



Government of Kerala

2020-2021

ANNUAL REVIEW OF CROP STATISTICS SYSTEM IN KERALA

THROUGH THE SCHEME FOR
IMPROVEMENT OF
CROP STATISTICS



Department of Economics and Statistics Kerala



GOVERNMENT OF KERALA

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2020-21**

DEPARTMENT OF ECONOMICS & STATISTICS

KERALA

PREFACE

Department of Economics & Statistics is the nodal agency for collecting agricultural statistics in the State. “Establishment of an Agency for Reporting Agricultural Statistics” is a 100% Central sector scheme implemented by the Ministry of Agriculture and Farmers Welfare, Government of India. Land utilization, area of crops, production, yield rate, irrigation details etc. are collected through EARAS Scheme.

The National Statistical Office (NSO) under Ministry of Statistics & Programme Implementation, Government of India has the overall responsibility of providing technical guidance to the state for developing suitable survey techniques for obtaining timely and reliable estimates of crop area and yield and imparting training to the state government field personnel.

*Sample check by the supervisory staff of NSO (FOD) and of the State Government on a matching basis in two-overlapping samples is a super check for rectifying the non-sampling error to a minimum. For this purpose the Scheme “**Improvement of Crop Statistics (ICS)**” was taken up in the year 1975-76. The scheme aims to find out deficiencies in the system of crop statistics by exercising technical supervision over the primary field work and suggesting remedial measures for strengthening the system.*

*The findings of the Scheme are brought for the Kerala state by the DES in the publication “**Annual Review of Crop Statistics System in Kerala through the Scheme for Improvement of Crop Statistics**” every year.*

This report is prepared by the Sample Check section in the EARAS unit of the Directorate of Economics and Statistics, Government of Kerala. I express my sincere gratitude to all the concerned staff of the EARAS section for their dedication and painstaking efforts for bringing out this report.

SAJEEV.P.P
DIRECTOR

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PART I

INTRODUCTION

Scheme for Improvement of Crop Statistics (ICS)

The scheme ICS which had a modest beginning in the year 1975-76 reached to the optimum coverage in the subsequent years. The scheme is closely related to the scheme TRS, EARAS & GCES and was initiated with the objective to point out the deficiencies in the system of collection of area and yield statistics through the joint efforts of NSO and DES and suggest remedial measures.

Land use statistics is collected by Area Enumeration Survey and the yield rate of principal crops are estimated through General Crop Estimation Survey (GCES).

The position of crop production and procedure taken for collecting data on Area enumeration and Yield rate are included in this report. Details of equipments supplied, adequacy of experiments planned under General Crop Estimation Survey (GCES), response rate etc. are included in this report. Besides, the findings of sample check under ICS scheme on working of the system are also brought out indicating the remedial measures to rectify the deficiencies observed.

1. The Scheme for Improvement of Crop Statistics (ICS)

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

- (1) Physical verification of the crop enumeration done by the investigator in a sample of 80 Investigator 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.

Sample checks are undertaken by the supervisory staff of NSO (FOD) and the Supervisory staff of DES (ADOs) on matching basis in two non-overlapping samples.

The schedules viz, AS 1.0, AS 1.1 and AS 2.0 are used for recording the findings of sample check on (a) area enumeration (b) area aggregation and (c) crop cutting experiments 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 4 clusters in each selected Investigator zone. The supervisory officer from NSO or DES identifies the differences on reporting and recording crops in the concerned survey numbers during each season and the variation on reporting the land utilisation are identified by all means.

The concurrent inspection of crop cutting experiments at harvest stage consists of examining the conduct of the experiments by the investigator conforms to the procedures prescribed under GCES. The inspection covers aspects such as selection of field and random coordinates, marking of experimental plots of specified shape and size, harvesting of plants, weighment of the produce etc. The supply and use of equipments for conducting the crop cutting 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 crop area, their frequency and impact.
- (3) Discrepancies in recording ancillary information, their frequency and impact.
- (4) Discrepancies in crop abstract and their impact.

(5) Departures from the prescribed procedure of 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.

2. General Crop Estimation Surveys (GCES)

GCES consists of performing a specified number of crop cutting experiment in randomly selected fields. Crop cutting experiments, conducted under well designed estimation survey, is an effective technique for estimating the average yield; by selecting the field, randomly locating a plot of a specified size, harvesting, threshing, weighing and recording the weight of the produce from the plot.

3. Timely Reporting Scheme (TRS)

The Ministry of Agriculture initiated TRS in 1968-69 in land record states in order to reduce the time lag between (a) completion of sowing and the availability of estimates of area sown and (b) the completion of harvesting and availability of estimates of production in respect of important crops. Being a non-land record state Kerala, Agriculture Statistics is being collected under EARAS Scheme since 1975-76.

