3</sub>	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvananthapuram	C	100				100				#				
		S	72	14	0	14	100				#				
2	Kollam	C	79			21	71				29	#			
		S	77			23	92				8	#			
3	Pathanamthitta	C	100				#				#				
		S	100				94				6	100			
4	Alappuzha	C	100				100				100				
		S	#				#				100				
5	Kottayam	C	100				83				17	100			
		S	100				100				100				
6	Idukki	C	60			40	71				29	100			
		S	#				68				32	21			79
7	Ernakulam	C	100				100				72	14	0	14	
		S	100				97				3	100			
8	Thrissur	C	100				84				16	#			
		S	100				100				100				
9	Palakkad	C	93	0	2	5	94	2	0	4	100				
		S	99			1	100				#				
10	Malappuram	C	100				96				4	100			
		S	100				100				100				
11	Kozhikkode	C	100				100				100				
		S	90			10	88				12	100			
12	Wayanad	C	#				98				2	100			
		S	#				85				15	94			6
13	Kannur	C	100				96				4	100			
		S	89			11	94				6	#			
14	Kasaragod	C	100				100				#				
		S	100				100				100				
For District Covered		C	95.5		0.5	4	91.4	0.3		8.3	98	1		1	
		S	93.5	0.5		6	91			9	88				12

C - Central Sample

S - State Sample

# - Crop not reported in the selected zones

e<sub>0</sub> - No errore<sub>2</sub> - Reporting of crops actually not growne<sub>1</sub> - Non-reporting of crops actually growne<sub>3</sub> - Reporting incorrect area of crops

Table-5(a)  
**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING  
 2008- 09  
 Autumn**

Sl. No.	District	Agency	Percentage of survey numbers in which particulars												
			Tallied				Not Tallied								
							Supervisor				Patwari				
			HY&L	HY	L	Total	HY	L	NR	Total	HY	L	NR	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvananthapuram	C		100											
		S		86			14							14	
2	Kollam	C		100											
		S		100											
3	Pathanamthitta	C		100											
		S		100											
4	Alappuzha	C		100											
		S	#												
5	Kottayam	C		100											
		S		100											
6	Idukki	C		100											
		S	#												
7	Ernakulam	C		100											
		S		100											
8	Thrissur	C		100											
		S		100											
9	Palakkad	C		96	2				2		2				
		S		92	8										
10	Malappuram	C		100											
		S		92	8										
11	Kozhikkode	C		100											
		S		30	70										
12	Wayanad	C	#												
		S	#												
13	Kannur	C		97	3										
		S		89	11										
14	Kasaragod	C		95	5										
		S		93	7										
For District Covered		C		98	1.5				0.5		0.5				
		S		90.2	9.3			0.5						0.5	

C - Central Sample

S - State Sample

HY- High Yielding Variety Seed

L- Local Variety Seed

# - Crop not reported in the selected zones

Table-5(w)  
**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING  
 2008- 09  
 WINTER SEASON**

Sl. No.	District	Agency	Percentage of survey numbers in which particulars													
			Tallied				Supervisor					Not Tallied				
			HY & L	HY	L	Total	HY & L	HY	L	NR	Total	HY	L	NR	Total	
4	5	6	7	8	9	10	11	12	14	15	16	17				
1	Thiruvananthapuram	C		100												
		S		100												
2	Kollam	C		62	38											
		S		47	53											
3	Pathanamthitta	C	#													
		S		100												
4	Alappuzha	C			100											
		S	#													
5	Kottayam	C		100												
		S		60	40											
6	Idukki	C		100												
		S		23	77											
7	Ernakulam	C		100												
		S		89	11											
8	Thrissur	C		84	16											
		S		100												
9	Palakkad	C		90	8			2							2	
		S		68	32											
10	Malappuram	C		53	45				2			2				
		S		51	49											
11	Kozhikkode	C		38	62											
		S		17	83											
12	Wayanad	C		84	16											
		S		84	16											
13	Kannur	C		61	39											
		S		44	56											
14	Kasaragod	C		67	33											
		S			100											
<b>For District Covered</b>		C		<b>74</b>	<b>25.4</b>			<b>0.3</b>	<b>0.3</b>			<b>0.3</b>		<b>0.3</b>		
		S		<b>63</b>	<b>37</b>											

C - Central Sample

S - State Sample

HY- High Yielding Variety Seed

L- Local Variety Seed



Table-5(s)

**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING  
2008-09  
SUMMER**

Sl. No.	District	Agency	Percentage of survey numbers in which particulars												
			Tallied				Not Tallied								
			HY&L	HY	L	Total	Supervisor				Patwari				
							HY	L	NR	Total	HY	L	NR	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvananthapuram	C	#												
		S	#												
2	Kollam	C	#												
		S	#												
3	Pathanamthitta	C	#												
		S		100											
4	Alappuzha	C		100											
		S		100											
5	Kottayam	C		100											
		S		100											
6	Idukki	C		100											
		S		100											
7	Ernakulam	C		85.7				14.3						14.3	
		S		100											
8	Thrissur	C	#												
		S		100											
9	Palakkad	C		100											
		S	#												
10	Malappuram	C		86.6	13.4										
		S		86	14										
11	Kozhikkode	C		100											
		S		85.7	14.3										
12	Wayanad	C		100											
		S		100											
13	Kannur	C		33.3	66.7										
		S	#												
14	Kasaragod	C	#												
		S			100										
For District Covered		C		94	5			1						1	
		S		96	4										

Table-6

**RESPONSE IN SAMPLE CHECK ON CROP CUTTING EXPERIMENTS FOR PADDY DURING  
2008-09**

Sl. No.	District	Agency	Autumn		Winter		Summer		Annual	
			No. of Expts. Planned	% Response	No. of Expts. Planned	% Response	No. of Expts. Planned	% Response	No. of Expts. Planned	% Response
1	2	3	4	5	6	7	8	9	10	11
1	Thiruvananthapuram	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
2	Kollam	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
3	Pathanamthitta	C	4	100	4	100	4	75	12	91.67
		S	4	100	4	100	4	100	12	100
4	Alappuzha	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
5	Kottayam	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
6	Idukki	C	4	100	4	100	4	100	12	100
		S	4	100	4	100	4	100	12	100
7	Ernakulam	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
8	Thrissur	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
9	Palakkad	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
10	Malappuram	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
11	Kozhikkode	C	12	100	8	100	8	100	28	100
		S	12	100	8	100	8	100	28	100
12	Wayanad	C	0	0	4	100	4	100	8	100
		S	0	0	4	100	4	100	12	100
13	Kannur	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	30	100
14	Kasaragod	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
For District Covered		C	100	100	100	100	100	99	300	99.67
		S	100	100	100	100	100	100	300	100

C - Central Sample

S - State Sample

Table-7(i)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
IMPORTANT INPUTS DURING 2008-09**

**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	100	100	100
		S		8	100	100	100
		C	T	8	100	100	100
		S		8	100	100	100
2	Kollam	C	H	6	16.67	100	100
		S		6	50	100	100
		C	T	6	16.67	100	100
		S		6	50	100	100
3	Pathanamthitta	C	H	4	100	100	100
		S		4	0	100	100
		C	T	4	100	100	100
		S		4	0	100	100
4	Alappuzha	C	H	6	0	100	83.33
		S		6	33.33	100	100
		C	T	6	0	100	83.33
		S		6	33.33	100	100
5	Kottayam	C	H	8	75	100	100
		S		8	75	100	100
		C	T	8	75	100	100
		S		8	75	100	100
6	Idukki	C	H	4	50	100	100
		S		4	100	100	100
		C	T	4	50	100	100
		S		4	100	100	100
7	Ernakulam	C	H	8	50	100	100
		S		8	62.5	100	62.5
		C	T	8	50	100	100
		S		8	62.5	100	62.5
8	Thrissur	C	H	10	0	100	90
		S		10	0	100	100
		C	T	10	0	100	90
		S		10	0	100	100

Contd.....

## DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2008- 09

### 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	0	100	90
		S		10	10	70	100
		C	T	10	0	100	90
		S		10	10	70	100
10	Malappuram	C	H	10	0	100	80
		S		10	0	70	100
		C	T	10	0	100	80
		S		10	0	70	100
11	Kozhikkode	C	H	12	0	66.67	75
		S		12	0	41.67	66.67
		C	T	12	0	66.67	75
		S		12	0	41.67	66.67
12	Wayanad	C	H		NO AUTUMN PADDY IN THE SELECTED ZONE		
		S					
		C	T				
		S					
13	Kannur	C	H	8	37.5	100	100
		S		8	0	100	75
		C	T	8	37.5	100	100
		S		8	0	100	75
14	Kasaragod	C	H	6	0	83.33	100
		S		6	0	66.67	100
		C	T	6	0	83.33	100
		S		6	0	66.67	100
For District Covered		C	H	100	28	95	92
		S		100	29	85	91
		C	T	100	28	95	92
		S		100	29	85	91

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 2008-09**

**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	100
		S		8	100	100	87.5
		C	T	8	100	100	100
		S		8	100	100	87.5
2	Kollam	C	H	6	50	100	100
		S		6	100	83.33	100
		C	T	6	50	100	100
		S		6	100	83.33	100
3	Pathanamthitta	C	H	4	66.67	100	100
		S		4	100	100	100
		C	T	4	50	75	75
		S		4	100	100	100
4	Alappuzha	C	H	6	66.67	100	100
		S		6	100	100	100
		C	T	6	0	33.33	83.33
		S		6	100	83.33	100
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	75	50
		C	T	4	100	100	100
		S		4	100	75	50
7	Ernakulam	C	H	8	100	100	100
		S		8	87.5	100	100
		C	T	8	100	100	100
		S		8	87.5	100	100
8	Thrissur	C	H	10	80	50	100
		S		10	100	100	80
		C	T	10	80	50	100
		S		10	100	100	80

Contd.....

## DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING -2008-09

### 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	100	100	80
		S		10	70	50	100
		C	T	10	100	100	80
		S		10	70	50	100
10	Malappuram	C	H	10	100	40	70
		S		10	20	70	70
		C	T	10	100	40	70
		S		10	20	70	70
11	Kozhikkode	C	H	8	0	25	75
		S		8	0	12.5	50
		C	T	8	0	25	75
		S		8	0	12.5	50
12	Wayanad	C	H	4	75	75	100
		S		4	75	75	75
		C	T	4	75	75	100
		S		4	75	75	75
13	Kannur	C	H	8	87.5	87.5	87.5
		S		8	62.5	25	62.5
		C	T	8	87.5	87.5	87.5
		S		8	62.5	25	62.5
14	Kasar god	C	H	6	100	100	100
		S		6	100	33.33	100
		C	T	6	100	100	100
		S		6	100	33.33	100
For District Covered		C	H	100	78	71	91
		S		100	72	71	83
		C	T	100	78	71	91
		S		100	72	71	83

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 2008-09**

**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	87.5
		C	T	8	100	100	100
		S		8	100	100	87.5
2	Kollam	C	H	6	50	100	100
		S		6	100	83.33	100
		C	T	6	50	100	100
		S		6	100	83.33	100
3	Pathanamthitta	C	H	4	66.67	100	100
		S		4	100	100	100
		C	T	3	50	75	75
		S		4	100	100	100
4	Alappuzha	C	H	6	66.67	100	100
		S		6	100	100	100
		C	T	6	66.67	100	100
		S		6	100	100	100
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	100	75
		S		4	100	100	100
		C	T	4	100	100	75
		S		4	100	100	100
7	Ernakulam	C	H	8	100	100	87.5
		S		8	100	75	87.5
		C	T	8	100	100	87.5
		S		8	100	75	87.5
8	Thrissur	C	H	10	100	100	100
		S		10	100	100	100
		C	T	10	100	100	100
		S		10	100	100	100

Contd.....

## DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2008-09

### 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	100	100	90
		S		10	100	100	90
		C	T	10	100	100	90
		S		10	100	100	90
10	Malappuram	C	H	10	100	100	100
		S		10	100	70	70
		C	T	10	100	100	100
		S		10	100	70	70
11	Kozhikkode	C	H	8	100	87.5	87.5
		S		8	100	87.5	100
		C	T	8	100	87.5	87.5
		S		8	100	87.5	100
12	Wayanad	C	H	4	100	100	100
		S		4	100	100	100
		C	T	4	100	100	100
		S		4	100	100	100
13	Kannur	C	H	8	75	62.5	87.5
		S		8	100	37.5	87.5
		C	T	8	75	62.5	87.5
		S		8	100	37.5	87.5
14	Kasaragod	C	H	6	100	66.67	100
		S		6	100	50	100
		C	T	6	100	66.67	100
		S		6	100	50	100
For District Covered		C	H	99	91.92	93.94	94.95
		S		100	100	85	93
		C	T	100	91	93	94
		S		100	100	85	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 2008- 09**

## Tapioca

S/..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	50	50
		S		4	75	0	50
		C	T	4	50	50	50
		S		4	75	0	50
2	Kollam	C	H	4	50	0	75
		S		4	25	0	25
		C	T	4	50	0	75
		S		4	25	0	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	25
		S		4	0	0	50
		C	T	4	0	0	25
		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	Eranakulam	C	H	4	25	25	100
		S		4	75	0	50
		C	T	4	25	25	100
		S		4	75	0	50
8	Thrissur	C	H	4	0	0	0
		S		4	25	50	50
		C	T	4	0	0	0
		S		4	25	50	50

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
IMPORTANT INPUTS DURING 2008- 09**

**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	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
10	Malappuram	C	H	4	75	75	75
		S		4	25	25	0
		C	T	4	75	75	75
		S		4	25	25	0
11	Kozhikkode	C	H	4	0	0	0
		S		6	16.67	0	0
		C	T	4	0	0	0
		S		6	016.67	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	50
		S		4	50	0	25
		C	T	4	0	0	50
		S		4	50	0	25
14	Kasaragod	C	H	4	25	0	75
		S		4	0	0	50
		C	T	4	25	0	75
		S		4	0	0	50
For District Covered		C	H	40	22.5	15	45
		S		42	28.57	7.14	28.57
		C	T	40	22.5	15	45
		S		42	28.57	7.14	28.57

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 2008-09**

**Pepper**

Sj.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	0	0	0
		S		4	0	25	0
		C	T	4	0	0	0
		S		4	0	25	0
2	Kollam	C	H	4	0	25	0
		S		4	0	0	0
		C	T	4	0	25	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	4	0	0	0
		S		4	100	0	50
		C	T	4	0	0	0
		S		4	100	0	50
5	Kottayam	C	H	4	0	0	0
		S		4	100	0	0
		C	T	4	0	0	0
		S		4	100	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
07	Ernakulam	C	H	4	0	0	0
		S		4	25	0	0
		C	T	4	0	0	0
		S		4	25	0	0
8	Thrissur	C	H	4	25	25	0
		S		4	75	50	0
		C	T	4	25	25	0
		S		4	75	50	0

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
IMPORTANT INPUTS DURING 2008-09**

**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	0	50	0
		S		4	0	50	0
		C	T	4	0	50	0
		S		4	0	50	0
10	Malappuram	C	H	4	50	0	0
		S		4	25	25	0
		C	T	4	50	0	0
		S		4	25	25	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	Kasaragod	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
For District Covered		C	H	40	7.5	10	0
		S		40	32.5	15	5
		C	T	40	7.5	10	0
		S		40	32.5	15	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 2008- 09**

**Banana**

S.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	0	75
		S		4	100	0	0
		C	T	4	75	0	75
		S		4	100	0	0
2	Kollam	C	H	4	100	0	100
		S		4	25	0	75
		C	T	4	100	0	100
		S		4	25	0	75
3	Pathanamthitta	C	H	4	0	0	100
		S		4	50	0	100
		C	T	4	0	0	100
		S		4	50	0	100
4	Alappuzha	C	H	4	100	0	25
		S		4	100	0	50
		C	T	4	100	0	25
		S		4	100	0	50
5	Kottayam	C	H	4	0	0	75
		S		4	0	0	100
		C	T	4	0	0	75
		S		4	0	0	100
6	Idukki	C	H	2	0	0	100
		S		4	0	0	25
		C	T	4	0	0	100
		S		4	0	0	25
7	Ernakulam	C	H	4	25	0	100
		S		4	100	0	100
		C	T	4	25	0	100
		S		4	100	0	100
8	Thrissur	C	H	4	100	0	75
		S		4	75	0	100
		C	T	4	100	0	75
		S		4	75	0	100

Contd.....

## DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2008-09

### Banana

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	6	33.33	0	66.67
		S		6	50	0	50
		C	T	6	33.3	0	66.67
		S		6	50	0	50
10	Malappuram	C	H	6	100	0	83.33
		S		6	66.67	16.67	66.67
		C	T	6	100	0	83.33
		S		6	66.67	16.67	66.67
11	Kozhikkode	C	H	4	50	0	100
		S		4	100	0	100
		C	T	4	50	0	100
		S		4	100	0	100
12	Wayanad	C	H	4	75	0	100
		S		4	100	0	50
		C	T	4	75	0	100
		S		4	100	0	50
13	Kannur	C	H	4	100	0	100
		S		4	75	0	75
		C	T	4	100	0	100
		S		4	75	0	75
14	Kasaragod	C	H	4	100	0	100
		S		4	0	0	100
		C	T	4	100	0	100
		S		4	0	0	100
For District Covered		C	H	58	63.79	0	84.4
		S		60	60	2	70
		C	T	60	61.67	0	85
		S		60	60	2	70

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 2008- 09**

**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
1	Thiruvananthapuram	C	H	4	50	0	50
		S		4	50	0	0
		C	T	4	50	0	50
		S		4	50	0	0
2	Kollam	C	H	4	25	0	75
		S		4	25	0	50
		C	T	4	25	0	75
		S		4	25	0	50
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	25
		S		4	0	0	75
		C	T	4	0	0	25
		S		4	0	0	75
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	100
		S		4	100	25	50
		C	T	4	25	0	100
		S		4	100	25	50
8	Thrissur	C	H	4	75	0	0
		S		4	50	0	0
		C	T	4	75	0	0
		S		4	50	0	0

Contd.....

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO  
IMPORTANT INPUTS DURING 2008- 09**

**Plantain**

S.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	0	0	33.33
		S		6	16.67	0	0
		C	T	6	0	0	33.33
		S		6	16.67	0	0
10	Malappuram	C	H	6	16.67	0	16.67
		S		6	50	0	16.67
		C	T	6	16.67	0	16.67
		S		6	50	0	16.67
11	Kozhikkode	C	H	4	0	0	25
		S		4	0	0	25
		C	T	4	0	0	25
		S		4	0	0	25
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	3	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
14	Kasaragod	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
For District Covered		C	H	39	20	0	35
		S		40	32.5	2.5	22.5
		C	T	40	20	0	35
		S		40	32.5	2.5	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 2008- 09**

**Arecanut**

S.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	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
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	4	0	0	0
		S		4	0	0	0
		C	T	4	0	0	0
		S		4	0	0	0
5	Kottayam	C	H	4	0	0	0
		S		4	0	25	0
		C	T	4	0	0	0
		S		4	0	25	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	0	0	0
		S		4	100	0	0
		C	T	4	0	0	0
		S		4	100	0	0
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 2008- 09**

**Arecanut**

S.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	25	0
		S		4	50	0	25
		C	T	4	50	25	0
		S		4	50	0	25
10	Malappuram	C	H	4	75	0	25
		S		4	0	0	0
		C	T	4	75	0	25
		S		4	0	0	0
11	Kozhikkode	C	H	4	0	0	25
		S		4	0	0	0
		C	T	4	0	0	25
		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	25	25	0
		S		4	0	0	0
		C	T	4	25	25	0
		S		4	0	0	0
14	Kasaragod	C	H	0	0	0	0
		S		0	0	0	0
		C	T	0	0	0	0
		S		0	0	0	0
For District Covered		C	H	40	20	5	5
		S		40	20	2.5	2.5
		C	T	40	20	5	5
		S		40	20	2.5	2.5

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

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



Table 8 (ii)

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

STATE : KERALA

YEAR : 2008-09

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	Emakulam	8	8				
8	Thrissur	10	10				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	12	12				
12	Wayanad	0	0				
13	Kannur	8	8				
14	Kasargod	6	6				
<b>Total</b>		<b>100</b>	<b>100</b>				
% to col.3			100				

Table 8(ii)

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

Sl.No	District	STATE:KERALA				YEAR:2008-09				SEASON:AUTUMN PADDY				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			
		No. of expts. Checked at harvest	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	Tyvm	8	8	3316.98	0	0	8	3316.98	0	0	0	0	0	0	8	3316.98	0	0	8	3316.98
2	Kollam	6	3	3229.7	3	2957.31	6	3093.5	0	0	0	0	0	0	3	3229.7	3	2957.31	6	3093.5
3	Path	4	0	0	4	2045.2	4	2045.2	0	0	0	0	0	0	0	0	4	2045.2	4	2045.2
4	Alpy	6	2	2733.55	4	2753	6	2746.52	0	0	0	0	0	0	2	2733.55	4	2753	6	2746.52
5	Ktm	8	6	3789.85	2	4411.22	8	3945.19	0	0	0	0	0	0	6	3789.85	2	4411.22	8	3945.19
6	Idukki	4	4	3728.56	0	0	4	3728.56	0	0	0	0	0	0	4	3728.56	0	0	4	3728.56
7	Ekrm	8	5	3364.82	3	3253.21	8	3322.97	0	0	0	0	0	0	5	3364.82	3	3253.21	8	3322.97
8	Thrs	10	0	0	10	2818.44	10	2818.44	0	0	0	0	0	0	0	0	10	2818.44	10	2818.44
9	Pakkd	10	1	3328.02	6	4486.77	7	4321.23	0	0	3	1403.25	3	1403.25	1	3328.02	9	3458.93	10	3445.84
10	Mlp	10	0	0	7	2644.2	7	2644.2	0	0	3	2130.51	3	2130.51	0	0	10	2490.09	10	2490.09
11	Kozhi	12	0	0	5	2202.16	5	2202.16	0	0	7	852.22	7	852.22	0	0	12	1414.69	12	1414.69
12	Vvyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	0	0	8	2914.63	8	2914.63	0	0	0	0	0	0	0	0	8	2914.63	8	2914.63
14	Ksrgd	6	0	0	4	3356.83	4	3356.83	0	0	2	3737	2	3737	0	0	6	3483.55	6	3483.55
	State	100	29	3430.95	56	3000.29	85	3147.22	0	0	15	1602.72	15	1602.72	29	3430.95	71	2705.03	100	2915.55

Table 8(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:2008-09						SEASON:AUTUMN PADDY						CENTRAL SAMPLE															
			Irrigated			HY varieties			Total			Irrigated			Other Varieties			total			Irrigated			Both Hy & Others			Total									
			No. of Experiments	Yield Rate Kg/Ha	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	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	4290.02	0	0	8	4290.02	0	0	0	0	0	0	8	4290.02	0	0	8	4290.02	0	0	0	0	0	8	4290.02	0	0	8	4290.02	0	0	8	4290.02	
2	Kollam	6	1	3166.46	5	3835.51	6	3724	0	0	0	0	0	0	1	3166.46	5	3835.51	6	3724	0	0	0	0	0	1	3166.46	5	3835.51	6	3724	0	0	6	3724	
3	Path	4	4	4431.1	0	0	4	4431.1	0	0	0	0	0	0	4	4431.1	0	0	4	4431.1	0	0	0	0	0	4	4431.1	0	0	4	4431.1	0	0	4	4431.1	
4	Alpy	6	0	0	6	2321.48	6	2321.48	0	0	0	0	0	0	0	0	0	6	2321.48	6	2321.48	0	0	0	0	0	6	2321.48	6	2321.48	6	2321.48	6	2321.48	6	2321.48
5	Kottm	8	6	3871.95	2	3610.71	8	3806.64	0	0	0	0	0	0	6	3871.95	2	3610.71	8	3806.64	0	0	0	0	0	6	3871.95	2	3610.71	8	3806.64	8	3806.64	8	3806.64	
6	Idukki	4	2	3910.53	2	3978.32	4	3944.42	0	0	0	0	0	0	2	3910.53	2	3978.32	4	3944.42	0	0	0	0	0	2	3910.53	2	3978.32	4	3944.42	4	3944.42	4	3944.42	
7	Ekm	8	4	2925.19	4	3003.66	8	2964.42	0	0	0	0	0	0	4	2925.19	4	3003.66	8	2964.42	0	0	0	0	0	4	2925.19	4	3003.66	8	2964.42	8	2964.42	8	2964.42	
8	Thrs	10	0	0	10	2285.67	10	2285.67	0	0	0	0	0	0	0	0	0	10	2285.67	10	2285.67	0	0	0	0	0	10	2285.67	10	2285.67	10	2285.67	10	2285.67	10	2285.67
9	Pakkd	10	0	0	10	3000.47	10	3000.47	0	0	0	0	0	0	0	0	0	10	3000.47	10	3000.47	0	0	0	0	0	10	3000.47	10	3000.47	10	3000.47	10	3000.47	10	3000.47
10	Mlp	10	0	0	10	2606.03	10	2606.03	0	0	0	0	0	0	0	0	0	10	2606.03	10	2606.03	0	0	0	0	0	10	2606.03	10	2606.03	10	2606.03	10	2606.03	10	2606.03
11	Kozhi	12	0	0	8	2108.57	8	2108.57	0	0	4	1410.59	4	1410.59	0	0	0	12	1875.91	12	1875.91	0	0	0	0	0	12	1875.91	12	1875.91	12	1875.91	12	1875.91	12	1875.91
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	
13	Kannur	8	3	2291.33	5	2454.9	8	2393.56	0	0	0	0	0	0	3	2291.33	5	2454.9	8	2393.56	0	0	0	0	0	3	2291.33	5	2454.9	8	2393.56	8	2393.56	8	2393.56	
14	Ksrgd	6	0	0	5	4014.5	5	4014.5	0	0	1	3996	1	3996	0	0	0	6	4011.42	6	4011.42	0	0	0	0	0	6	4011.42	6	4011.42	6	4011.42	6	4011.42	6	4011.42
	State	100	28	3744.23	67	2812.49	94	3087.11	0	0	5	1927.67	5	1927.67	28	3744.23	28	2751.04	100	3029.13	0	0	72	2751.04	100	3029.13	0	0	72	2751.04	100	3029.13	100	3029.13		

Table 8(v)

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

STATE : KERALA      YEAR : 2008-09      SEASON : AUTUMN 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	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	3316.982	2	3203.238	8	8	3	8	3316.982	73	55.06	51.63	0	0
2	Kollam	6	3093.504	1	3720.96	6	4	5	6	3093.504	55.9	35.6	38.6	0	0
3	Pathanamthitta	4	2045.195	2	2541.69	4	4	4	4	2045.195	52.88	47.13	38.5	0	0
4	Alappuzha	6	2746.516	0	0	6	6	6	6	2746.516	51.17	28.67	36.17	0	0
5	Kottayam	8	3945.191	4	4346.847	8	6	8	8	3945.191	48.01	39.09	31.02	0	0
6	Idukki	4	3728.56	2	3537.672	4	4	4	4	3728.56	44.08	15.56	19.81	0	0
7	Emakulam	8	3322.968	4	3447.444	5	5	4	5	3416.054	54.03	29.12	25.95	3	3167.824
8	Thrissur	10	2818.444	3	2781.24	10	9	7	10	2818.444	42.16	22.7	43.77	0	0
9	Palakkad	10	3445.837	2	2733.332	9	7	9	10	3445.837	81.11	34.14	62.67	0	0
10	Malappuram	10	2490.092	2	2705.248	10	9	6	10	2490.092	28.24	20.36	17.5	0	0
11	Kozhikode	12	1414.694	0	0	8	7	5	8	1579.034	45.08	27.24	27.46	4	1086.014
12	Wayanad								0						
13	Kannur	8	2914.625	0	0	6	4	5	6	2880.5	36.13	22.45	45.6	2	3017
14	Kasargod	6	3483.55	1	2812	6	5	5	6	3483.55	48.41	54.56	45.36	0	0
	<b>Total</b>	<b>100</b>	<b>2915.55</b>	<b>23</b>	<b>3282.44</b>	<b>90</b>	<b>78</b>	<b>71</b>	<b>91</b>	<b>2985.42</b>	<b>50.78</b>	<b>33.21</b>	<b>37.23</b>	<b>9</b>	<b>2209.06</b>

Table 8(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	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
		STATE : KERALA		YEAR : 2008-09		SEASON : AUTUMN PADDY		STATE SAMPLE							
1	2	17	18	19	20	21	22	23	24	25	26	27	28		
1	Thiruvananthapuram	0	0	6	3354.896	2	3203.238	6	3354.9	0	0	8	3316.98		
2	Kollam	0	0	5	2968.013	1	3720.96	5	2968.01	0	0	6	3093.5		
3	Pathanamthitta	0	0	2	1548.7	2	2541.69	2	1548.7	0	0	4	2045.2		
4	Alappuzha	0	0	6	2746.516	0	0	6	1643.96	0	0	6	2746.52		
5	Kottayam	0	0	4	3543.534	4	4346.847	4	3543.53	0	0	8	3945.19		
6	Idukki	0	0	2	3919.448	2	3537.672	2	3919.45	0	0	4	3728.56		
7	Ernakulam	1	129.888	1	129.888	7	3763.659	0	0	2	4686.792	6	2868.35		
8	Thrissur	0	0	7	2834.388	3	2781.24	7	2834.39	0	0	10	2818.44		
9	Palakkad	0	0	8	3623.963	2	2733.332	8	3623.96	0	0	10	3445.84		
10	Malappuram	0	0	8	2436.303	2	2705.248	8	2436.3	0	0	10	2490.09		
11	Kozhikode	3	1276.374	11	1496.49	1	514.932	8	1579.03	1	514.932	11	1496.49		
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0		
13	Kannur	2	3017	8	2914.625	0	0	6	2880.5	0	0	8	2914.63		
14	Kasargod	0	0	5	3617.86	1	2812	5	3617.86	0	0	6	3483.55		
	<b>Total</b>	<b>6</b>	<b>1665.5</b>	<b>73</b>	<b>2779.17</b>	<b>27</b>	<b>3280.26</b>	<b>67</b>	<b>2780.16</b>	<b>3</b>	<b>3296.17</b>	<b>97</b>	<b>2903.77</b>		



Table 8(vii)

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

Sl.No.	STATE : KERALA		YEAR : 2008-09				SEASON : AUTUMN PADDY				CENTRAL				
	District	No.	Experiments Checked at harvest Stage		Experiments Treated with Fertilizers Only		Experiments With Fertilizers				Experiments not Treated with Fertilizers				
			Yield Rate	No.	Yield Rate	No.	No. of Experiments		Rate of application				Yield Rate	No.	
							N	P	K	Exclusive Total	Yield Rate	N			P
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	4290.02	1	4546.06	8	8	7	8	4902.878	89.5	46.13	82.57	0	0
2	Kollam	6	3724	0	0	6	6	6	6	3724	36.17	15.67	31.5	0	0
3	Pathanamthitta	4	4431.1	0	0	4	4	4	4	4431.104	63.75	43	52.75	0	0
4	Alappuzha	6	2321.48	4	2788.65	5	5	5	5	2560.575	33.4	27	20	1	1126.016
5	Kottayam	8	3806.64	5	4208.95	7	7	6	8	3806.64	60.69	31.69	43.57	0	0
6	Idukki	4	3944.42	1	4031.84	4	4	3	4	3944.424	44.15	34.4	87.13	0	0
7	Ernakulam	8	2964.42	2	3285.08	8	8	6	8	2964.423	44.38	35.38	35.67	0	0
8	Thrissur	10	2285.67	5	1785.77	9	8	7	9	2389.137	48.67	31.13	29.71	1	1354.5
9	Palakkad	10	3000.47	8	3499.21	9	8	6	9	3268.409	113.7	53.13	89	1	589.064
10	Malappuram	10	2606.03	2	3056.41	8	8	6	8	2838.095	29.63	19.75	35.33	2	1677.774
11	Kozhikode	12	1875.91	0	0	9	8	4	9	2188.765	42.11	29.25	37.25	3	937.347
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	2393.56	1	1162	8	7	6	8	2393.563	48.13	30.71	65.33	0	0
14	Kasargod	6	4011.42	0	0	6	5	4	6	4011.417	28.3	24.76	20	0	0
	<b>Total</b>	<b>100</b>	<b>3029.13</b>	<b>29</b>	<b>3156.72</b>	<b>91</b>	<b>86</b>	<b>70</b>	<b>92</b>	<b>3245.42</b>	<b>52.5</b>	<b>32.46</b>	<b>48.45</b>	<b>8</b>	<b>1154.65</b>

Contd.....

Table 8(viii)

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

Sl.No.	District	YEAR : 2008-09						SEASON : AUTUMN 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	0	0	7	4253.441	1	4546.056	7	4253.44	0	0	8	4290.02						
2	Kollam	0	0	6	3724	0	0	6	3724	0	0	6	3724						
3	Pathanamthitta	0	0	4	4431.104	0	0	4	4431.1	0	0	4	4431.1						
4	Alappuzha	1	1126.016	2	1387.148	4	2788.649	1	1648.28	0	0	6	2321.48						
5	Kottayam	0	0	3	3136.124	5	4208.95	3	3136.12	0	0	8	3806.64						
6	Idukki	0	0	3	3915.285	1	4031.84	3	3915.29	0	0	4	3944.42						
7	Ernakulam	0	0	6	2857.536	2	3285.084	6	2857.54	0	0	8	2964.42						
8	Thrissur	1	1354.5	5	2785.574	5	1785.773	4	3143.34	0	0	10	2285.67						
9	Palakkad	1	589.064	2	1005.536	8	3499.209	1	1422.01	0	0	10	3000.47						
10	Malappuram	1	2545.46	7	2733.914	3	2307.636	6	2765.32	1	810.088	9	2805.58						
11	Kozhikode	1	1917.3	10	2161.619	2	447.37	9	2188.77	2	447.37	10	2161.62						
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0						
13	Kannur	0	0	7	2569.5	1	1162	7	2569.5	0	0	8	2393.56						
14	Kasargod	0	0	6	4011.417	0	0	6	4011.42	0	0	6	4011.42						
	<b>Total</b>	<b>5</b>	<b>1506.47</b>	<b>68</b>	<b>3083.29</b>	<b>32</b>	<b>2914.05</b>	<b>63</b>	<b>3208.44</b>	<b>3</b>	<b>568.28</b>	<b>97</b>	<b>3105.24</b>						

Table 9(f)

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

STATE : KERALA

YEAR : 2008-09

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				
Percentage to col.3			100				

Table 9(ii)

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

STATE : KERALA      SEASON : Winter      YEAR : 2008-09      CENTRAL SAMPLE      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	Emakulam	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				
	<b>Total</b>	<b>100</b>	<b>100</b>				
	Percentage to col.3		<b>100</b>				

\*The weight of the yield has not recorded for one experiment in the schedule

Table 9(F)

**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:2008-09						SEASON:WINTER PADDY						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		
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	3388.12	0	0	8	3388.12	0	0	0	0	0	0	8	3388.12	0	0	8	3388.12						
2	Kollam	6	2	2963.2	4	1983.49	6	2310.06	0	0	0	0	0	0	2	2963.2	4	1983.49	6	2310.06						
3	Path	4	4	3118.11	0	0	4	3118.11	0	0	0	0	0	0	4	3118.11	0	0	4	3118.11						
4	Alpy	6	5	1956.61	0	0	5	1956.61	1	1460	0	0	1	1460.16	6	1873.87	0	0	6	1873.87						
5	Ktm	8	7	3613.29	0	0	7	3613.29	1	2944	0	0	1	2943.78	8	3529.6	0	0	8	3529.6						
6	Idukki	4	3	3258.04	0	0	3	3258.04	1	3851	0	0	1	3851.42	4	3406.38	0	0	4	3406.38						
7	Ekrm	8	7	3093.55	1	1770.38	8	2928.16	0	0	0	0	0	0	7	3093.55	1	1770.38	8	2928.16						
8	Thrs	10	10	2905.74	0	0	10	2905.74	0	0	0	0	0	0	10	2905.74	0	0	10	2905.74						
9	Pakkd	10	5	4134.4	0	0	5	4134.4	2	2227	3	2867.01	5	2610.96	7	3589.39	3	2867.01	10	3372.68						
10	Mlp	10	2	2957.17	5	4408.4	7	3993.76	0	0	3	2092.63	3	2092.63	2	2957.17	8	3539.99	10	3423.42						
11	Kozhi	8	0	0	1	1366.76	1	1366.76	0	0	7	1123.36	7	1123.36	0	0	8	1153.78	8	1153.78						
12	Wyvd	4	3	4791.16	0	0	3	4791.16	0	0	1	2478.57	1	2478.57	3	4791.16	1	2478.57	4	4213.02						
13	Kannur	8	2	3844.44	0	0	2	3844.44	3	1992	3	2032.03	6	2012.12	5	2733.1	3	2032.03	8	2470.2						
14	Ksrgrd	6	2	2915.05	0	0	2	2915.05	4	4948	0	0	4	4947.62	6	4270.09	0	0	6	4270.09						
	<b>State</b>	<b>100</b>	<b>60</b>	<b>3258.59</b>	<b>11</b>	<b>3010.28</b>	<b>71</b>	<b>3220.12</b>	<b>12</b>	<b>3206</b>	<b>17</b>	<b>1842.18</b>	<b>29</b>	<b>2406.67</b>	<b>72</b>	<b>3249.89</b>	<b>28</b>	<b>2301.08</b>	<b>100</b>	<b>2984.22</b>						

Table 9(iv)

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

Sl.No	District	STATE:KERALA				YEAR:2008-2009				SEASON:WINTER PADDY				CENTRAL SAMPLE						
		HY varieties		Other Varieties		HY varieties		Other Varieties		Irrigated		Un irrigated		Irrigated		Un irrigated				
		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	8	8	3850.36	0	0	8	3850.36	0	0	0	0	0	0	8	3850.36	0	0	8	3850.36
2	Kollam	6	2	3203.96	0	0	2	3203.96	4	3435	0	0	4	3435.46	6	3358.29	0	0	6	3358.29
3	Path	4	0	0	2	4222.68	2	4222.68	0	0	2	3189.86	2	3189.86	0	0	4	3706.27	4	3706.27
4	Alpy	6	0	0	2	4773.6	2	4773.6	0	0	4	2720.02	4	2720.02	0	0	6	3404.54	6	3404.54
5	Kottm	8	8	4067.56	0	0	8	4067.56	0	0	0	0	0	0	8	4067.56	0	0	8	4067.56
6	Idukki	4	4	3754.39	0	0	4	3754.39	0	0	0	0	0	0	4	3754.39	0	0	4	3754.39
7	Ekim	8	8	3074.61	0	0	8	3074.61	0	0	0	0	0	0	8	3074.61	0	0	8	3074.61
8	Thrs	10	5	2581.05	0	0	5	2581.05	3	3210	2	2198.15	5	2804.97	8	2816.73	2	2198.15	10	2693.01
9	Pakkd	10	10	3450.82	0	0	10	3450.82	0	0	0	0	0	0	10	3450.82	0	0	10	3450.82
10	Mlp	10	4	3488.76	0	0	4	3488.76	6	1942	0	0	6	1942.09	10	2564.76	0	0	10	2564.76
11	Kozhi	8	0	0	2	4019.24	2	4019.24	0	0	6	1246.42	6	1246.42	0	0	8	1939.63	8	1939.63
12	Wyd	4	3	5380.77	0	0	3	5380.77	0	0	1	2482.29	1	2482.29	3	5380.77	1	2482.29	4	4656.15
13	Kannur	8	6	2915.31	1	4275.22	7	3109.58	1	1053	0	0	1	1053.42	7	2649.32	1	4275.22	8	2852.56
14	Ksrgd	6	6	2966.29	0	0	6	2966.29	0	0	0	0	0	0	6	2966.29	0	0	6	2966.29
	<b>State</b>	<b>100</b>	<b>64</b>	<b>3471.97</b>	<b>7</b>	<b>4329.47</b>	<b>71</b>	<b>3556.51</b>	<b>14</b>	<b>2577</b>	<b>15</b>	<b>2107.79</b>	<b>29</b>	<b>2334.25</b>	<b>78</b>	<b>3311.31</b>	<b>22</b>	<b>2814.69</b>	<b>100</b>	<b>3202.06</b>