4. Establishment of an Agency for Reporting Agricultural Statistics (EARAS)

Under the scheme EARAS, collection of data for estimating area and yield statistics for every agricultural year by way of complete enumeration of the villages of the State in a phased manner powering 20 % of the selected villages was done in each year. The first cycle of the survey was completed within a period of six years 1975-76, 1980-81 and the second cycle in 1985-86. During 1993-94 the Investigator Zones were recognized by suiting the villages to Panchayats. From

2000-01 onwards the part Panchayats were discontinued and each Investigator Zone was formed with full Panchayat/Panchayats. Cluster sampling method is followed in EARAS Scheme in order to obtain representation from the entire area of the Investigator Zone. The production of crops are estimated on the basis of scientifically designed crop cutting experiments conducted by the Investigators under the supervision of Statistical Inspectors/Taluk Statistical Officers/ District Level Officers.

5. District Level Committee (DLC)

District Level Committee is also functioning in every district with representatives of NSO and Government officials of DES. The main objective in forming DLC is to probe into the reasons for the differences between the crop and non-crop area figures recorded by the State primary worker during the crop enumeration and those observed by the Central/State Supervisor during sample check on area enumeration under the scheme Improvement of Crop Statistics (ICS).

PART II

Analysis of Data 2020-21

Check on Area Enumeration and Area Aggregation

Every year 80 non-overlapping Investigator Zones each under Central and State Samples are selected for Sample Check on Area Enumeration and Area Aggregation. The sample checks are conducted immediately after the completion of area enumeration survey under EARAS scheme.

1) Response in Sample Check on Enumeration of Area during 2020-21.

The response in sample check on area enumeration ie; the number of Investigator zones for which filled in schedules were received during 2020-21 is given in Table-1&1(a). The response was 100% for all season for all districts for Central Sample & State Sample.

2) Completion of Area Enumeration under EARAS

The Investigator is required to complete the EARAS according to prescribed time schedule and to submit the filled in schedules immediately after completion of the work. The sample checks are conducted after completion of area enumeration.

Timeliness in completion of area enumeration during 2020-21 is given in Table-2 & 2(a). The Timeliness of completion is 90%, 93.75%, 91.25% for Central Sample and 87.5%, 91.25% & 70% for State Sample respectively. 5% and 2.5% enumeration work during Winter and Summer season are completed after due date for Central Sample. 12.5% for Autumn, 8.75% for Winter and 27.5% for summer for State sample. The date of completion is not known for 10% during Autumn, 1.25% for winter and 6.25% during summer season for Central sample and 1.25% for winter and 2.5% for summer season for State sample.

3) Submission of EARAS Statement

The details of season wise submission of EARAS statement during 2020-21 are indicated in Table-3 & 3(a). Timely submission of these statements still needs considerable improvement in almost all districts.

4) Discrepancies in recording crop and crop areas

Details of crop and its 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 type 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 numbers in which different types of discrepancies in recording paddy area by the Investigator during Autumn, Winter and Summer for the year 2020-21 are given in Table-4. The error, which non-reporting of the actual grown area of the crop (E1) is 0.34 in Winter for Central Sample. Reporting of incorrect area of crops (E3) 0.84% in Summer for Central Sample. Non-reporting of crops actually grown (E1) in case of State Sample during Winter is 3.97%. Reporting of crops actually not grown (E2) in case of State Sample during Autumn is 0.62%. Reporting of incorrect area of crops (E3) is 1.23% in Autumn and 3.13% in Winter and 2.94% during Summer for State Sample.

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, Summer Dry is given in Table 5(a), 5(w) and 5 (s) and 5 respectively

Part III

CHECK ON CROP CUTTING EXPERIMENTS

1. Response in Sample check on Crop Cutting Experiments

Table 6 reflects the percentage of crop cutting experiments during each season for each district for the year 2020-21. For Central and State Sample the response was 100% during Autumn and Winter. In Summer season response was 98% and 100% for Central and State samples respectively. Annual response of paddy crop cutting for Central Sample is 99.33% and State Sample is 100%.

2. Distribution of number of experiments conducted according to important inputs

Table 7(i), 7(ii) and 7(iii) shows the details of paddy crop cutting experiments conducted, according to the percentage of experiments, irrigated, sown with high yielding varieties of seeds and applied with fertilizer. More care may be given to attend the programme of ICS and procedure followed by the supervisory officer in time. The extent of participation at harvest stage is presented in the table.

3. Procedural Deviations and Discrepancies

The officer who attends crop cutting experiment selected for Sample Check may examine if there is any deviation from guidelines and procedure occurs.

Incidences of deviation and departure 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 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 produce for drying

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

The information on supply and use of crop cutting equipments such as Tapes, Pegs, Balance and Weights collected during the Sample Check survey 2020-21 is presented in Tables 16(i) & 16 (ii). In most districts standard equipment which supplied were used but in some district the use of non-standard equipments are noticed. Use of non-standard equipments should be avoided.

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 8 (iii), 8 (iv), 8 (v), 8(vi), 9(iii), 9(iv), 9(v), 9(vi), 10(iii), 10(iv), 10(v) & 10(vi).

Crop wise number of experiments planned for Sample Check at harvest and the response received 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, Coconut, Pepper and Arecanut are given in the Tables 11(i), (ii), (iii),(iv), (v), (vi), 12(i), (ii), (iii), (iv), (v), (vi), 13(i), (ii), (iii), (iv), (v), (vi), 14(i), (ii), (iii), (iv), (v), (vi), 15(i), (ii), (iii), (iv), (v), (vi).