Table 9(v)

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

Sl.No.	District	STATE : KERALA		YEAR : 2008-09		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	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	3388.12	0	0	8	7	2	8	3388.12	72.81	62.43	34.4	0	0
2	Kollam	6	2310.061	2	3231.74	4	4	3	4	2884.49	63.81	52.84	39.91	2	1161.204
3	Pathanamthitta	4	3118.111	1	3524.38	4	3	4	4	3118.111	67.65	28.33	41.25	0	0
4	Alappuzha	6	1873.872	3	1070.78	5	6	6	6	1873.872	37.88	16.23	20.5	0	0
5	Kottayam	8	3529.601	6	3298.96	8	8	8	8	3529.601	67.58	45.69	54.06	0	0
6	Idukki	4	3406.383	2	3556.6	2	2	1	2	3556.596	36.26	36.26	38.5	2	3256.17
7	Ernakulam	8	2928.156	4	2718.41	8	8	6	8	2928.156	44.25	28.84	31.95	0	0
8	Thrissur	10	2905.735	5	2683.31	8	8	7	8	3037.382	69.54	29.99	73.43	2	2379.15
9	Palakkad	10	3372.679	4	3564.53	10	10	9	10	3372.679	53.5	19.06	38.56	0	0
10	Malappuram	10	3423.423	2	3408.81	7	7	3	7	3923.085	38.64	16.64	15.83	3	2257.545
11	Kozhikode	8	1153.783	0	0	4	3	2	4	1559.714	29.13	18.27	26.55	4	747.852
12	Wayanad	4	4213.015	2	3937.1	3	3	1	3	4169.352	31.33	18	1	1	4344.004
13	Kannur	8	2470.198	2	3644.44	5	5	5	5	2423.952	46.11	21.4	23.06	3	3753.94
14	Kasargod	6	4270.095	1	2685.4	6	6	2	6	4270.095	50.26	37.01	198.3	0	0
	<b>Total</b>	<b>100</b>	<b>2984.51</b>	<b>34</b>	<b>3050.63</b>	<b>82</b>	<b>80</b>	<b>59</b>	<b>83</b>	<b>3169.98</b>	<b>50.63</b>	<b>30.79</b>	<b>45.52</b>	<b>17</b>	<b>2291.94</b>

Table 9(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	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	3388.12	0	0	8	3388.12	0	0	8	3388.12
2	Kollam	2	1161.204	4	1849.222	2	3231.74	2	2537.24	0	0	6	2310.06
3	Pathanamthitta	0	0	3	2982.687	1	3524.384	3	2982.69	0	0	4	3118.11
4	Alappuzha	0	0	3	2676.96	3	1070.784	3	1148.16	0	0	6	1873.87
5	Kottayam	0	0	2	4221.525	6	3298.96	2	4221.53	0	0	8	3529.6
6	Idukki	2	3256.17	2	3256.17	2	3556.596	0	0	0	0	4	3406.38
7	Ernakulam	0	0	4	3137.904	4	2718.408	4	3137.9	0	0	8	2928.16
8	Thrissur	2	2379.15	5	3128.162	5	2683.308	3	3627.5	0	0	10	2905.74
9	Palakkad	0	0	6	3244.78	4	3564.528	6	3244.78	0	0	10	3372.68
10	Malappuram	1	3335.72	6	3996.617	4	2563.632	5	4128.8	2	1718.458	8	3849.67
11	Kozhikode	3	691.364	7	1187.564	1	917.316	4	1559.71	1	917.316	7	1187.56
12	Wayanad	1	4344.004	2	4488.928	2	3937.102	1	4633.85	0	0	4	4213.02
13	Kannur	3	3753.94	6	2615.45	2	3844.44	3	1476.96	0	0	8	2922.7
14	Kasargod	0	0	5	4587.034	1	2685.4	5	4587.03	0	0	6	4270.1
	<b>Total</b>	<b>14</b>	<b>2472.05</b>	<b>63</b>	<b>3079.3</b>	<b>37</b>	<b>2920.97</b>	<b>49</b>	<b>3159.2</b>	<b>3</b>	<b>1451.41</b>	<b>97</b>	<b>3069.25</b>



Table 9(vii)

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

STATE : KERALA      YEAR : 2008-09      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	3850.36	1	3153.24	8	7	8	8	4329.712	90.63	59.29	88.75	0	0		
2	Kollam	6	3358.29	1	3037.28	6	6	6	6	3358.293	52.5	31.33	34.33	0	0		
3	Pathanamthitta	4	3706.27	0	0	4	4	4	4	3706.27	70	20	45	0	0		
4	Alappuzha	6	3404.54	3	4125.89	5	5	5	5	3606.97	46.2	24.6	39	1	2392.416		
5	Kottayam	8	4067.56	7	4389.61	8	8	6	8	4067.564	50.98	33.25	45.8	0	0		
6	Idukki	4	3754.39	3	3824.06	4	4	1	4	3754.392	28.73	20.45	12.6	0	0		
7	Ernakulam	8	3074.61	3	3388	8	5	6	8	3074.61	41.75	33.6	32.67	0	0		
8	Thrissur	10	2693.01	3	2714.41	10	9	10	10	2693.011	56.9	25.44	46.3	0	0		
9	Palakkad	10	3450.82	6	3530.47	8	7	7	8	3455.502	60	30.86	47.71	2	3432.088		
10	Malappuram	10	2564.76	1	4362.67	7	4	5	7	2871.503	41.71	34.25	87.4	3	1849.013		
11	Kozhikode	8	1939.63	1	921	6	6	2	6	2285.308	36.33	23.83	30	2	902.58		
12	Wayanad	4	4656.15	0	0	4	4	4	4	4656.148	28.25	35.25	0	0	0		
13	Kannur	8	2852.56	0	0	7	7	5	7	3109.063	63.57	36.43	45.8	1	1053.42		
14	Kasargod	6	2966.29	0	0	6	4	3	6	2966.287	42.17	32	39.67	0	0		
	<b>Total</b>	<b>100</b>	<b>3202.06</b>	<b>29</b>	<b>3639.36</b>	<b>91</b>	<b>80</b>	<b>72</b>	<b>91</b>	<b>3366.75</b>	<b>50.69</b>	<b>31.47</b>	<b>42.5</b>	<b>9</b>	<b>1962.47</b>		

Table 9(viii)

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

Sl.No.	District	YEAR : 2008-09		SEASON : WINTER PADDY		CENTRAL SAMPLE							
		Experiments Treated with Manure Only		Experiments Treated With Manure		Experiments 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	7	3879.249	1	3153.24	7	3879.25	0	0	8	3788.5
2	Kollam	0	0	5	3422.496	1	3037.28	5	3422.5	0	0	6	3358.29
3	Pathanamthitta	0	0	4	3706.27	0	0	4	3706.27	0	0	4	3706.27
4	Alappuzha	0	0	2	2828.592	4	3692.52	2	2828.59	1	0	5	3606.97
5	Kottayam	0	0	1	1813.224	7	4389.612	1	1813.22	0	0	8	4067.56
6	Idukki	0	0	1	3545.4	3	3824.056	1	3545.4	0	0	4	3754.39
7	Emakulam	0	0	5	2886.576	3	3388	5	2886.58	0	0	8	3074.61
8	Thrissur	0	0	7	2683.841	3	2714.408	7	2683.84	0	0	10	2693.01
9	Palakkad	0	0	2	3230.59	8	3505.876	2	3230.59	2	3432.088	8	3455.5
10	Malappuram	1	296.092	7	2290.563	3	3204.54	6	2622.98	2	2625.474	8	2549.58
11	Kozhikode	2	902.58	7	2085.144	1	921	5	2558.17	0	0	8	1939.63
12	Wayanad	0	0	4	4656.148	0	0	4	4656.15	0	0	4	4656.15
13	Kannur	1	1053.42	8	2852.108	0	0	7	3109.06	0	0	8	2852.11
14	Kasargod	0	0	6	2966.287	0	0	6	2966.29	0	0	6	2966.29
	<b>Total</b>	<b>4</b>	<b>788.67</b>	<b>66</b>	<b>3025.12</b>	<b>34</b>	<b>3530.85</b>	<b>62</b>	<b>3169.41</b>	<b>5</b>	<b>2423.02</b>	<b>95</b>	<b>3212.63</b>

Table 10(V)

**CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED****STATE : KERALA****YEAR : 2008-09****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	8				
14	Kasargod	6	6				
Total for all crops		100	100				
Percentage to col.3			100				

Table 10(ii)

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

STATE : KERALA

YEAR : 2008-09

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	3	1			
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				
	<b>Total</b>	<b>100</b>	<b>99</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
	% to col.3		99	1	0	0	0

Table 10(ii)

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

STATE:KERALA YEAR:2008-09 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							
			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	3453.54	0	0	8	3453.54	0	0	0	0	0	0	8	3453.54	0	0	8	3453.54
2	Kollam	6	5	1497.42	0	0	5	1497.42	1	2895.4	0	0	1	2895.4	6	1730.41	0	0	6	1730.41
3	Path	4	4	3865.36	0	0	4	3865.36	0	0	0	0	0	0	4	3865.36	0	0	4	3865.36
4	Alpy	6	6	3874.18	0	0	6	3874.18	0	0	0	0	0	0	6	3874.18	0	0	6	3874.18
5	Ktm	8	8	4128.12	0	0	8	4128.12	0	0	0	0	0	0	8	4128.12	0	0	8	4128.12
6	Idukki	4	4	3724	0	0	4	3724	0	0	0	0	0	0	4	3724	0	0	4	3724
7	EkM	8	6	2956.89	0	0	6	2956.89	2	1655.3	0	0	2	1655.3	8	2631.49	0	0	8	2631.49
8	Thrs	10	10	3604.79	0	0	10	3604.79	0	0	0	0	0	0	10	3604.79	0	0	10	3604.79
9	Pakkd	10	10	3631.97	0	0	10	3631.97	0	0	0	0	0	0	10	3631.97	0	0	10	3631.97
10	Mlp	10	7	2718.68	0	0	7	2718.68	3	2431.5	0	0	3	2431.5	10	2632.54	0	0	10	2632.54
11	Kozhi	8	7	1605.29	0	0	7	1605.29	1	734.47	0	0	1	734.47	8	1496.44	0	0	8	1496.44
12	Wyd	4	4	3400.94	0	0	4	3400.94	0	0	0	0	0	0	4	3400.94	0	0	4	3400.94
13	Kannur	8	3	2480.8	0	0	3	2480.8	5	1584.2	0	0	5	1584.2	8	1920.41	0	0	8	1920.41
14	Ksrgd	6	3	3043.03	0	0	3	3043.03	3	2313.8	0	0	3	2313.8	6	2678.41	0	0	6	2678.41
	State	100	85	3203.47	0	0	85	3203.47	15	1939.8	0	0	15	1939.8	100	3013.92	0	0	100	3013.92

Table 10(w)

**Table Y8-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:2008-09						SEASON:SUMMER PADDY						CENTRAL SAMPLE								
			HY varieties			Other Varieties			Both Hy & Others			Irrigated			Un irrigated			Irrigated			Un irrigated			Irrigated			Un irrigated		
			No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	Total	No. of Experiments	Yield Rate Kg/Ha	Total
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	4288.42	0	0	4288.42	0	0	0	0	0	0	0	8	4288.42	0	0	8	4288.42	0	0	8	4288.42	0	0	8	4288.42	
2	Kollam	6	3	1900.54	3	1305.39	6	1602.97	0	0	0	0	0	0	3	1900.54	3	1305.39	6	1602.97									
3	Path	3	2	5682.46	1	4520.56	3	5295.16	0	0	0	0	0	0	2	5682.46	1	4520.56	3	5295.16									
4	Alpy	6	4	547.52	2	4434.91	6	1843.32	0	0	0	0	0	0	4	547.52	2	4434.91	6	1843.32									
5	Kottim	8	8	4298.41	0	0	4298.41	0	0	0	0	0	0	0	8	4298.41	0	0	8	4298.41									
6	Idukki	4	4	4074.99	0	0	4074.99	0	0	0	0	0	0	0	4	4074.99	0	0	4	4074.99									
7	Ekm	8	8	2036.58	0	0	2036.58	0	0	0	0	0	0	0	8	2036.58	0	0	8	2036.58									
8	Thrs	10	10	4045.77	0	0	4045.77	0	0	0	0	0	0	0	10	4045.77	0	0	10	4045.77									
9	Pakkd	10	10	4840.2	0	0	4840.2	0	0	0	0	0	0	0	10	4840.2	0	0	10	4840.2									
10	Mlp	10	10	5104.74	0	0	5104.74	0	0	0	0	0	0	0	10	5104.74	0	0	10	5104.74									
11	Kozhi	3	7	1660.09	0	0	1660.09	1	1782	0	0	0	1	1781.64	8	1675.29	0	0	8	1675.29									
12	Wyd	4	4	4109.43	0	0	4109.43	0	0	0	0	0	0	0	4	4109.43	0	0	4	4109.43									
13	Kannur	3	5	1584.38	0	0	1584.38	1	443	2	1692.26	3	1275.84	6	1394.15	2	1692.26	8	1675.29										
14	Ksrgd	6	4	3069.04	0	0	3069.04	2	1159	0	0	2	1158.75	6	2432.28	0	0	6	2432.28										
	<b>State</b>	<b>99</b>	<b>87</b>	<b>3548.36</b>	<b>6</b>	<b>2684.42</b>	<b>93</b>	<b>3505.53</b>	<b>4</b>	<b>1136</b>	<b>2</b>	<b>1692.26</b>	<b>6</b>	<b>1321.11</b>	<b>91</b>	<b>3442.30</b>	<b>8</b>	<b>2586.38</b>	<b>99</b>	<b>3373.14</b>									

Table 10(v)

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

STATE : KERALA      YEAR : 2008-09      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	3453.55	2	3893.44	7	7	6	7	3380.328	66.46	36.84	49.94	1	3966.06
2	Kollam	6	1730.41	2	2468.48	6	6	4	6	1730.411	28.67	12.3	30.35	0	0
3	Pathanamthitta	4	3655.36	3	4113.96	4	4	4	4	3865.359	53.93	28.5	34	0	0
4	Alappuzha	6	3874.18	2	6060.48	6	6	6	6	3874.176	44.5	27.67	29.67	0	0
5	Kottayam	8	4128.12	8	4128.12	8	8	8	8	4128.118	77.3	33.8	70.18	0	0
6	Idukki	4	3724	1	4297.5	4	4	2	4	3724	47.7	28.15	28.91	0	0
7	Ernakulam	8	2631.49	0	0	7	7	6	7	2524.86	33.39	28.56	52.55	1	3377.92
8	Thrissur	10	3604.79	5	3641.27	10	10	10	10	3604.794	45.99	25.9	51.53	0	0
9	Palakkad	10	3631.97	7	4693.65	9	8	8	9	3831.148	87.78	36.38	39.5	1	1850.856
10	Malappuram	10	2632.54	3	2479.22	7	5	4	7	2369.707	38.04	33	26.83	3	1702.563
11	Kozhikode	8	2476.8	3	1314.41	8	8	5	8	2476.798	38.7	27.7	26.99	0	0
12	Wayanad	4	3400.94	2	2467.15	4	3	3	4	3400.943	19.93	26.68	0	0	0
13	Kannur	8	1920.41	0	0	7	7	1	7	1946.162	30.86	23	24.6	1	1740.104
14	Kasaragod	6	2678.41	0	0	6	6	4	6	2678.412	38.38	30.77	25.86	0	0
	<b>Total</b>	<b>100</b>	<b>3092.35</b>	<b>38</b>	<b>3733.85</b>	<b>93</b>	<b>89</b>	<b>71</b>	<b>93</b>	<b>3102.95</b>	<b>46.55</b>	<b>28.52</b>	<b>35.07</b>	<b>7</b>	<b>2291.81</b>

Table 10(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	No.	Yield Rate	No.	Yield Rate(KG/Ha)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	1	39 66.06	6	3927.579	2	3893.442	4	3489.39	0	0	8	3453.55
2	Kollam	0	0	2	2722.752	4	1234.24	2	2722.75	0	0	6	1730.41
3	Pathanamthitta	0	0	1	3119.56	3	4113.959	1	3119.56	0	0	4	3865.36
4	Alappuzha	0	0	4	2781.024	2	6060.48	4	2152.32	0	0	6	3874.18
5	Kottayam	0	0	0	0	8	4128.118	0	0	0	0	8	4128.12
6	Idukki	0	0	3	3532.835	1	4297.496	3	3532.84	0	0	4	3724
7	Ernakulam	0	0	7	2544.282	1	3377.92	0	0	1	3377.92	7	2524.86
8	Thrissur	0	0	5	3568.322	5	3641.266	5	3568.32	0	0	10	3604.79
9	Palakkad	0	0	2	812.384	8	4338.303	2	812.384	1	1850.856	9	3831.15
10	Malappuram	3	1702.583	7	2699.326	3	2479.221	3	3050.1	0	0	10	2633.29
11	Kozhikode	0	0	5	3174.592	3	1314.414	4	2519.29	0	0	8	2476.8
12	Wayanad	0	0	2	4334.736	2	2467.15	2	4334.74	0	0	4	3400.94
13	Kannur	1	174.0104	8	1920.405	0	0	7	1946.16	0	0	8	1920.41
14	Kasargod	0	0	6	2678.412	0	0	6	2678.41	0	0	6	2678.41
	<b>Total</b>	<b>5</b>	<b>2162.78</b>	<b>58</b>	<b>2862.08</b>	<b>42</b>	<b>3502.74</b>	<b>43</b>	<b>2762.5</b>	<b>2</b>	<b>2614.39</b>	<b>98</b>	<b>3102.3</b>



Table 10(vii)