V. Comparison of ICS and GCES yield Estimates

The district yield rates of rice under ICS and GCES during the year 2020-21 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 from 2016-17 to 2020-21 are given in Chart 8, 9, 10 respectively {Table 17(iii)}. District wise yield rate of rice under GCES and ICS are given in Chart 11, 12 and 13 respectively. Season wise yield rate under GCES and ICS for rice is given in Chart 14.

Yield rates of rice under GCES are lower as compared to ICS during Autumn, Winter and Summer season. The yield rates of important crops under GCES and ICS for the year 2020-21 is given in Table 17(ii). Trend of yield rates of rice under GCES & ICS from 2016-17 to 2020-21 is given in Table 17 (iii) and its graphical representation is given in Chart 10. A graphical representation of yield rates of Tapioca, Banana, Coconut, Pepper and Arecanut are given in Chart 15 to 19. A graphical representation of crop wise yield rates of important crops during 2020-21 is given in Chart-20.

CHART-1
COMPLETION OF GIRDAWARI 2020-21
AUTUMN

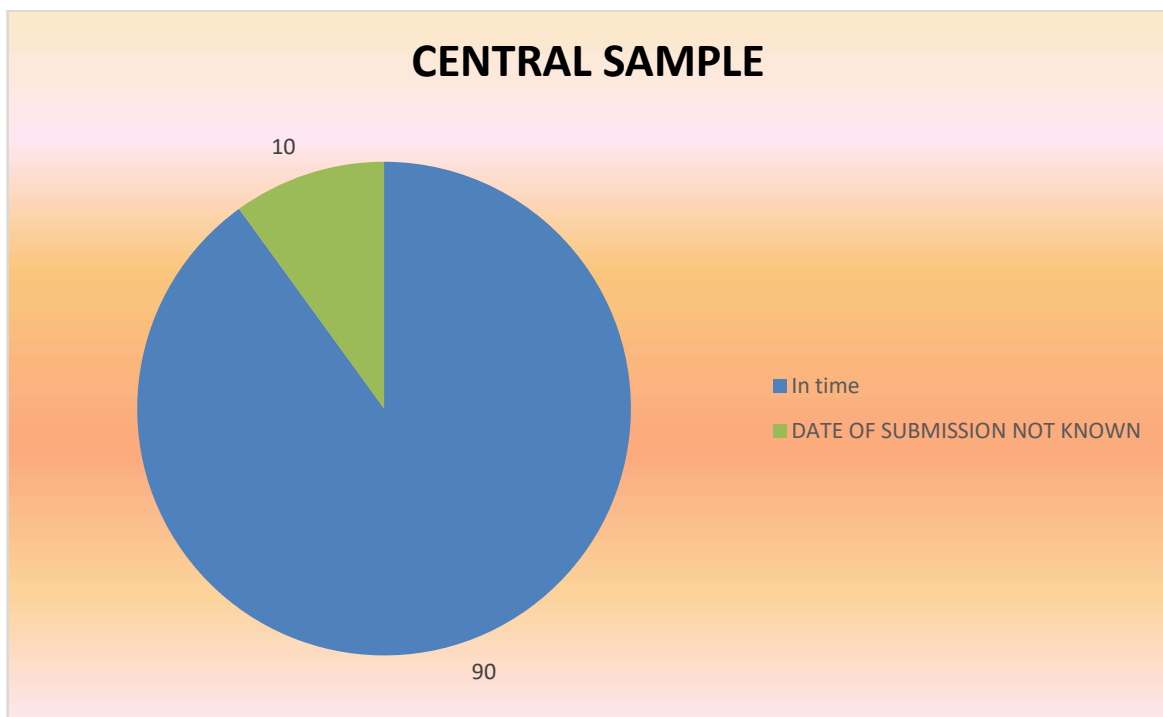
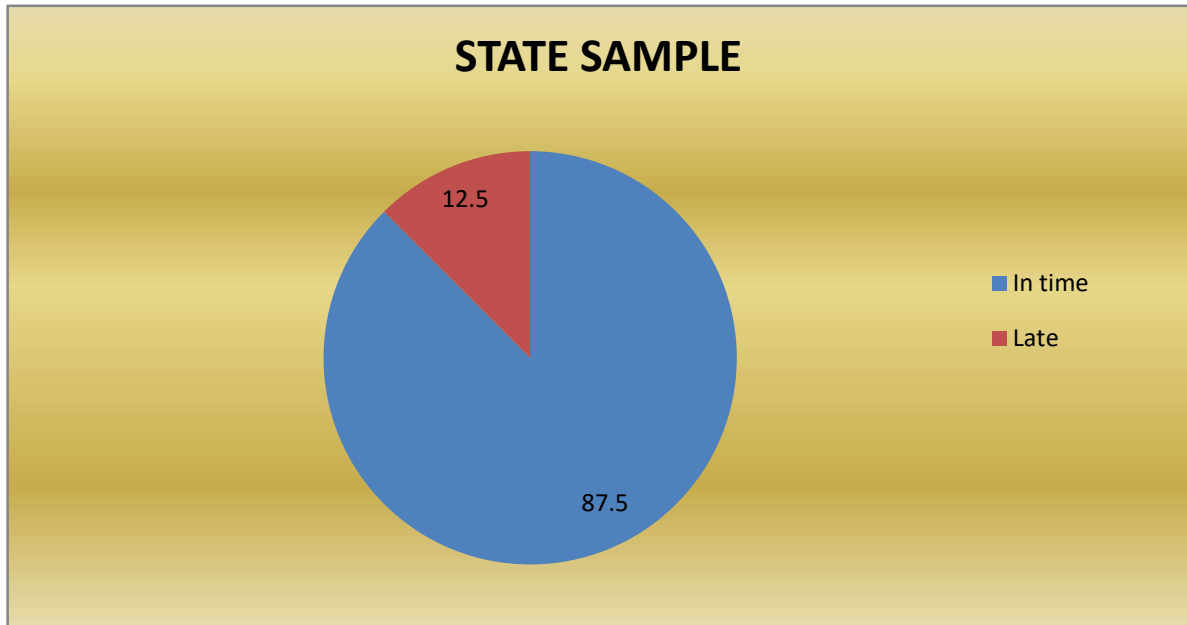


CHART-2
COMPLETION OF GIRDAWARI 2020-21
WINTER

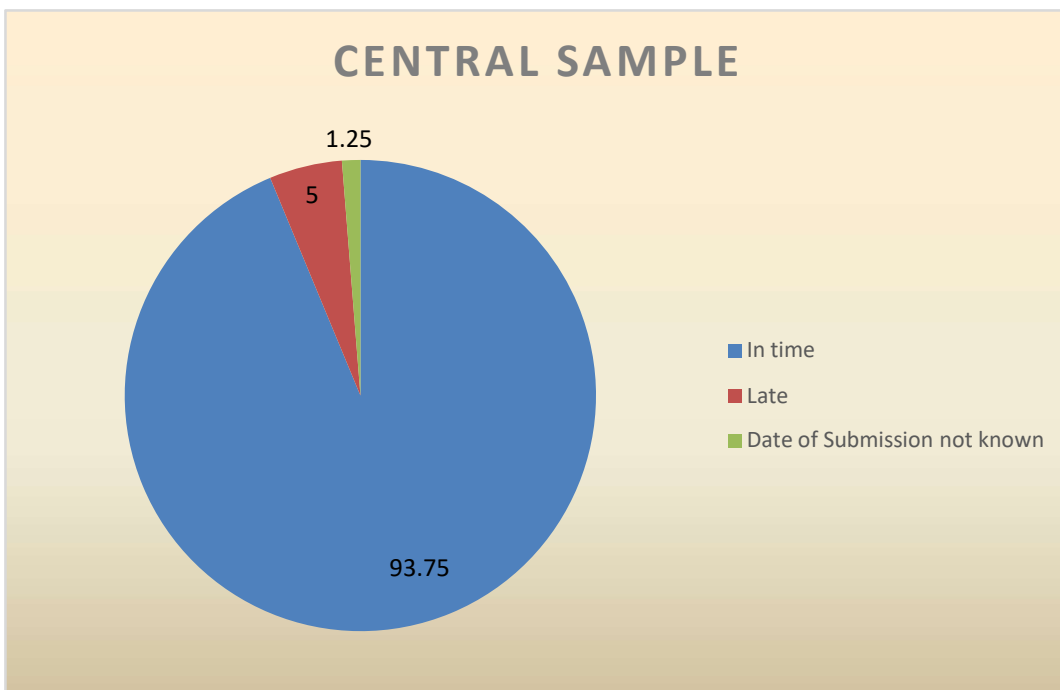
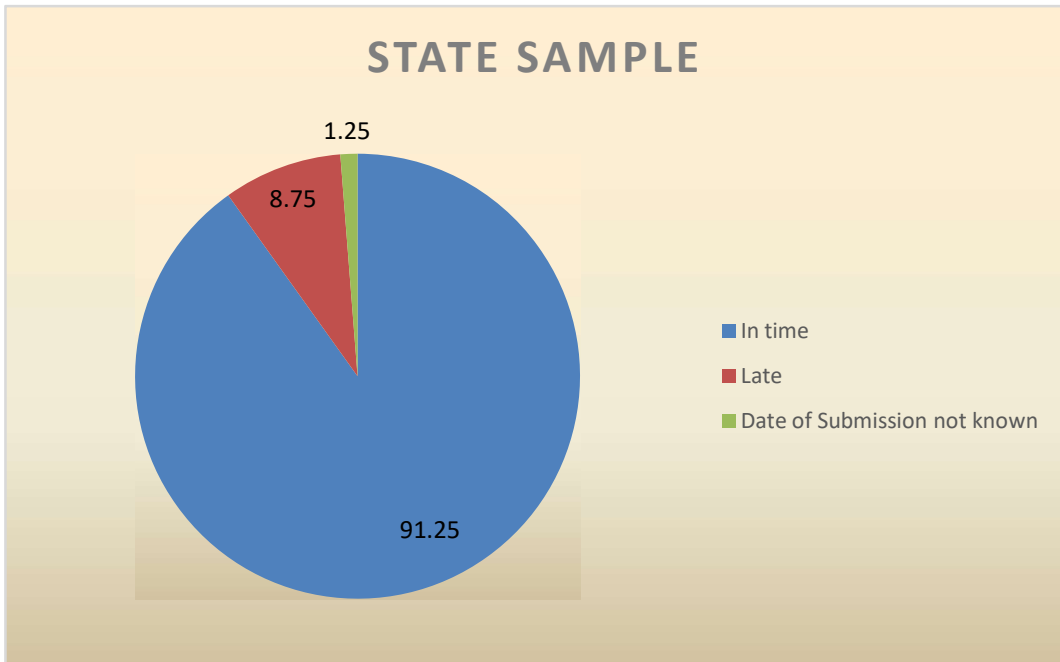