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

STATE : KERALA      YEAR : 2008-09      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.	Yield Rate(KG/Ha)	No. of Experiments			Exclusive Total	Yield Rate(KG/Ha)	Rate of application			Yield Rate(KG/Ha)	
		No.	Yield Rate(KG/Ha)			N	P	K			N	P	K		No.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	4288.42	5	4144.07	8	8	8	8	4288.419	75	34.88	36.63	0	0
2	Kollam	6	1602.97	0	0	6	5	6	6	1602.965	54.5	18.8	42.33	0	0
3	Pathanamthitta	3	5295.16	1	5641.36	3	3	2	3	5295.157	90.33	64.33	78.5	0	0
4	Alappuzha	6	1843.32	5	2211.98	6	6	6	6	1843.317	61.33	25	40.67	0	0
5	Kottayam	8	4298.41	7	4628.71	8	8	8	8	4298.411	80.43	34.1	53.88	0	0
6	Idukki	4	4074.99	1	4040.54	3	3	3	3	4147.295	50.42	25.73	54.53	1	3858.064
7	Emekulam	8	2036.58	1	3840.2	7	7	5	7	2176.2	47.14	33.29	49.8	1	1059.24
8	Thrissur	10	4045.77	3	3860.83	10	10	9	10	4045.769	67.4	35.8	45.44	0	0
9	Pala k kad	10	4840.2	8	4720.55	9	9	9	9	4626.501	115	57.89	86.33	1	6763.48
10	Malappuram	10	5104.74	1	8103.89	10	10	10	10	5104.737	60.9	48.8	83	0	0
11	Kozhikode	8	1953.44	1	1999.8	7	5	5	7	1977.984	56.86	34.6	39.8	1	1781.64
12	Wayanad	4	4109.43	0	0	4	4	4	4	4109.434	33.25	54.25	0	0	0
13	Kannur	8	1737.67	0	0	7	3	7	7	1707.955	68.43	136.3	67.14	1	1945.656
14	Kasargod	6	2475.09	2	3689.46	6	6	5	6	2475.09	27.83	27.83	35.6	0	0
	<b>Total</b>	<b>99</b>	<b>3479.95</b>	<b>35</b>	<b>4129.51</b>	<b>94</b>	<b>87</b>	<b>87</b>	<b>94</b>	<b>3437.94</b>	<b>63.49</b>	<b>45.12</b>	<b>50.98</b>	<b>5</b>	<b>3081.62</b>

Table 10(viii)

## 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	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	4529.005	5	4144.067	3	4529.01	0	0	8	4288.42
2	Kollam	0	0	6	1602.965	0	0	6	1602.97	0	0	6	1602.97
3	Pathanamthitta	0	0	2	5122.056	1	5641.36	2	5122.06	0	0	3	5295.16
4	Alappuzha	0	0	1	0	5	2211.981	1	0	0	0	6	1843.32
5	Kottayam	0	0	1	1986.296	7	4628.713	1	1986.3	0	0	8	4298.41
6	Idukki	1	3858.064	3	4086.469	1	4040.54	2	4200.67	0	0	4	4074.99
7	Ernakulam	1	1059.24	7	1778.92	1	3840.2	6	1898.87	0	0	8	2036.58
8	Thrissur	0	0	7	4125.027	3	3860.832	7	4125.03	0	0	10	4045.77
9	Palakkad	0	0	1	3874.152	9	4947.538	1	3874.15	1	6763.48	9	4626.5
10	Malappuram	0	0	9	4771.497	1	8103.892	9	4771.5	0	0	10	5104.74
11	Kozhikode	1	1781.64	7	1946.818	1	1999.8	6	1974.35	0	0	8	1953.44
12	Wayanad	0	0	4	4109.434	0	0	4	4109.43	0	0	4	4109.43
13	Kannur	1	1945.656	8	1737.668	0	0	7	1707.96	0	0	8	1737.67
14	Kasargod	0	0	4	1867.905	2	3689.46	4	1867.91	0	0	6	2475.09
	<b>Total</b>	<b>4</b>	<b>2161.15</b>	<b>63</b>	<b>2972.67</b>	<b>36</b>	<b>4202.67</b>	<b>59</b>	<b>3027.69</b>	<b>1</b>	<b>6763.48</b>	<b>98</b>	<b>3385.83</b>

STATE : KERALA

YEAR : 2008 - 09

SEASON : SUMMER PADDY

CENTRAL SAMPLE

Table 11(i)

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

STATE : KERALA      YEAR : 2008-09      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	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			
Percentage to col.3			100	0			

Table 11(ii)

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

STATE : KERALA

YEAR : 2008-09

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	2	2			
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				
	<b>Total</b>	<b>60</b>	<b>58</b>	<b>2</b>			
	% to col.3		96.67	3.333			

Table 11(III)

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

STATE: KERALA      YEAR: 2008-09      SEASON: ANNUAL

CROP: BANANA

STATE SAMPLE

Sl.No	District	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	4	0	0	0	0	0	0	4	14500	0	0	4	14500	4	14500	0	0	4	14500
2	Kollam	4	0	0	0	0	0	0	1	11933.3	3	11933.3	4	11933.3	1	11933.3	3	11933.3	4	11933.33
3	Pthnta	4	0	0	0	0	0	0	2	21800	2	14500	4	18150	2	21800	2	14500	4	18150
4	Alpza	4	0	0	0	0	0	0	4	11941.7	0	0	4	11941.7	4	11941.7	0	0	4	11941.67
5	Kotym	4	0	0	0	0	0	0	0	0	4	21958.3	4	21958.3	0	0	4	21958.3	4	21958.33
6	Idukki	4	0	0	0	0	0	0	0	0	4	15083.3	4	15083.3	0	0	4	15083.3	4	15083.33
7	ErnkIm	4	0	0	0	0	0	0	4	16908.3	0	0	4	16908.3	4	16908.3	0	0	4	16908.33
8	Trissur	4	0	0	0	0	0	0	3	13844.4	1	13833.3	4	13841.7	3	13844.4	1	13833.3	4	13841.67
9	Palakkad	6	0	0	0	0	0	0	3	11544.4	3	12344.4	6	11944.4	3	11544.4	3	12344.4	6	11944.44
10	Mlpram	6	1	1466.67	0	0	1	1466.67	3	12955.6	2	13466.7	5	13160	4	10083.3	2	13466.7	6	11211.11
11	Kozkd	4	0	0	0	0	0	0	4	13200	0	0	4	13200	4	13200	0	0	4	13200
12	Wynad	4	0	0	0	0	0	0	4	11666.7	0	0	4	11666.7	4	11666.7	0	0	4	11666.67
13	Kannur	4	0	0	0	0	0	0	3	17608.9	1	13733.3	4	16640	3	17608.9	1	13733.3	4	16640
14	Ksrgod	4	0	0	0	0	0	0	0	0	4	21366.7	4	21366.7	0	0	4	21366.7	4	21366.67
	State	60	1	1466.67	0	0	1	1466.67	35	14178.9	24	16248.6	59	15020.8	36	13825.7	24	16248.6	60	14794.89

Table 11(iv)

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

STATE:KERALA      YEAR:2008-2009

SEASON:ANNUAL BANANA

CENTRAL SAMPLE

Sl.No	District	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	Tyvm	4	0	0	0	0	0	0	3	11888.9	1	10333.3	4	11500	3	11888.9	1	10333.3	4	11500
2	Kollam	4	0	0	0	0	0	0	4	15933.3	0	0	4	15933.3	4	15933.3	0	0	4	15933.33
3	Path	4	0	0	0	0	0	0	0	0	4	18641.7	4	18641.7	0	0	4	18641.7	4	18641.67
4	Alpy	4	0	0	0	0	0	0	4	10250	0	0	4	10250	4	10250	0	0	4	10250
5	Kottm	4	0	0	0	0	0	0	0	0	4	15266.7	4	15266.7	0	0	4	15266.7	4	15266.67
6	Idukki	2	0	0	0	0	0	0	0	0	2	20333.3	2	20333.3	0	0	2	20333.3	2	20333.33
7	Ekcm	4	0	0	0	0	0	0	1	16033.3	3	12877.8	4	13666.7	1	16033.3	3	12877.8	4	13666.67
8	Thrs	4	0	0	0	0	0	0	4	16375	0	0	4	16375	4	16375	0	0	4	16375
9	Pakkd	6	0	0	0	0	0	0	2	13350	4	18145	6	16546.7	2	13350	4	18145	6	16546.67
10	Mlp	6	0	0	0	0	0	0	6	15044.4	0	0	6	15044.4	6	15044.4	0	0	6	15044.44
11	Kozhi	4	0	0	0	0	0	0	2	17433.3	2	17766.7	4	17600	2	17433.3	2	17766.7	4	17600
12	Wyd	4	0	0	0	0	0	0	3	13333.3	1	9866.67	4	12466.7	3	13333.3	1	9866.67	4	12466.67
13	Kannur	4	0	0	0	0	0	0	4	17400	0	0	4	17400	4	17400	0	0	4	17400
14	Ksrgd	4	0	0	0	0	0	0	4	14633.3	0	0	4	14633.3	4	14633.3	0	0	4	14633.33
	<b>State</b>	<b>58</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37</b>	<b>14646</b>	<b>21</b>	<b>16345.1</b>	<b>58</b>	<b>15261.2</b>	<b>37</b>	<b>14646</b>	<b>21</b>	<b>16345.1</b>	<b>58</b>	<b>15261.15</b>

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

STATE : KERALA      YEAR : 2008 - 09      SEASON : ANNUAL, BANANA      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	No.	Yield Rate	No. of Experiments					Yield Rate	Rate of application					No.	Yield Rate
						N	P	K	Exclusive Total	N		P	K	N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
1	Thiruvananthapuram	4	14500	0	0	0	0	0	0	0	0	0	0	4	14500			
2	Kollam	4	11933.333	0	0	3	3	2	3	11022.222	205.27	70.07	148.4	1	14666.667			
3	Pathanamthitta	4	18150	0	0	4	4	4	4	18150	323	185	315	0	0			
4	Alappuzha	4	11941.667	0	0	2	2	2	2	12516.667	0	0	0	2	11366.667			
5	Kottayam	4	21958.333	1	20833.333	4	3	3	4	21958.333	208.73	318	243	0	0			
6	Idukki	4	15083.333	1	23666.667	1	1	0	1	23666.667	118.56	146.22	0	3	12222.222			
7	Emakulam	4	16908.333	1	18400	4	4	4	4	16908.333	77.73	65.48	53.2	0	0			
8	Thrissur	4	13841.667	0	0	4	2	3	4	13841.667	78.73	29.25	124.35	0	0			
9	Palakkad	6	11944.444	0	0	3	3	1	3	13644.444	137.33	45.33	16	3	10244.444			
10	Malappuram	6	11211.111	0	0	4	4	1	4	11316.667	106.13	96.63	260	2	11000			
11	Kozhikode	4	13200	0	0	4	3	2	4	13200	411	118.67	221	0	0			
12	Wayanad	4	11666.667	1	10666.667	2	1	2	2	11166.667	30	42.5	2	2	12166.667			
13	kannur	4	16640	1	13733.333	3	3	2	3	17875.556	170	93.33	231	1	12933.333			
14	Kasaragod	4	21366.667	0	0	4	4	2	4	21366.667	167.1	159.1	173.3	0	0			
	<b>Total</b>	<b>60</b>	<b>14794.89</b>	<b>5</b>	<b>17460</b>	<b>42</b>	<b>37</b>	<b>28</b>	<b>42</b>	<b>15848.25</b>	<b>156.43</b>	<b>105.35</b>	<b>148.94</b>	<b>18</b>	<b>12337.04</b>			

Table 11(vf)

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

Sl.No.	District	YEAR:2008-09		SEASON : ANNUAL		CROP :BANANA		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)		
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	4	14500	4	14500	0	0	0	0	0	0	4	14500
2	Kollam	0	0	3	11022.22	1	14666.67	3	11022.22	1	14666.67	3	11022.222
3	Pthananthitta	0	0	4	18150	0	0	4	18150	0	0	4	18150
4	Alappuzha	2	11366.67	4	11941.67	0	0	2	0	0	0	4	11941.667
5	Kottayam	0	0	3	22333.33	1	20833.33	3	22333.33	0	0	4	21958.333
6	Idukki	2	10833.33	2	10833.33	2	19333.33	0	0	1	15000	3	15111.111
7	Emakulam	0	0	3	16411.11	1	18400	3	16411.11	0	0	4	16908.333
8	Thrissur	0	0	4	13841.67	0	0	4	13841.67	0	0	4	13841.667
9	Palakkad	3	10244.44	6	11944.44	0	0	3	13644.44	0	0	6	11944.444
10	Malappuram	2	11000	6	11211.11	0	0	4	11316.67	0	0	6	11211.111
11	Kozhikode	0	0	4	13200	0	0	4	13200	0	0	4	13200
12	Wayanad	2	12166.67	3	12000	1	10666.67	1	11666.67	0	0	4	11666.667
13	Kannur	1	12933.33	3	17608.89	1	13733.33	2	19946.67	0	0	4	16640
14	Kasargod	0	0	4	21366.67	0	0	4	21366.67	0	0	4	21366.667
	Total	16	12025	53	14542.01	7	16709.52	37	14953.87	2	14833.33	58	14793.56



Table 11(vii)

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

Sl.No.	District	STATE : KERALA		YEAR : 2008 - 09				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		Yield Rate(KG/Ha)	
		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	4	11500	1	12666.7	3	3	3	3	5380.952	78.67	78.33	113	1	8333.333
2	Kollam	4	15933.3	0	0	4	4	2	4	15933.33	186.5	118.8	137.5	0	0
3	Pathanamthitta	4	18641.7	0	0	4	3	2	4	18641.67	41.53	25.03	67	0	0
4	Alappuzha	4	10250	0	0	1	0	0	1	9733.333	0.14	0	0	3	10422.22
5	Kottayam	4	15266.7	1	19333.3	3	3	0	3	16355.56	58.07	58.07	0	1	12000
6	Idukki	2	20333.3	2	20333.3	2	2	0	2	20333.33	52.2	52.2	0	0	0
7	Ernakulam	4	13666.7	0	0	4	4	3	4	13666.67	217.3	126	203	0	0
8	Thirissur	4	16375	0	0	3	3	3	3	17144.44	190.7	63.33	87.67	1	14066.67
9	Palakkad	6	16546.7	0	0	4	3	3	4	11403.33	437.4	305	491.5	2	26833.33
10	Malappuram	6	15044.4	0	0	5	3	5	5	15960	114.8	95	171.4	1	10466.67
11	Kozhikode	4	17600	0	0	4	4	1	4	17600	149.5	149.5	362	0	0
12	Wayanad	4	12466.7	0	0	4	4	4	4	12466.67	232.5	371.3	0	0	0
13	Kannur	4	17400	0	0	4	3	2	4	17400	439.5	387.7	540	0	0
14	Kasargod	4	14633.3	0	0	4	3	1	4	14633.33	11.75	8	8	0	0
	<b>Total</b>	<b>58</b>	<b>15261.2</b>	<b>4</b>	<b>18166.7</b>	<b>49</b>	<b>42</b>	<b>29</b>	<b>49</b>	<b>14975.98</b>	<b>157.9</b>	<b>141.4</b>	<b>198.3</b>	<b>9</b>	<b>14422.22</b>

Table 11(viii)

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

STATE : KERALA      YEAR : 2008 - 09      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	8333.333	3	11111.111	1	12666.67	2	12500	0	0	4	11500
2	Kollam	0	0	4	15933.333	0	0	4	15933.3	0	0	4	15933.3
3	Pathanamthitta	0	0	4	18641.667	0	0	4	18641.7	0	0	4	18641.7
4	Alappuzha	3	10422.222	4	10250	0	0	1	9733.33	0	0	4	10250
5	Kottayam	1	12000	3	13911.111	1	19333.33	2	14866.7	0	0	4	15266.7
6	Idukki	0	0	0	0	2	20333.33	0	0	0	0	2	20333.3
7	Ernakulam	0	0	4	13666.667	0	0	4	13666.7	0	0	4	13666.7
8	Thrissur	1	14066.667	4	16375	0	0	3	17144.4	0	0	4	16375
9	Palakkad	2	26833.333	6	16546.667	0	0	4	11403.3	0	0	6	16546.7
10	Malappuram	1	10466.667	6	15044.444	0	0	5	15960	0	0	6	15044.4
11	Kozhikode	0	0	4	17600	0	0	4	17600	0	0	4	17600
12	Wayanad	0	0	4	12466.667	0	0	4	12466.7	0	0	4	12466.7
13	Kannur	0	0	4	17400	0	0	4	17400	0	0	4	17400
14	Kasaragod	0	0	4	14633.333	0	0	4	14633.3	0	0	4	14633.3
	<b>Total</b>	<b>9</b>	<b>14422.22</b>	<b>54</b>	<b>15045.93</b>	<b>4</b>	<b>18166.67</b>	<b>45</b>	<b>15170.7</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>15261.2</b>

Table 12(i)

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

STATE : KERALA

YEAR : 2008-09

STATE SAMPLE

SEASON : Annual

CROP : Tapioca

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	6	6				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
<b>Total</b>		<b>42</b>	<b>42</b>				
% to col.3			100				

Table 12(ii)

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

STATE : KERALA      YEAR : 2008-09      CENTRAL SAMPLE

SEASON : Annual      CROP : Tapioca

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				
<b>Total</b>		<b>40</b>	<b>40</b>				
% to col.3			100				

Table 12(II)

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

Sl.No	District	STATE:KERALA				YEAR:2008-09				SEASON:ANNUAL CROP:TAPIOCA				STATE 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			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Typrn	4	0	0	0	0	0	0	3	26333.3	1	11250	4	22562.5	3	26333.3	1	11250	4	22562.5
2	Kollam	4	0	0	0	0	0	0	1	45000	3	27916.7	4	32187.5	1	45000	3	27916.7	4	32187.5
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	Kottn	4	0	0	0	0	0	0	0	0	4	28187.5	4	28187.5	0	0	4	28187.5	4	28187.5
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	0	0	0	0	3	27625	1	76250	4	39781.3	3	27625	1	76250	4	39781.25
8	Thrs	4	1	46750	1	32500	2	40625	0	0	2	43750	2	43750	1	48750	3	40000	4	42187.5
9	Pakkd	4	0	0	0	0	0	0	0	0	4	8125	4	8125	0	0	4	8125	4	8125
10	Mlp	4	0	0	1	9250	1	9250	1	8750	2	7937.5	3	8208.33	1	8750	3	8375	4	8468.75
11	Kozhi	6	0	0	0	0	0	0	1	10000	5	20000	6	18333.3	1	10000	5	20000	6	18333.33
12	Vyvd	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	2	40000	2	17875	4	28937.5	2	40000	2	17875	4	28937.5
14	Ksrgd	4	0	0	0	0	0	0	0	0	4	19000	4	19000	0	0	4	19000	4	19000
	State	42	1	49750	2	20875	3	30166.67	11	27784.1	28	22558	39	24032.1	12	29531.3	30	22445.8	42	24470.24

Table 12(iv)

**Table Y8-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:2008-2009						SEASON:ANNUAL TAPICCA						CENTRAL SAMPLE					
			Irrigated		Un irrigated		Total		Irrigated		Un irrigated		total		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	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	Typrn	4	2	44375	0	0	2	44375	0	0	2	32500	2	32500	2	44375	2	32500	4	38437.5						
2	Kollam	4	0	0	0	0	0	0	2	39500	2	18750	4	29125	2	39500	2	18750	4	29125						
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	53187.5	4	53187.5	0	0	4	53187.5	4	53187.5						
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	20000	1	20000	1	87500	2	32500	3	50833.3	1	87500	3	28333.3	4	43125						
8	Thrs	4	0	0	0	0	0	0	0	0	4	10125	4	10125	0	0	4	10125	4	10125						
9	Pakkd	4	0	0	0	0	0	0	0	0	4	27937.5	4	27937.5	0	0	4	27937.5	4	27937.5						
10	Mlp	4	2	43750	1	41250	3	42916.67	1	33750	0	0	1	33750	3	40416.7	1	41250	4	40625						
11	Kozhi	4	0	0	0	0	0	0	0	0	4	40000	4	40000	0	0	4	40000	4	40000						
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	29500	4	29500	0	0	4	29500	4	29500						
14	Ksrgd	4	0	0	0	0	0	0	1	14500	3	23708.3	4	21406.3	1	14500	3	23708.3	4	21406.25						
	<b>State</b>	<b>40</b>	<b>4</b>	<b>44062.5</b>	<b>2</b>	<b>30625</b>	<b>6</b>	<b>39583.33</b>	<b>5</b>	<b>42950</b>	<b>29</b>	<b>30400.9</b>	<b>34</b>	<b>32246.3</b>	<b>9</b>	<b>43444.4</b>	<b>31</b>	<b>30415.3</b>	<b>40</b>	<b>33346.88</b>						

Table 12(v)

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

STATE : KERALA      YEAR : 2008-09      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			
		Rate (KG/Ha)		Yield Rate(KG/Ha)		No. of Experiments			Rate of application			Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	
		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	22562.5	0	0	2	2	0	2	7000	20	20	0	2	20625
2	Kollam	4	32187.5	0	0	1	1	0	1	36250	100	100	0	3	30833.33
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	28187.5	1	21250	2	2	2	2	15000	80	34	128	2	41375
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	39781.3	1	34500	2	2	2	2	30375	47.64	47.6	61.4	2	49187.5
8	Thrissur	4	42187.5	1	35000	2	2	2	2	43750	34	34	33	2	40625
9	Palakkad	4	8125	0	0	0	0	0	0	0	0	0	0	4	8125
10	Malappuram	4	8468.75	0	0	0	0	0	0	0	0	0	0	4	8468.75
11	Kozhikode	6	18333.3	0	0	0	0	0	0	0	0	0	0	6	18333.33
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	28937.5	0	0	1	1	0	1	46250	40	40	0	3	23166.67
14	Kasargod	4	19000	0	0	2	0	2	2	20500	173.5	0	175	2	17500
	<b>State</b>	<b>42</b>	<b>24470.24</b>	<b>3</b>	<b>30250</b>	<b>12</b>	<b>10</b>	<b>8</b>	<b>12</b>	<b>26312.5</b>	<b>70.73</b>	<b>45.93</b>	<b>99.35</b>	<b>30</b>	<b>22566.67</b>

Table 12(vi)

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

STATE : KERALA YEAR : 2008 - 09 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.	Yield 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	0	0	2	24500	2	20625	2	24500	2	0	2	24500
2	Kollam	2	40625	3	39166.667	1	11250	1	36250	1	11250	3	39166.7
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	41375	3	30500	1	21250	1	8750	0	0	4	28187.5
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Emakulam	2	49187.5	3	41541.667	1	34500	1	26250	0	0	4	39781.3
8	Thrissur	1	32500	2	42500	2	41875	1	52500	1	48750	3	40000
9	Palakkad	2	9250	2	9250	2	7000	0	0	2	7000	2	9250
10	Malappuram	2	7875	2	7875	2	9062.5	0	0	2	9062.5	2	7875
11	Kozhikode	6	18333.333	6	18333.333	0	0	0	0	0	0	6	18333.3
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	23166.667	4	28937.5	0	0	1	46250	0	0	4	28937.5
14	Kasargod	0	0	2	20500	2	17500	2	20500	2	0	2	20500
	State	20	25431.25	29	26504.31	13	19932.69	9	28888.9	10	9212.5	32	26855.5



Table 12(vii)

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

STATE : KERALA      YEAR : 2008 - 09      SEASON : ANNUAL      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				Yield Rate	No.		
						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	4	38437.5	1	60000	2	2	2	2	13035.714	28.5	28.5	30.5	2	31250		
2	Kollam	4	29125	0	0	3	1	2	3	36916.667	155.67	148	179.5	1	5750		
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	53187.5	1	36500	1	1	1	1	36500	34	34	34	3	58750		
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	Ernakulam	4	43125	0	0	4	4	3	4	43125	86.5	72	75.33	0	0		
8	Thrissur	4	10125	0	0	0	0	0	0	0	0	0	0	4	10125		
9	Palakkad	4	27937.5	0	0	0	0	0	0	0	0	0	0	4	27937.5		
10	Malappuram	4	40625	0	0	3	2	3	3	42916.667	35.33	7.5	99.67	1	33750		
11	Kozhikode	4	40000	0	0	0	0	0	0	0	0	0	0	4	40000		
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
13	kannur	4	29500	0	0	2	0	1	2	31250	63.5	0	90	2	27750		
14	Kasargod	4	21406.25	1	31000	3	0	0	3	23708.333	32.33	0	0	1	14500		
	<b>Total</b>	<b>40</b>	<b>33346.88</b>	<b>3</b>	<b>42500</b>	<b>18</b>	<b>10</b>	<b>12</b>	<b>18</b>	<b>33788.69</b>	<b>62.26</b>	<b>58</b>	<b>84.83</b>	<b>22</b>	<b>30022.73</b>		

Table 12(viii)

## 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)
		17	18	19	20	21	22	23	24	25	26	27	28
1	2												
1	Thiruvananthapuram	2	31250	3	31250	1	60000	1	31250	0	0	4	38437.5
2	Kollam	1	5750	4	29125	0	0	3	36916.67	0	0	4	29125
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	66250	2	66250	2	40125	0	0	1	43750	3	56333.3
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	4	43125	0	0	4	43125	0	0	4	43125
8	Thrissur	1	4625	1	4625	3	11958.33	0	0	3	11958.333	1	4625
9	Palakkad	0	0	0	0	4	27937.5	0	0	4	27937.50	0	0
10	Malappuram	0	0	3	42916.667	1	33750	3	42916.67	1	33750	3	42916.7
11	Kozhikode	2	41250	2	41250	2	38750	0	0	2	38750	2	41250
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	24000	3	28833.333	1	31500	2	31250	1	31500	3	28833.3
14	Kasaragod	1	14500	3	18208.383	1	31000	2	20062.5	0	0	4	21406.3
	<b>Total</b>	<b>10</b>	<b>32637.50</b>	<b>25</b>	<b>34890</b>	<b>15</b>	<b>30775</b>	<b>15</b>	<b>36391.67</b>	<b>12</b>	<b>27843.75</b>	<b>28</b>	<b>35705.4</b>

Table 13(f)

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

STATE : KERALA

YEAR : 2008-09

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	6	6				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	0	0				
	<b>Total</b>	<b>40</b>	<b>40</b>				
	% to col.3		100				

Table 13(v)

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

STATE : KERALA

YEAR : 2008-09

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	6	6				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	3			1*	
14	Kasargod	0	0				
<b>Total</b>		<b>40</b>	<b>39</b>			<b>1</b>	<b>0</b>
% to col.3			97.5			2.5	0

\*Weight not recorded in the schedule

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

STATE:KERALA YEAR:2008-2009 CROP:PLANTAIN STATE SAMPLE

Sl.No.	District	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	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Typm	0	0	0	0	0	0	2	12333.3	2	6416.67	4	9375	2	12333.3	2	6416.67	4	9375
2	Kollam	0	0	0	0	0	0	1	18333.3	3	19000	4	18833.33	1	18333.3	3	19000	4	18833.33
3	Path	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
5	Kottm	0	0	0	0	0	0	0	0	4	23358.33	4	23358.33	0	0	4	23358.33	4	23358.33
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekrm	1	17666.7	0	0	1	17666.67	3	17911.1	0	0	3	17911.11	4	17850	0	0	4	17850
8	Thrs	0	0	0	0	0	0	2	20333.3	2	19500	4	19916.67	2	20333.3	2	19500	4	19916.67
9	Pakkd	0	0	0	0	0	0	1	13333.3	5	11344	6	11675.56	1	13333.3	5	11344	6	11675.56
10	Mip	0	0	0	0	0	0	3	16200	3	12577.78	6	14388.89	3	16200	3	12577.78	6	14388.89
11	Kozhi	0	0	0	0	0	0	0	0	4	14841.67	4	14841.67	0	0	4	14841.67	4	14841.67
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	0	0	0	0	0	0	4	10628.33	4	10628.33	0	0	4	10628.33	4	10628.33
14	Ksrgd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	State	1	17666.7	0	0	1	17666.67	12	16611.1	27	14763	39	15331.6	13	16692.3	27	14763	40	15390

Table 13(iv)

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

Sl.No	District	STATE:KERALA				YEAR:2008-09				SEASON:ANNUAL(PLANTAIN)				CENTRAL SAMPLE						
		HY varieties		Other Varieties		Both Hy & Others		HY varieties		Other Varieties		Both Hy & Others		HY varieties		Other Varieties		Both Hy & Others		
		Irrigated	Un irrigated	Total	Irrigated	Un irrigated	total	Irrigated	Un irrigated	Irrigated	Un irrigated	Irrigated	Un irrigated	Total	Irrigated	Un irrigated	Total	Irrigated	Un irrigated	Total
No. of Expts/ harvest	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	Tyrm	4	0	0	0	0	0	0	2	15833.3	2	15500	4	15666.7	2	15833.3	2	15500	4	15666.67
2	Kollam	4	0	0	0	0	0	0	1	17266.7	3	20577.8	4	19750	1	17266.7	3	20577.8	4	19750
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	12658.3	4	12658.3	0	0	4	12658.3	4	12658.33
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	9133.33	3	17077.8	4	15091.7	1	9133.33	3	17077.8	4	15091.67
8	Thrs	4	0	0	0	0	0	0	3	10726.7	1	11266.7	4	10861.7	3	10726.7	1	11266.7	4	10861.67
9	Pakkd	6	0	0	0	0	0	0	0	0	6	23977.8	6	23977.8	0	0	6	23977.8	6	23977.78
10	Mlp	6	0	0	0	0	0	0	1	13866.7	5	10946.7	6	11433.3	1	13866.7	5	10946.7	6	11433.33
11	Kozhi	4	0	0	0	0	0	0	0	0	4	16750	4	16750	0	0	4	16750	4	16750
12	Wyd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	0	0	0	0	0	0	0	0	3	13866.7	3	13866.7	0	0	3	13866.7	3	13866.7
14	Ksrgd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>State</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>13014.2</b>	<b>31</b>	<b>16550.5</b>	<b>39</b>	<b>15825.1</b>	<b>8</b>	<b>13014.2</b>	<b>31</b>	<b>16550.5</b>	<b>39</b>	<b>15825.13</b>

Table 13(v)

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

STATE : KERALA      YEAR : 2008-09      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			
		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	9375	0	0	0	0	0	0	0	0	0	0	4	9375
2	Kollam	4	18833.3	0	0	2	2	1	2	20666.67	153	98.5	119	2	17000
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	23358.3	2	23200	3	2	3	3	23866.67	211.7	145	156.7	1	21833.33
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	17850	0	0	2	2	1	2	20166.67	79.52	79.52	120	2	15533.33
8	Thrissur	4	19916.7	0	0	0	0	0	0	0	0	0	0	4	19916.67
9	Palakkad	6	11675.6	0	0	0	0	0	0	0	0	0	0	6	11694.44
10	Malappuram	6	14388.9	0	0	1	1	0	1	17933.33	2	2	0	5	13680
11	Kozhikode	4	14841.7	0	0	1	1	0	1	25366.67	204	264	0	3	11333.33
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	10628.3	0	0	0	0	0	0	0	0	0	0	4	12295
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>40</b>	<b>15390</b>	<b>2</b>	<b>23200</b>	<b>9</b>	<b>8</b>	<b>5</b>	<b>9</b>	<b>21840.74</b>	<b>130</b>	<b>117.8</b>	<b>131.9</b>	<b>31</b>	<b>13735.91</b>

Table 13(vi)

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

Sl.No.	District	STATE : KERALA						YEAR : 2008 - 09						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 Treated 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(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	12333.333	2	12333.333	2	6416.667	0	0	2	6416.667	2	12333.3												
2	Koikem	0	0	2	20666.667	2	17000	2	20666.7	2	17000	2	20666.7												
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	21833.333	2	23516.667	2	23200	1	25200	0	0	4	23358.3												
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0												
7	Ernakulam	1	12333.333	3	17555.556	1	18733.33	2	20166.7	1	18733.333	3	17555.6												
8	Thrissur	4	19916.667	4	19916.667	0	0	0	0	0	0	4	19916.7												
9	Palakkad	3	13311.111	3	13311.111	3	10077.78	0	0	3	10077.778	3	13311.1												
10	Malappuram	3	15266.667	4	15933.333	2	11300	1	17933.3	2	11300	4	15933.3												
11	Kozhikode	2	11766.667	3	16300	1	10466.67	1	25366.7	1	10466.667	3	16300												
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0												
13	Kannur	3	14497.778	3	14497.778	1	5686.667	0	0	1	5686.667	3	14497.8												
14	Kasaragod	0	0	0	0	0	0	0	0	0	0	0	0												
	<b>Total</b>	<b>19</b>	<b>15329.47</b>	<b>26</b>	<b>16977.95</b>	<b>14</b>	<b>12925.24</b>	<b>7</b>	<b>21452.4</b>	<b>12</b>	<b>11212.78</b>	<b>28</b>	<b>17422.4</b>												



Table 13(vii)

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

STATE : KERALA      YEAR : 2008-09      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			
		No. of Experiments		Yield Rate(KG/Ha)		No. of Experiments		Rate of application		Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	
		No.	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	N	P	K	Exclusive Total						Yield Rate(KG/Ha)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	15666.7	1	17333.3	2	1	2	2	4523.81	21.5	20	21.5	2	15500
2	Kollam	4	19750	0	0	3	3	1	3	16944.44	153.7	138.3	298	1	28166.67
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	12658.3	0	0	1	1	1	1	13866.67	43	43	27	3	12255.56
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Emakulam	4	15091.7	0	0	4	4	3	4	15091.67	264.8	160.3	156.3	0	0
8	Thrissur	4	10861.7	0	0	0	0	0	0	0	0	0	0	4	10861.67
9	Palakkad	6	23977.8	0	0	2	2	0	2	22500	204	110	0	4	24716.67
10	Malappuram	6	11433.3	0	0	1	1	0	1	13733.33	173	173	0	5	10973.33
11	Kozhikode	4	16750	0	0	1	1	0	1	35666.67	198	198	0	3	10444.44
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	11155.6	0	0	0	0	0	0	0	0	0	0	3	13866.67
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>39</b>	<b>15825.1</b>	<b>1</b>	<b>17333.3</b>	<b>14</b>	<b>13</b>	<b>7</b>	<b>14</b>	<b>16322.45</b>	<b>151.1</b>	<b>120.4</b>	<b>125.7</b>	<b>25</b>	<b>14641.87</b>

Table 13(viii)

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

STATE : KERALA

YEAR : 2008-09

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	15500	3	15111.111	1	17333.33	1	14333.33	0	0	4	15666.7
2	Kollam	1	28166.667	4	19750	0	0	3	16944.44	0	0	4	19750
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	8400	2	11133.333	2	14183.33	1	13866.67	2	14183.333	2	11133.3
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	4	15091.667	0	0	4	15091.67	0	0	4	15091.7
8	Thrissur	3	10726.667	3	10726.667	1	11266.67	0	0	1	11266.667	3	10726.7
9	Palakkad	2	18100	4	20300	2	31333.33	2	22500	2	31333.333	4	20300
10	Malappuram	3	13022.222	4	13200	2	7900	1	13733.33	2	7900	4	13200
11	Kozhikode	2	12000	3	19888.889	1	7333.333	1	35666.67	1	7333.333	3	19888.9
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	13866.667	3	13866.667	0	0	0	0	0	0	3	13866.7
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>17</b>	<b>14153.73</b>	<b>30</b>	<b>15813.78</b>	<b>9</b>	<b>15862.96</b>	<b>13</b>	<b>17984.62</b>	<b>8</b>	<b>15679.17</b>	<b>31</b>	<b>15862.8</b>

Table 14(i)

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

STATE : KERALA

YEAR : 2008-09

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	4	4				
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	0	0				
	<b>Total</b>	<b>40</b>	<b>40</b>				
	% to col.3		100				

Table 14(ii)

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

STATE : KERALA

YEAR : 2008-09

CENTRAL 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		4	5	6	7	8
1	Thiruvananthapuram	4	4				1
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	4	4				
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	0	0				
	<b>Total</b>	<b>40</b>	<b>40</b>				
	% to col.3		100				

Table 14(iii)

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

Sl.No.	District	STATE:KERALA				YEAR:2008-09				CROP: PEPPER				STATE SAMPLE						
		HY varieties		Total		Other Varieties		total		Irrigated		Un irrigated		Irrigated		Un irrigated				
		No. of Expts. Checked at harvest	Irrigated	Un irrigated	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Irrigated	Un irrigated	No. of Experiments	Yield Rate Kg/Ha	No. of Experiments	Yield Rate Kg/Ha	Irrigated	Un irrigated	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	0	0	1	236.54	1	236.54	0	0	3	335.1	3	335.1	0	0	4	310.46	4	310.46
2	Kollam	4	0	0	0	0	0	0	0	0	4	149.5	4	149.5	0	0	4	149.5	4	149.5
3	Palp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	4	0	0	0	0	0	0	4	203	0	0	4	203.37	4	203.37	0	0	4	203.37
5	Kotm	4	0	0	0	0	0	0	4	92.4	0	0	4	92.4	4	92.4	0	0	4	92.4
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernm	4	0	0	0	0	0	0	1	18.5	3	165.21	4	128.53	1	18.48	3	165.21	4	128.53
8	Thrs	4	2	107.37	0	0	2	107.37	1	159	1	147.84	2	153.38	3	124.56	1	147.84	4	130.38
9	Pakkd	4	0	0	2	132.5	2	132.5	0	0	2	73.37	2	73.37	0	0	4	102.93	4	102.93
10	Mip	4	1	23.65	0	0	1	23.65	0	0	3	20.33	3	20.33	1	23.65	3	20.33	4	21.16
11	Kozhi	4	0	0	0	0	0	0	0	0	4	51.28	4	51.28	0	0	4	51.28	4	51.28
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	261.86	4	261.86	0	0	4	261.86	4	261.86
14	Ksrgd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	State	40	3	79.46	3	167.18	6	123.32	10	136	24	154.46	34	149.05	13	122.99	27	155.88	40	145.19

Table 14(iv)

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

Sl.No	District	STATE:KERALA				YEAR:2008-2009				SEASON:ANNUAL PEPPER				CENTRAL SAMPLE						
		HY varieties		Other Varieties		HY varieties		Other Varieties		Irrigated		Un irrigated		Irrigated		Un irrigated				
		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			
		No. of expts. Checked at harvest		Total		Total		Irrigated		Un irrigated		total		Irrigated		Un irrigated		Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tvpim	4	0	0	0	0	0	0	0	0	4	98.13	4	98.13	0	0	4	98.13	4	98.13
2	Koillam	4	0	0	1	142.3	1	142.3	0	0	3	136.75	3	136.75	0	0	4	138.14	4	138.14
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	4	0	0	0	0	0	0	0	0	4	35.2	4	35.2	0	0	4	35.2	4	35.2
5	Kottim	4	0	0	0	0	0	0	0	0	4	261.68	4	261.68	0	0	4	261.68	4	261.68
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	0	0	4	113.19	4	113.19	0	0	4	113.19	4	113.19
8	Thrs	4	1	36.22	0	0	1	36.22	0	0	3	68.38	3	68.38	1	36.22	3	68.38	4	60.34
9	Pakkd	4	0	0	2	201.8	2	201.8	0	0	2	215.29	2	215.29	0	0	4	208.55	4	208.55
10	Mlp	4	0	0	0	0	0	0	2	14.8	2	13.31	4	14.04	2	14.78	2	13.31	4	14.04
11	Kozhi	4	0	0	0	0	0	0	0	0	4	206.51	4	206.51	0	0	4	206.51	4	206.51
12	Vyvd	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	26.7	4	26.7	0	0	4	26.7	4	26.7
14	Ksrgd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	State	40	1	36.22	3	181.97	4	145.53	2	14.8	34	118.77	36	112.99	3	21.93	37	123.9	40	116.25

Table 14(v)