CHART-3
COMPLETION OF GIRDAWARI 2020-21
SUMMER

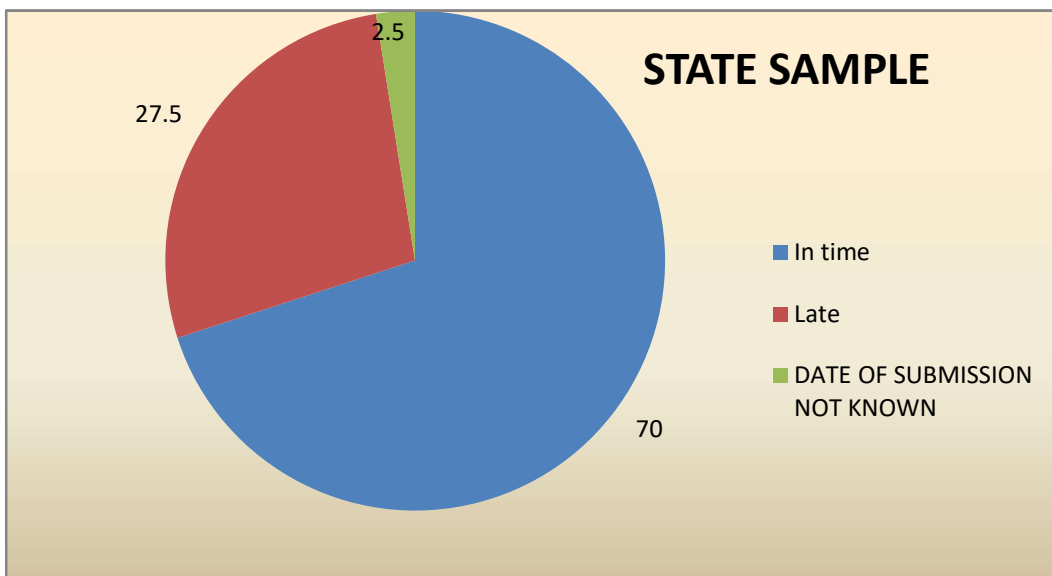
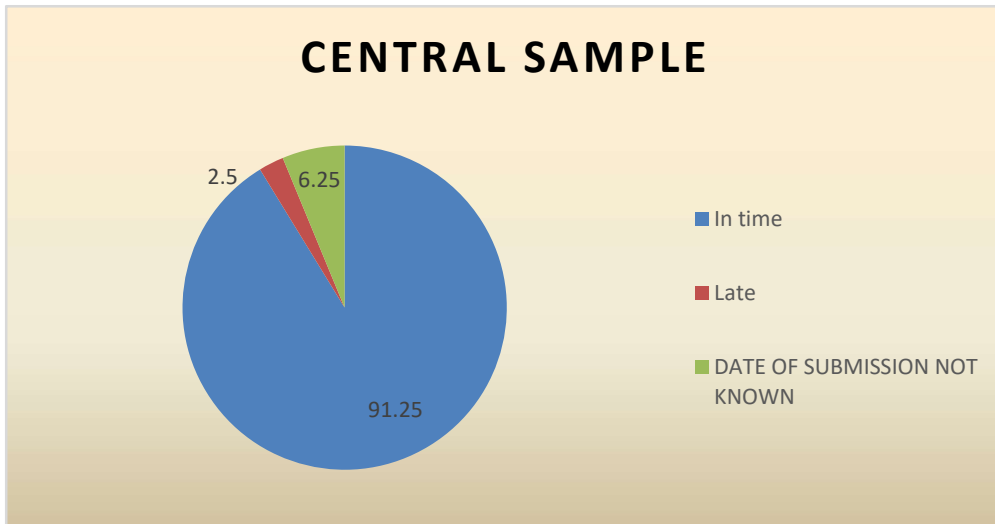