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

STATE : KERALA      YEAR : 2008-09      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		
		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	310.464	0	0	0	0	0	0	0	0	0	0	4	310.464
2	Kollam	4	149.503	0	0	0	0	0	0	0	0	0	0	4	7
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	203.372	0	0	2	2	2	2	326.726	0.02	0.02	0.02	2	80.018
5	Kottayam	4	92.4	0	0	0	0	0	0	0	0	0	0	4	92.4
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	128.528	0	0	0	0	0	0	0	0	0	0	4	128.528
8	Thrissur	4	130.376	0	0	0	0	0	0	0	0	0	0	4	130.376
9	Palakkad	4	102.934	0	0	0	0	0	0	0	0	0	0	4	102.934
10	Malappuram	4	21.16	0	0	0	0	0	0	0	0	0	0	4	21.16
11	Kozhikode	4	51.282	0	0	0	0	0	0	0	0	0	0	4	51.282
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	261.862	0	0	0	0	0	0	0	0	0	0	4	261.862
14	Kasaragod	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	State	40	145.19	0	0	2	2	2	2	326.73	0.02	0.02	0.02	38	135.63

Table 14(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)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	3	297.528	3	297.528	1	349.272	0	0	1	349.272	3	297.528
2	Kollam	1	219.912	1	219.912	3	126.034	0	0	3	126.034	1	219.912
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	2	80.018	4	203.372	0	0	2	326.726	0	0	4	203.372
5	Kottayam	0	0	0	0	4	92.4	0	0	4	92.4	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	0	0	0	0	4	128.528	0	0	4	128.528	0	0
8	Thiruvananthapuram	2	107.369	2	107.369	2	153.384	0	0	2	153.384	2	107.369
9	Palakkad	2	87.595	2	87.595	2	118.272	0	0	2	118.272	2	87.595
10	Malappuram	1	23.654	1	23.654	3	20.328	0	0	3	20.328	1	23.654
11	Kozhikode	0	0	0	0	4	51.282	0	0	4	51.282	0	0
12	Waysnad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	0	0	4	261.862	0	0	4	261.862	0	0
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0
	<b>State</b>	<b>11</b>	<b>153.28</b>	<b>13</b>	<b>179.97</b>	<b>27</b>	<b>128.44</b>	<b>2</b>	<b>326.726</b>	<b>27</b>	<b>128.44</b>	<b>13</b>	<b>179.97</b>



Table 14(vii)

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

STATE : KERALA      YEAR : 2008 - 09      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	98.129	0	0	0	0	0	0	0	0	0	0	4	98.129
2	Kollam	4	138.138	0	0	0	0	0	0	0	0	0	0	4	138.138
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	35.204	0	0	0	0	0	0	0	0	0	0	4	35.204
5	Kottayam	4	261.677	0	0	0	0	0	0	0	0	0	0	4	261.677
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	113.19	0	0	0	0	0	0	0	0	0	0	4	113.19
8	Thrissur	4	60.337	0	0	0	0	0	0	0	0	0	0	4	60.337
9	Palakkad	4	208.547	0	0	0	0	0	0	0	0	0	0	4	208.547
10	Malappuram	4	14.045	0	0	0	0	0	0	0	0	0	0	4	14.045
11	Kozhikode	4	206.514	0	0	0	0	0	0	0	0	0	0	4	206.514
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	26.704	0	0	0	0	0	0	0	0	0	0	4	26.704
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>40</b>	<b>116.25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>116.25</b>

Table 14(viii)

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

Sl.No.	District	STATE : KERALA				YEAR : 2008 - 09				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		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)		
1	2	17	18	19	20	21	22	23	24	25	26	27	28				
1	Thiruvananthapuram	1	72.811	1	72.811	3	106.568	0	0	3	106.568	1	72.811				
2	Kollam	2	160.776	2	160.776	2	115.5	0	0	2	115.5	2	160.776				
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0				
4	Alappuzha	3	34.619	3	34.619	1	36.96	0	0	1	36.96	3	34.619				
5	Kottayam	0	0	0	0	4	261.677	0	0	4	261.677	0	0				
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0				
7	Emakulam	2	203.28	2	203.28	2	23.1	0	0	2	23.1	2	203.28				
8	Thrissur	0	0	0	0	4	60.337	0	0	4	60.337	0	0				
9	Palakkad	4	208.547	4	208.547	0	0	0	0	0	0	4	208.547				
10	Malappuram	2	14.784	2	14.784	2	13.306	0	0	2	13.306	2	14.784				
11	Kozhikode	1	36.96	1	36.96	3	263.032	0	0	3	263.032	1	36.96				
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0				
13	Kannur	2	16.262	2	16.262	2	37.145	0	0	2	37.145	2	16.262				
14	Kasaragod	0	0	0	0	0	0	0	0	0	0	0	0				
	<b>Total</b>	<b>17</b>	<b>108.12</b>	<b>17</b>	<b>108.12</b>	<b>23</b>	<b>122.26</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>122.26</b>	<b>17</b>	<b>108.12</b>				

Table 15(f)

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

STATE : KERALA      YEAR : 2008-09      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	4	4				
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	0	0				
	<b>Total</b>	<b>40</b>	<b>40</b>				
	<b>% to col.3</b>		<b>100</b>				

Table 15(i)

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

STATE : KERALA

YEAR : 2008-09

CENTRAL 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		4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta	0	0				
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki	0	0				
7	Emakulam	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	0	0				
	<b>Total</b>	<b>40</b>	<b>40</b>				
	% 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:2008-09				CROP: ARECANUT				STATE SAMPLE						
		HY varieties		Other Varieties		HY varieties		Other Varieties		Irrigated		Un irrigated		Irrigated		Un 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	No. of Expts	Yield Rate Kg/Ha	No. of Expts
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Tyvm	4	0	0	0	0	0	0	0	0	4	361.95	4	361.95	0	0	4	361.95	4	361.95
2	Koillam	4	0	0	0	0	0	0	0	0	4	1608.04	4	1608.04	0	0	4	1608.04	4	1608.04
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	4	0	0	0	0	0	0	0	0	4	1160.4	4	1160.4	0	0	4	1160.4	4	1160.4
5	Kottm	4	0	0	1	1007.06	1	1007.06	0	0	3	1740.13	3	1740.13	0	0	4	1556.86	4	1556.86
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ekkm	4	0	0	0	0	0	0	4	928	4	0	4	927.51	4	927.51	0	0	4	927.51
8	Thrs	4	0	0	0	0	0	0	2	1550	4	1379.55	4	1464.8	2	1550.04	2	1379.55	4	1464.8
9	Pakkd	4	0	0	0	0	0	0	2	4609	4	1110.65	4	2859.77	2	4608.89	2	1110.65	4	2859.77
10	Mlp	4	0	0	0	0	0	0	0	0	4	804.58	4	804.58	0	0	4	804.58	4	804.58
11	Kozhi	4	0	0	0	0	0	0	0	0	4	1743.54	4	1743.54	0	0	4	1743.54	4	1743.54
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	2008.69	4	2008.69	0	0	4	2008.69	4	2008.69
14	Ksrtd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	State	40	0	0	1	1007.06	1	1007.06	8	2003	31	1320.96	39	1460.96	8	2003.49	32	1311.15	40	1449.61

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:2008-09		CROP: ARECANUT		CENTRAL SAMPLE													
		HY varieties		Other Varieties		Both Hy & Others															
		Irrigated		Total		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												
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	0	0	4	2664.81	4	2664.81	0	0	0	4	2664.81	4	2664.81
2	Kollam	4	0	0	0	0	0	0	0	0	4	1864.19	4	1864.19	0	0	0	4	1864.19	4	1864.19
3	Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alpy	4	0	0	0	0	0	0	0	0	4	297.51	4	297.51	0	0	0	4	297.51	4	297.51
5	Kottm	4	0	0	0	0	0	0	0	0	4	1058.63	4	1058.63	0	0	0	4	1058.63	4	1058.63
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Etm	4	0	0	0	0	0	0	0	0	4	1979.28	4	1979.28	0	0	0	4	1979.28	4	1979.28
8	Ttrs	4	0	0	0	0	0	0	2	2119	2	1408.37	4	1763.76	2	2119.15	2	1408.37	4	1763.76	
9	Pakkd	4	0	0	1	479.15	1	479.15	2	2221	3	1664.61	2	1664.61	2	2221.29	2	551.25	4	1368.25	
10	Mlp	4	0	0	0	0	0	0	3	2348	1	1000.63	4	2011.15	3	2348	1	1000.63	4	2011.15	
11	Kozhi	4	0	0	0	0	0	0	0	0	4	1745.87	4	1745.87	0	0	4	1745.87	4	1745.87	
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	1	1132.22	1	1132.22	1	3655	2	2188.96	3	2677.6	1	3654.88	3	1836.71	4	2291.25	
14	Ksrgd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	<b>State</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>805.68</b>	<b>2</b>	<b>805.68</b>	<b>8</b>	<b>2422</b>	<b>30</b>	<b>1572.92</b>	<b>38</b>	<b>1751.78</b>	<b>8</b>	<b>2422.47</b>	<b>32</b>	<b>1524.97</b>	<b>40</b>	<b>1704.47</b>	

Table 15(v)

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

STATE : KERALA      YEAR : 2008 - 09      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	
		Rate of application			No. of Experiments			Rate of application						Yield Rate(KG/Ha)	No.
		No.	Yield Rate(KG/Ha)	Yield Rate(KG/Ha)	No.	Yield Rate(KG/Ha)	Yield Rate(KG/Ha)	N	P	K	Exclusive Total	Yield Rate(KG/Ha)	N		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	361.953	0	0	0	0	0	0	0	0	0	0	4	361.953
2	Kollam	4	1608.04	0	0	0	0	0	0	0	0	0	0	4	1608.04
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	1160.4	0	0	0	0	0	0	0	0	0	0	4	1160.4
5	Kottayam	4	1556.86	0	0	0	0	0	0	0	0	0	0	4	1556.86
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Emakulam	4	927.505	0	0	0	0	0	0	0	0	0	0	4	927.505
8	Thrissur	4	1464.8	0	0	0	0	0	0	0	0	0	0	4	1464.8
9	Palakkad	4	2859.77	0	0	0	0	1	1	6461.517	0	0	90	3	1659.185
10	Malappuram	4	804.578	0	0	0	0	0	0	0	0	0	0	4	804.578
11	Kozhikode	4	1743.54	0	0	0	0	0	0	0	0	0	0	4	1743.54
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	2008.69	0	0	0	0	0	0	0	0	0	0	4	2008.69
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>State</b>	<b>40</b>	<b>1449.61</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>6461.52</b>	<b>0</b>	<b>0</b>	<b>90</b>	<b>39</b>	<b>1321.1</b>

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)
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	4	361.953	4	361.953	0	0	0	0	0	0	4	361.953
2	Kollam	4	1608.038	4	1608.038	0	0	0	0	0	0	4	1608.038
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	4	1160.4	0	0	4	1160.4	0	0
5	Kottayam	0	0	0	0	4	1556.862	0	0	4	1556.862	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	1	1395.16	1	1395.16	3	771.62	0	0	3	771.62	1	1395.16
8	Thrissur	3	1870.619	3	1870.619	1	247.335	0	0	1	247.335	3	1870.619
9	Palakkad	3	1659.185	4	2859.768	0	0	1	6461.517	0	0	4	2859.768
10	Malappuram	1	949.437	1	949.437	3	756.292	0	0	3	756.292	1	949.437
11	Kozhikode	2	1974.504	2	1974.504	2	1512.584	0	0	2	1512.584	2	1974.504
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	2206.833	1	2206.833	3	1942.648	0	0	3	1942.648	1	2206.833
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0
	State	19	1419.46	20	1671.57	20	1227.66	1	6461.52	20	1227.66	20	1671.57



Table 15(vii)

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

**STATE : KERALA      YEAR : 2008 - 09      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	2664.81	0	0	0	0	0	0	0	0	0	0	4	2664.81
2	Kollam	4	1864.19	0	0	0	0	0	0	0	0	0	0	4	1864.19
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	297.513	0	0	0	0	0	0	0	0	0	0	4	297.513
5	Kottayam	4	1058.63	0	0	0	0	0	0	0	0	0	0	4	1058.63
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	1979.28	0	0	0	0	0	0	0	0	0	0	4	1979.28
8	Thrissur	4	1763.76	0	0	0	0	0	0	0	0	0	0	4	1763.76
9	Palakkad	4	1368.25	0	0	0	0	0	0	0	0	0	0	4	1368.25
10	Malappuram	4	2011.16	0	0	1	1	1	1	4954.294	145	44	66	3	1030.108
11	Kozhikode	4	1745.87	0	0	1	1	0	1	0854.028	16	16	0	3	2043.152
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	2291.25	0	0	0	0	0	0	0	0	0	0	4	2291.25
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>40</b>	<b>1704.47</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2904.16</b>	<b>80.5</b>	<b>30</b>	<b>66</b>	<b>38</b>	<b>1641.33</b>

Table 15(viii)

## 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)
1	2	17	18	19	20	21	22	23	24	25	26	27	28		
1	Thiruvananthapuram	0	0	0	0	4	2664.813	0	0	4	1068.956	0	0		
2	Kollam	1	1778.255	1	1778.255	3	1892.838	0	0	3	1892.838	1	1778.26		
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0		
4	Alappuzha	0	0	0	0	4	297.513	0	0	4	181.485	0	0		
5	Kottayam	2	867.661	2	867.661	2	1249.607	0	0	2	1249.607	2	867.661		
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0		
7	Ernakulam	4	1979.278	4	1979.278	0	0	0	0	0	0	4	1979.28		
8	Thrissur	3	2177.186	3	2177.186	1	523.485	0	0	1	523.485	3	2177.19		
9	Palakkad	2	2221.292	2	2221.292	2	515.2	0	0	2	515.2	2	2221.29		
10	Malappuram	2	1044.846	3	2347.995	1	1000.632	1	4954.294	1	1000.632	3	2348		
11	Kozhikode	2	1941.925	3	1579.293	1	2245.605	1	854.028	1	2245.605	3	1579.29		
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0		
13	Kannur	3	2677.597	3	2677.597	1	1132.218	0	0	1	1132.218	3	2677.6		
14	Kasargod	0	0	0	0	0	0	0	0	0	0	0	0		
	<b>Total</b>	<b>19</b>	<b>1916.38</b>	<b>21</b>	<b>2010.45</b>	<b>19</b>	<b>1366.28</b>	<b>2</b>	<b>2904.16</b>	<b>19</b>	<b>1005.89</b>	<b>21</b>	<b>2010.45</b>		

Table 16(i)

**State Wise Position of Supply and Use of Equipments**

State : Kerala

Year :2008-09

Crop	AGENCY	Item of equipment	No of experiments supervised (harvest & post harvest) for which equipments was										Information about supply not available	Total of columns 13 & 14		
			Supplied					Not supplied								
			And used	But used locally procured one		But not used through required	But not required to be used	Total	Used locally procured one		And also not used through 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	92	8				100	0					0		100
		Balance	59	38				97	3					3		100
		Weight	69	28				97	3					3		100
Paddy (Autumn)		Pegs	14	20				34	66					66		100
		Tape	99					99	0							100
		Balance	91					91	8					8	1	100
		Weight	91					91	8					8	1	100
Paddy (Winter)		Pegs	91					91	8					8	1	100
		Tape	100	0				100	0					0		100
		Balance	68	30				98	2					2		100
		Weight	78	20				98	2					2		100
Paddy (Summer)		Pegs	16	18				34	65	1				66		100
		Tape	99	1				100	0					0		100
		Balance	91	1				92	8					8		100
		Weight	91	1				92	8					8		100
Paddy (Summer)		Pegs	91	1				92	8					8		100
		Tape	99	0				99	0					0		99
		Balance	55	39				95	4					4		99
		Weight	63	29				93	6					6		99
Paddy (Summer)		Pegs	17	29	2			48	43	8				51		99
		Tape	96					96	0					0	2	100
		Balance	90					90	8					8	2	100
		Weight	90					90	8					8	2	100
Paddy (Summer)		Pegs	87					87	11				11	2	100	

Table 16(ii)

## State Wise Position of Supply and Use of Equipments

State : Kerala

Year : 2008-09

Crop	AGENCY	Item of equipment	No of experiments supervised (harvest & post harvest) for which equipments was											Total of columns 8, 13 & 14		
			Supplied					Not supplied							Information about supply not available	
			And used	But used locally procured one		But not used through required	But not required to be used	Total	Used locally procured one		And also not used through required	As not required	Total			
	Standard	Non standard				Standard	Non standard				Standard	Non standard				
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
		Tape	39	0	0	1	40	0	0	0	0	0	0	0	40	
Tapioca	C	Balance	28	9	2		39	1					1		40	
		Weight	29	8	2		39	1					1		40	
		Pegs	4	2	0	3	9	29				2	31			40
		Tape	42				42	0					0			42
Banana	S	Balance	38				38	4					4		42	
		Weight	38				38	4					4		42	
		Pegs	33			4	37	2					2	3	42	
		Tape	3	1	0	1	52	0				4	4	4	60	
Plantain	C	Balance	27	27	1	0	55	0					1	4	60	
		Weight	33	21	1	0	55	0					1	4	60	
		Pegs	2	0	0	0	31	29				24	24	5	60	
		Tape	11			6	45	28					0	15	60	
Tapioca	S	Balance	56			0	56	4					4	0	60	
		Weight	56			0	56	4					4	0	60	
		Pegs	5			28	33	0				6	6	21	60	
		Tape	2	0		37	39	0				1	1		40	
Banana	C	Balance	24	14		0	38	2				0	2		40	
		Weight	25	13		0	38	2				0	2		40	
		Pegs	0	0		22	22	0				18	18		40	
		Tape	1			33	34	0				0	0	6	40	
Tapioca	S	Balance	36			0	36	4				0	4	0	40	
		Weight	36			0	36	4				0	4	0	40	
		Pegs	1			23	24	0				10	10	6	40	
		Tape	1												40	