CHART-4
COMPLETION OF GIRDAWARI 2020-21
SUMMER DRY

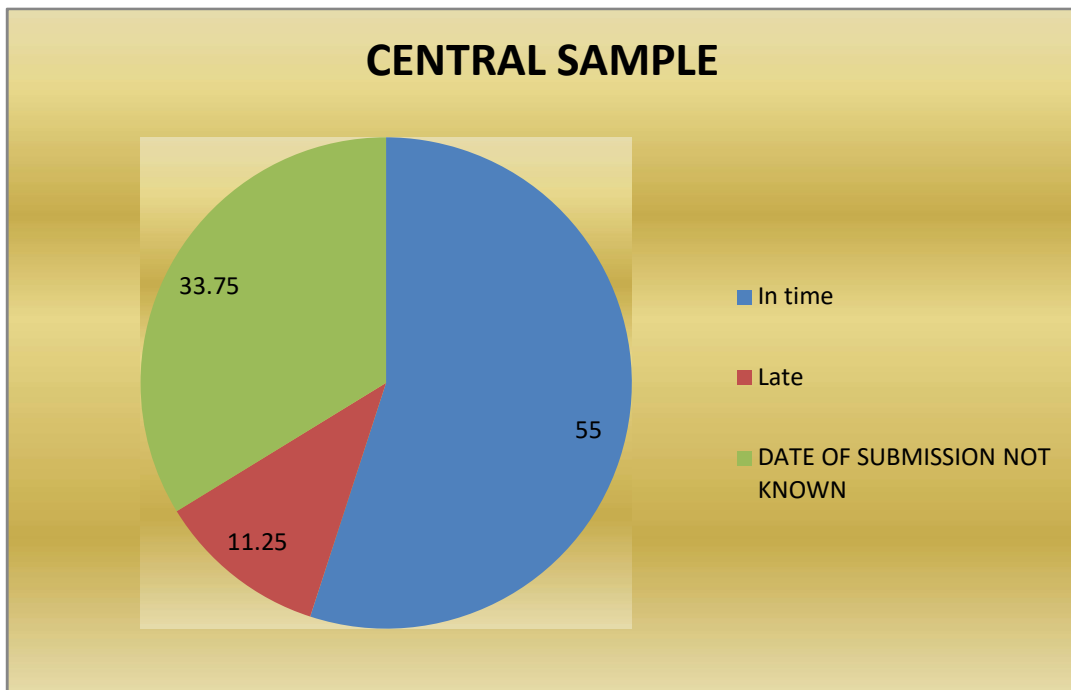
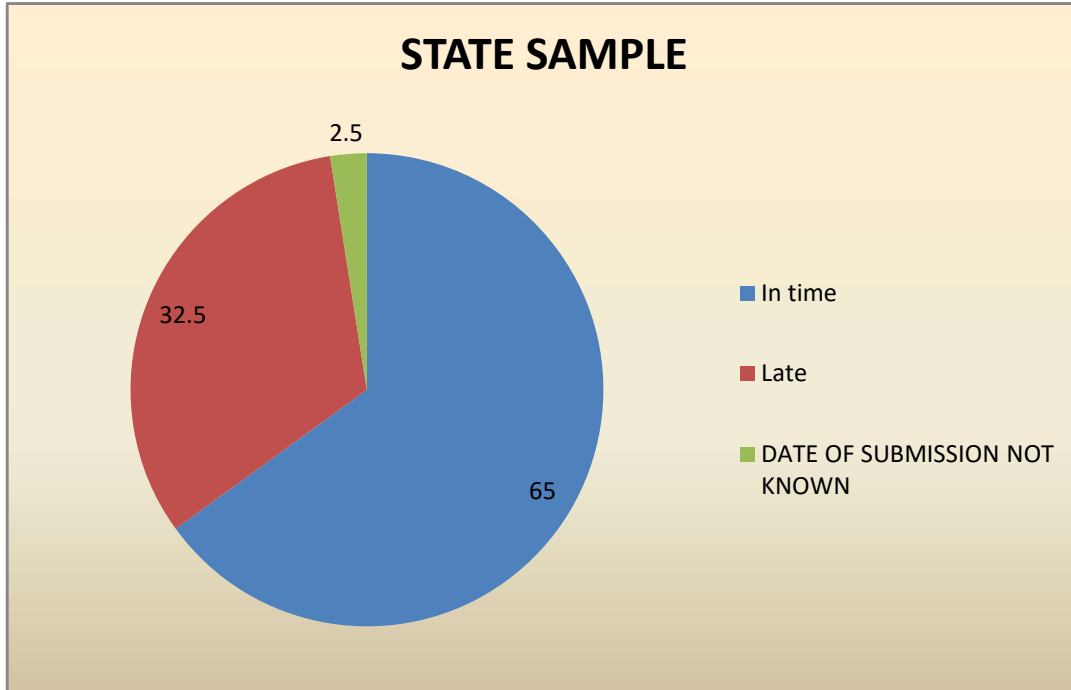