## State Wise Position of Supply and Use of Equipments

State : Kerala

Year : 2008-09

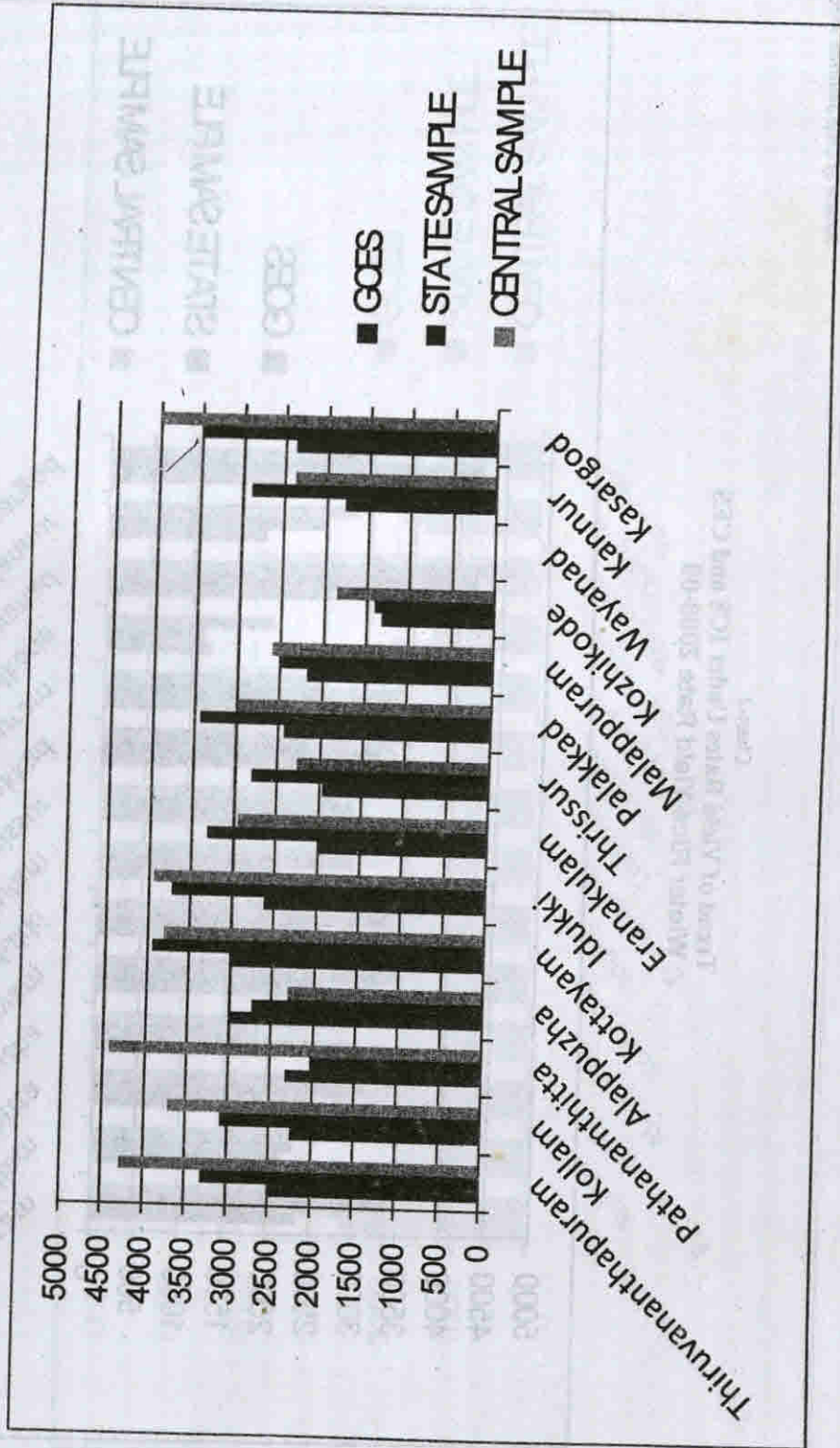
Crop	AGENCY	Item of equipment	No of equipments supervised (harvest & post harvest) for which equipments was										Information about supply not available	Total of columns 13 & 14	
			Supplied					Not supplied							
			And used	But used locally procured one		But not used through required	But not required to be used	Total	Used locally procured one		And also not used through 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
		Tape	0	0			37	37				3	3		40
	C	Balance	32	8		0	0	40				0			40
		Weight	34	6		0	0	40				0			40
Pepper		Pegs	0	0		27	27	27		1		12	13		40
		Tape	6			25	25	31						9	40
	S	Balance	36			0	0	36	4				4		40
		Weight	36			0	0	36	4				4		40
		Pegs	2			25	25	27				2	2	11	40
		Tape	0			36	36	36	4				4		40
	C	Balance	22	18		0	0	40							40
		Weight	26	14		0	0	40							40
Arecanut		Pegs	0			27	27	27	4			9	13	4	40
		Tape	8			28	28	36							40
	S	Balance	34	2		0	0	36	4				4		40
		Weight	34	2		0	0	36	4				4		40
		Pegs	2			28	28	30				4	4	6	40

Table 17(i)

## Yield Rates(Kg/Ha) of Rice Under GCES and ICS 2008-09

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	2489	3316.98	4290.02	2360	3388.12	385 0.36	2628	3453.54	4288.42
2	Kollam	2263	3093.5	3724	2157	2310.0 6	3358.29	708	1730.41	1602.97
3	Pathanamthitta	2333	204 5.2	4431.1	2494	3118.11	370 6.27	2929	3865.36	529 5.16
4	Alappuzha	2999	274 6.5	2321.48	3027	1873.87	3404.54	309 0	3874.18	1843.32
5	Kottayam	3022	394 5.19	380 6.64	2563	3529.6	4067.56	304 2	4128.12	4298.41
6	Idukki	2637	3728.56	3944.42	2594	340 6.38	3754.39	239 0	3724	4074.99
7	Eranakulam	1995	3322.97	2964.42	2088	2928.16	3074.61	1733	2631.4 9	2036.58
8	Thrissur	1980	2818.44	2285.67	2344	2905.74	2693.01	3270	3604.79	404 5.77
9	Palakkad	2443	344 5.84	3000.47	2478	3372.68	3450.82	2891	3631.97	484 0.2
10	Malappuram	2190	249 0.09	260 6.03	1898	3423.42	2564.76	3117	2632.54	5104.74
11	Kozhikode	1343	1414.69	1875.91	1241	1153.78	1939.63	209 6	149 6.44	1675.29
12	Wayanad	0	0	0	2610	4213.02	4656.15	2815	3400.94	4109.43
13	Kannur	1757	2914.63	2393.5 6	1813	2470.2	2852.5 6	1627	1920.41	1468.68
14	Kasargod	2390	3483.55	4011.4 2	199 3	4270.09	2966.29	1918	2678.41	2432.28
	<b>State</b>	<b>2428</b>	<b>2915.55</b>	<b>3029.13</b>	<b>2370</b>	<b>2984.22</b>	<b>3202.06</b>	<b>2982</b>	<b>3013.92</b>	<b>3373.14</b>

Chart -1  
Trend of Yield Rates Under ICS and CES  
Autumn Rice Yield Rate 2008-09



District

Chart-2  
Trend of Yield Rates Under ICS and CES  
Winter Rice Yield Rate 2008-09

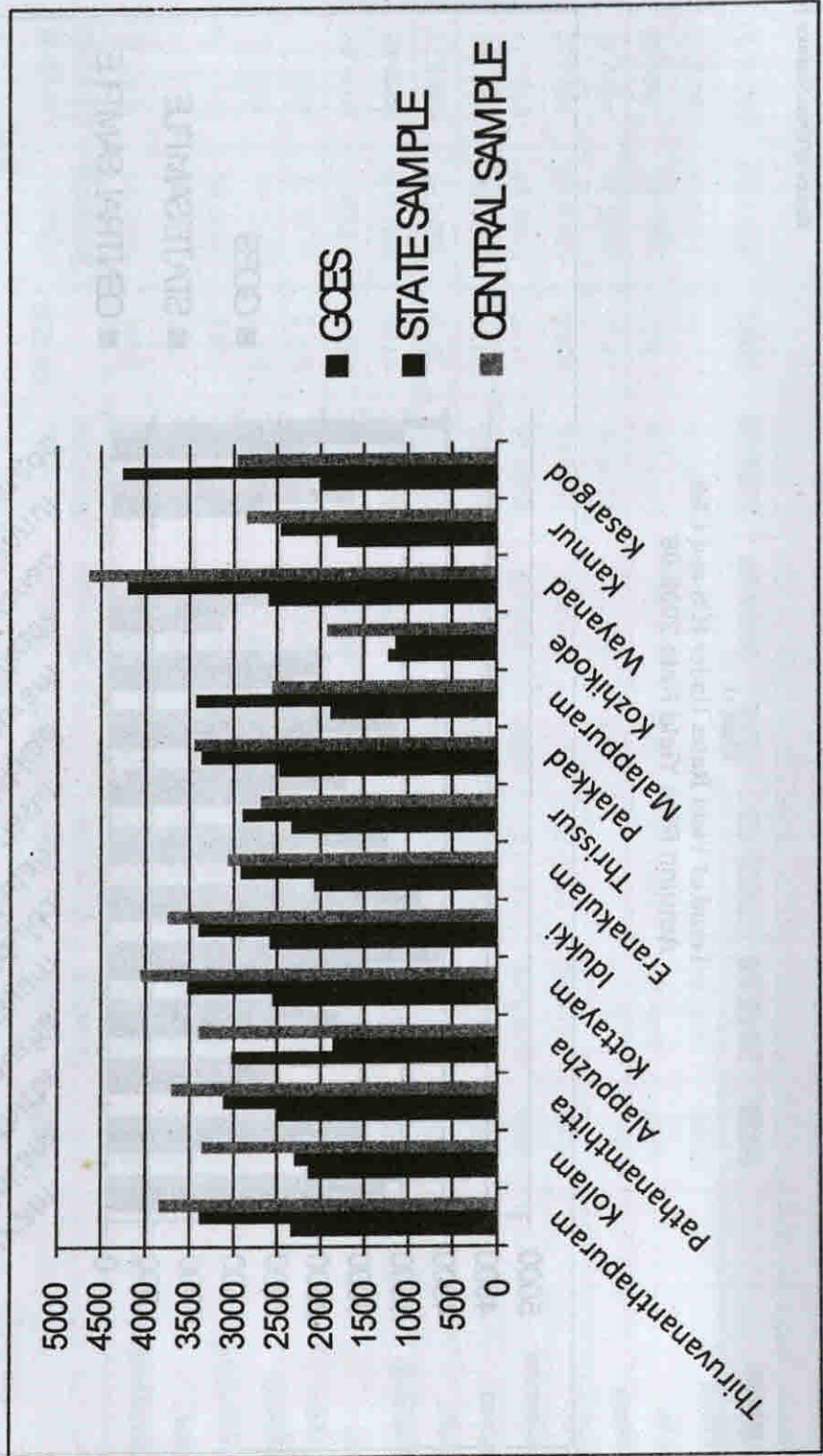
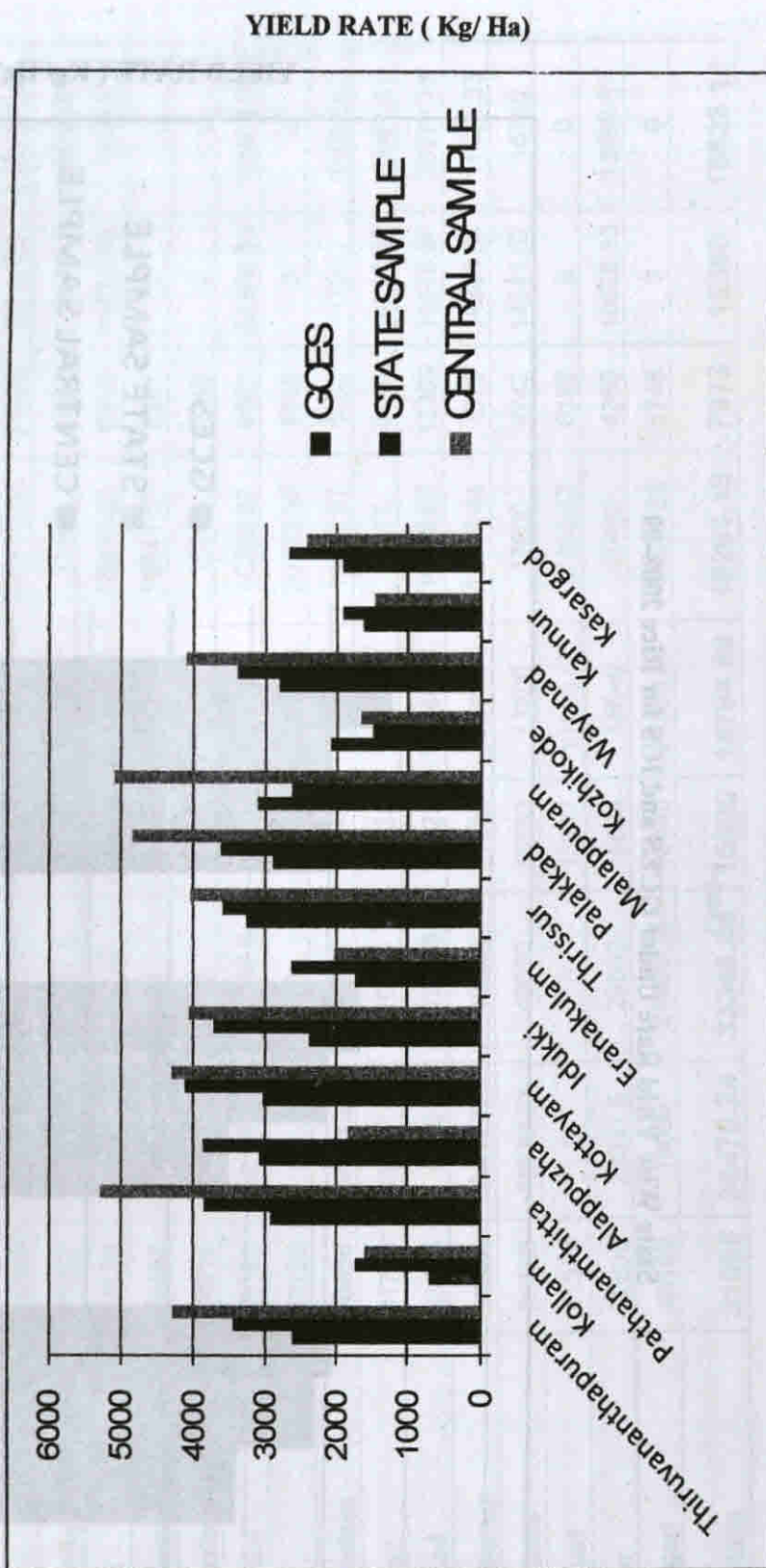




Chart-3  
Trend of Yield Rates Under ICS and CES  
Summer Rice Yield Rate 2008-09



District

Chart-4

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

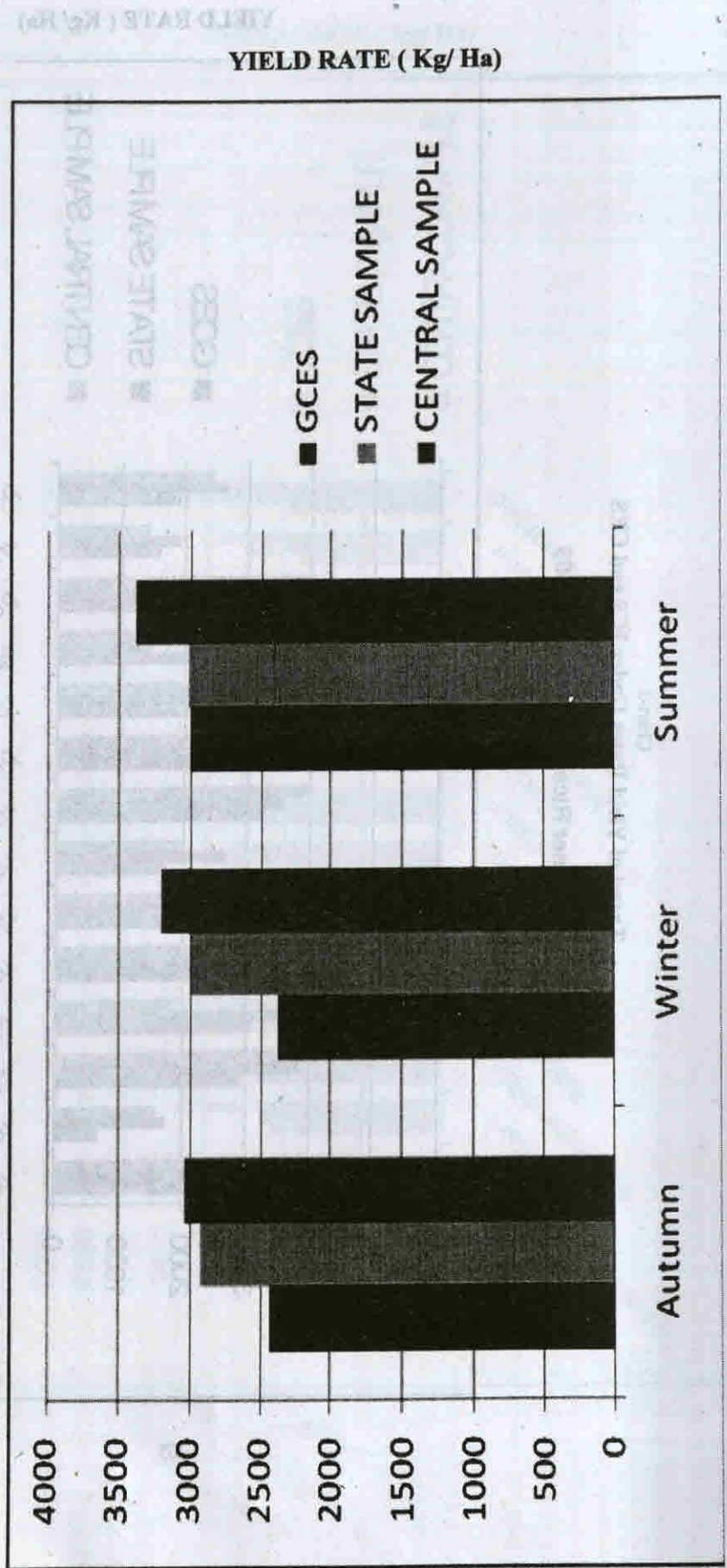


Table 17(ii)

## Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2008-09

SI.No.	DISTRICT	TAPIOCA			BANANA			PLANTAIN		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	25922	22562.5	38437.5	12282	14500	11500	7687	9375	15666.67
2	Kollam	28433	32187.5	29125	14160	11933.33	15933.33	6812	18833.33	19750
3	Pathanamthitta	36482	0	0	16121	18150	18641.67	8941	0	0
4	Alappuzha	29215	0	0	14851	11941.67	10250	6240	0	0
5	Kottayam	35395	28187.5	53187.5	18190	21958.33	15266.67	8687	23358.33	12658.33
6	Idukki	33125	0	0	16063	15083.33	20333.33	7516	0	0
7	Eranakulam	36958	39781.25	43125	15416	16908.33	13666.67	6662	17850	15091.67
8	Thrissur	31720	42187.5	10125	16135	13841.67	16375	5414	19916.67	10861.67
9	Palakkad	23575	8125	27937.5	15127	11944.44	16546.67	12359	11675.56	23977.78
10	Malappuram	38884	8468.75	40625	14230	11211.11	15044.44	7029	14388.89	11433.33
11	Kozhikode	26120	18333.33	40000	15332	13200	17600	4742	14841.67	16750
12	Wayanad	41319	0	0	13977	11666.67	12466.67	6198	0	0
13	Kannur	32695	28937.5	29500	15558	16640	17400	4360	10628.33	13866.67
14	Kasargod	23180	19000	21406.25	16440	21366.67	14633.33	5748	0	0
	<b>State</b>	<b>31088</b>	<b>24470.24</b>	<b>33346.88</b>	<b>15020</b>	<b>14794.89</b>	<b>15261.15</b>	<b>7973</b>	<b>15390</b>	<b>15825.12</b>

Table 17(iii)

## Yield Rate(Kg/Ha) of Important Crops Under GCES and ICS 2008-09

SI.No.	DISTRICT	PEPPER			ARECANUT		
		GCES	STATE	CENTRAL	GCES	STATE	CENTRAL
1	Thiruvananthapuram	211.32	310.46	98.13	601.391	361.95	2664.81
2	Kollam	189.17	149.5	138.14	754.025	1608.04	1864.19
3	Pathanamthitta	272.98	0	0	512.892	0	0
4	Alappuzha	92.85	203.37	35.2	605.404	1160.4	297.51
5	Kottayam	140.71	92.4	261.68	726.014	1556.86	1058.63
6	Idukki	286.64	0	0	1190.502	0	0
7	Ernakulam	174.54	128.53	113.19	1163.377	927.51	1979.28
8	Thrissur	174.17	130.38	60.34	1004.288	1464.8	1763.76
9	Palakkad	153.69	102.93	208.55	1292.813	2859.77	1368.25
10	Malappuram	98.36	21.16	14.04	1173.897	804.58	2011.15
11	Kozhikode	97.73	51.28	206.51	1398.282	1743.54	1745.87
12	Wayanad	217.34	0	0	470.271	0	0
13	Kannur	200.38	261.86	26.7	1272.131	2008.69	2291.25
14	Kasargod	256.35	0	0	2508.54	0	0
	<b>State</b>	<b>221.14</b>	<b>145.19</b>	<b>116.25</b>	<b>1288.834</b>	<b>1449.614</b>	<b>1704.47</b>