CHART-5
ERRORS IN RECORDING CROP AND CROP AREAS 2020-21
AUTUMN

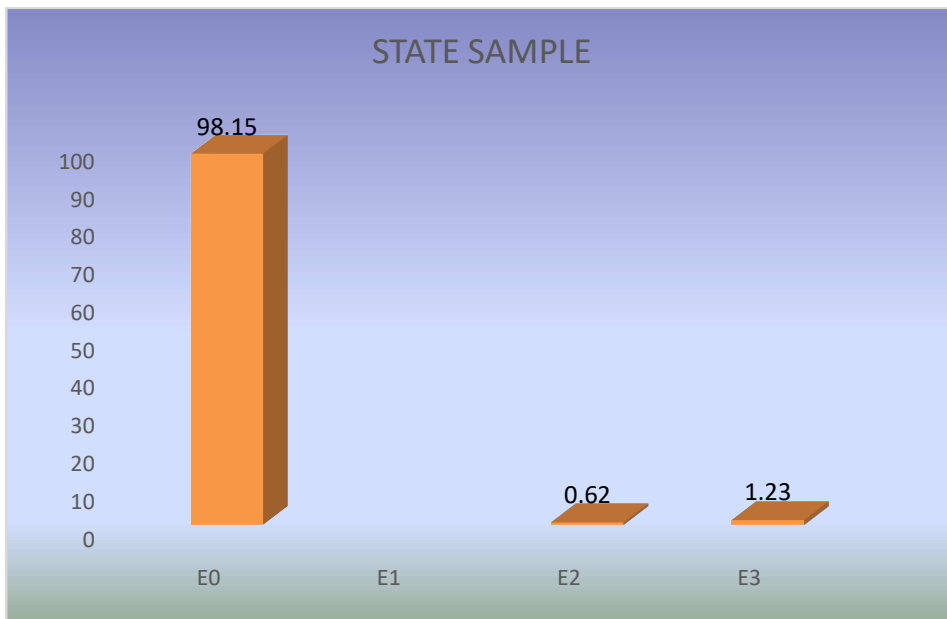
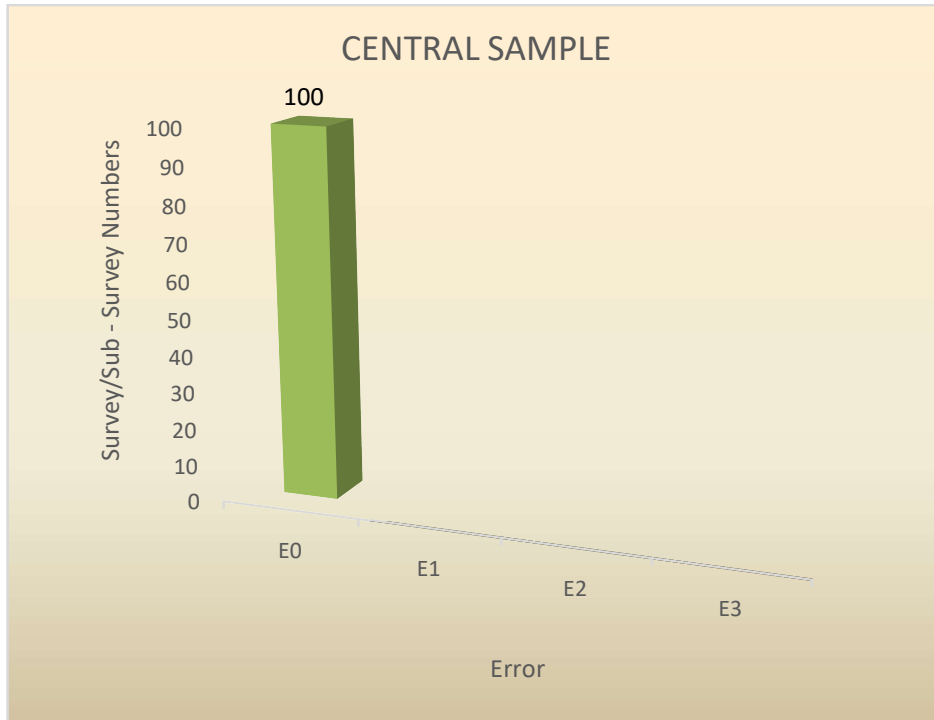