Chart-5

YIELD RATE OF TAPIOCA UNDER GCES & ICS IN 2008-09

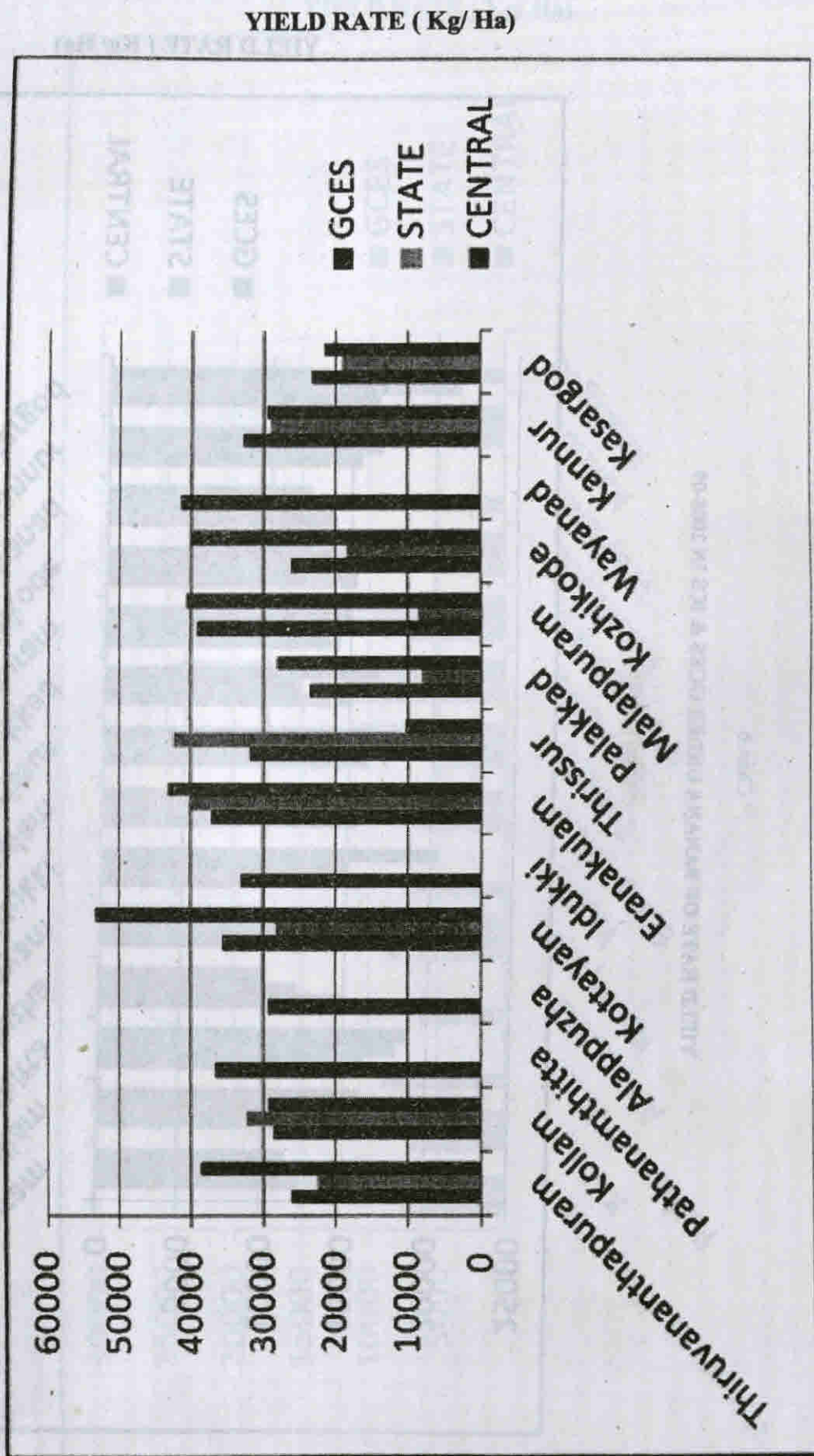
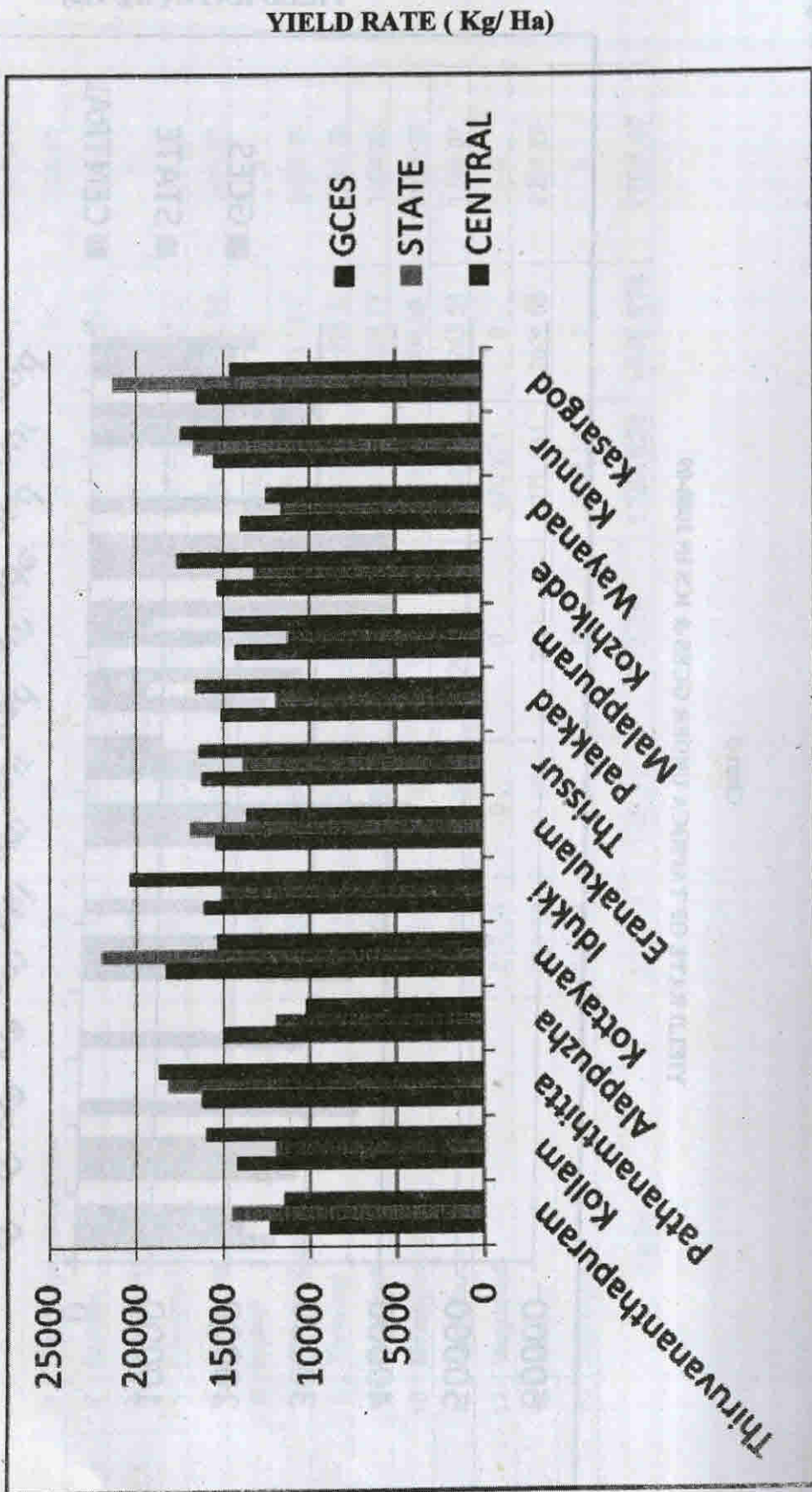


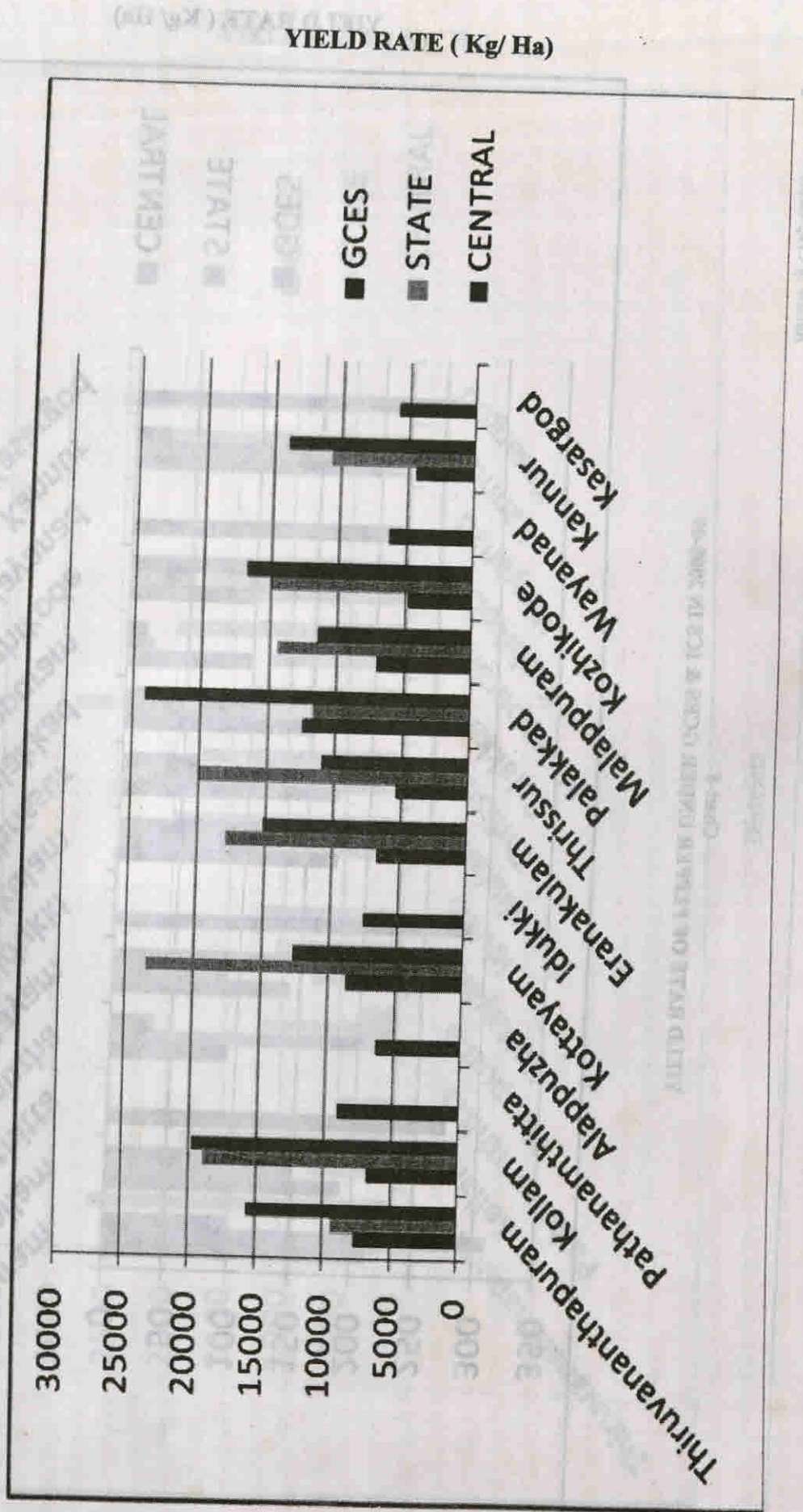
Chart-6

YIELD RATE OF BANANA UNDER GCES & ICS IN 2008-09



Districts

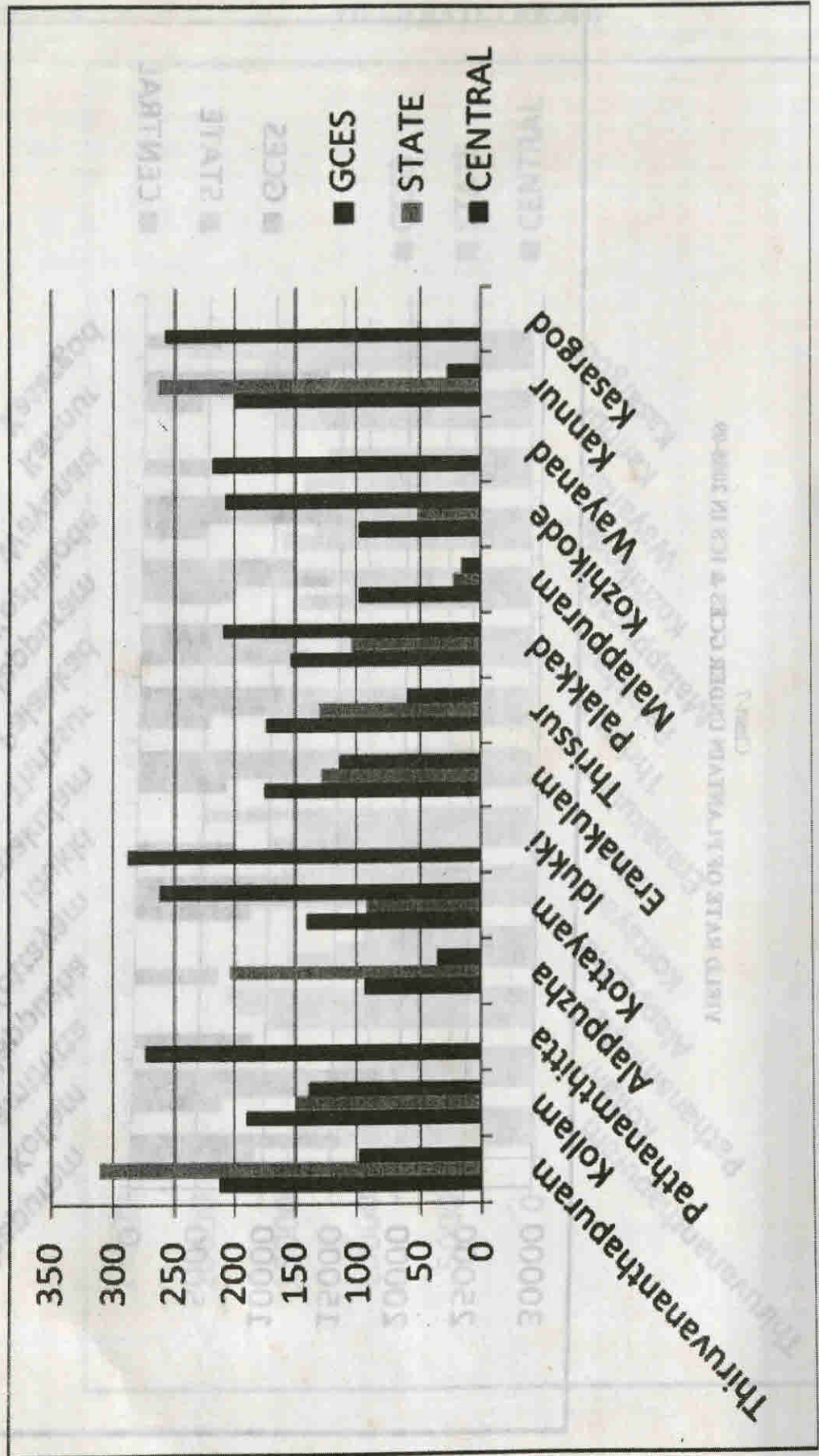
Chart-7  
YIELD RATE OF PLANTAIN UNDER GCES & ICS IN 2008-09



Districts

YIELD RATE ( Kg/ Ha)

Chart-8  
YIELD RATE OF PEPPER UNDER GCES & ICS IN 2008-09



Districts



Chart-9

YIELD RATE OF ARECANUT UNDER GCES & ICS IN 2008-09

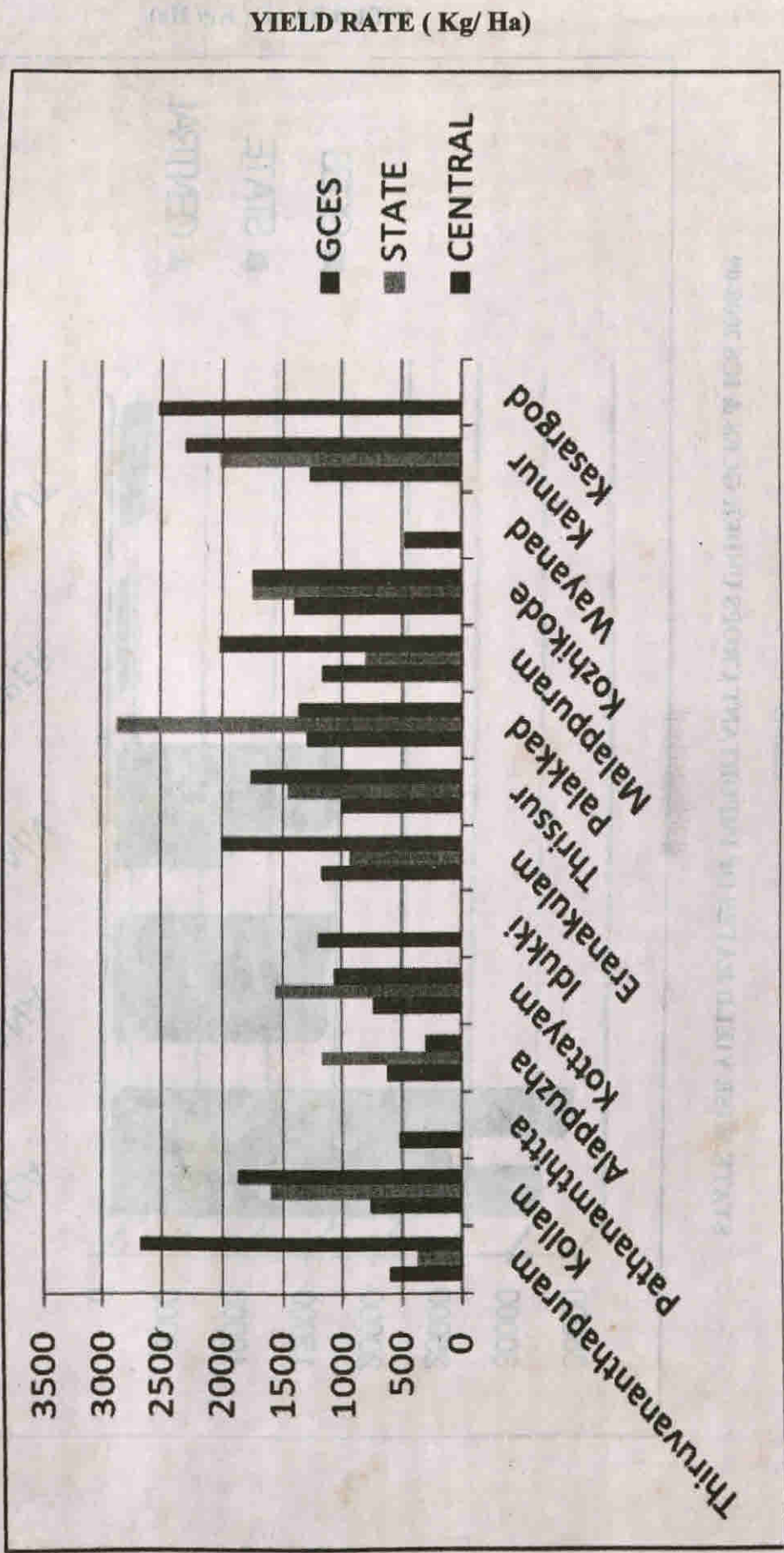


Chart-10

STATE WISE YIELD RATES OF IMPORTANT CROPS UNDER GCES & ICS 2008-09