CHART-6
ERRORS IN RECORDING CROPS AND CROP AREAS
2020-21- WINTER

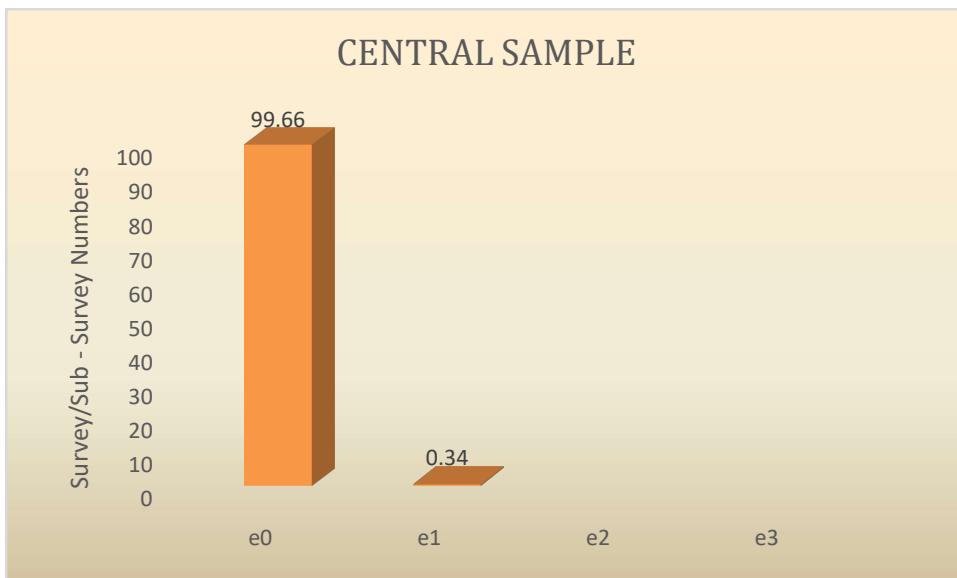
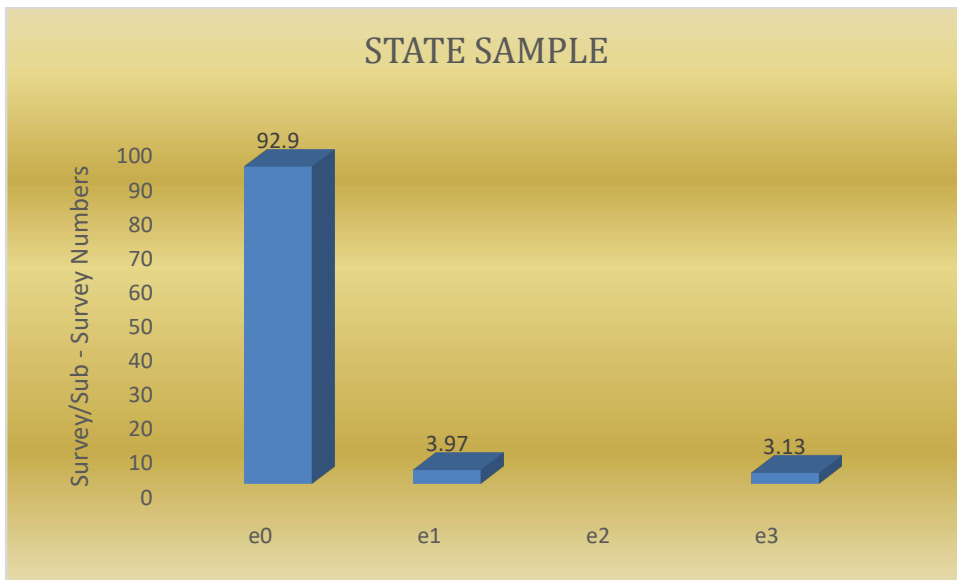


CHART-7

**ERRORS IN RECORDING CROPS AND CROP AREAS
2020-21- SUMMER**

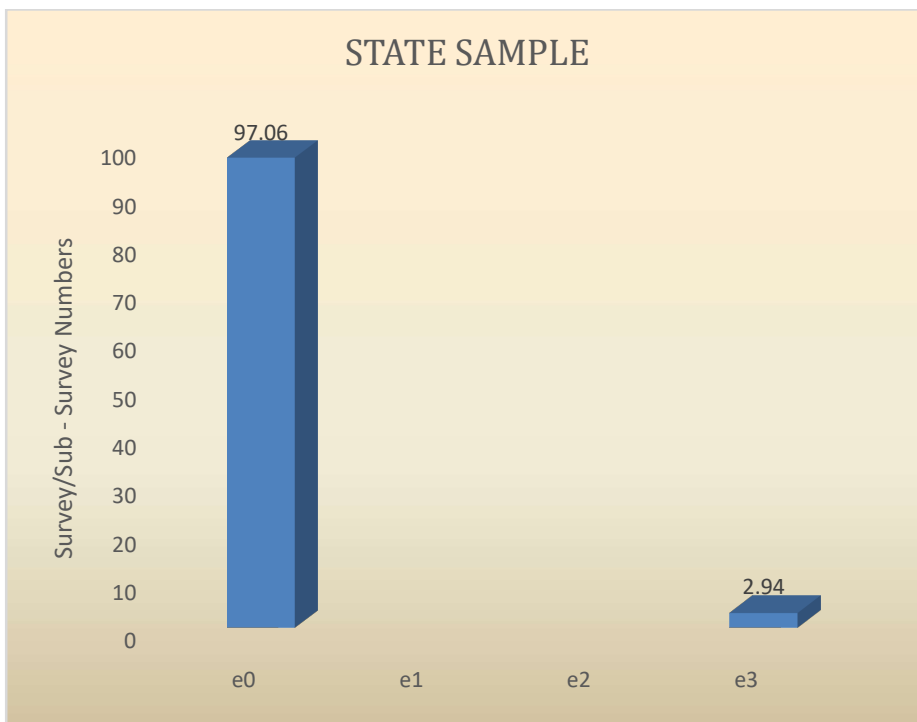
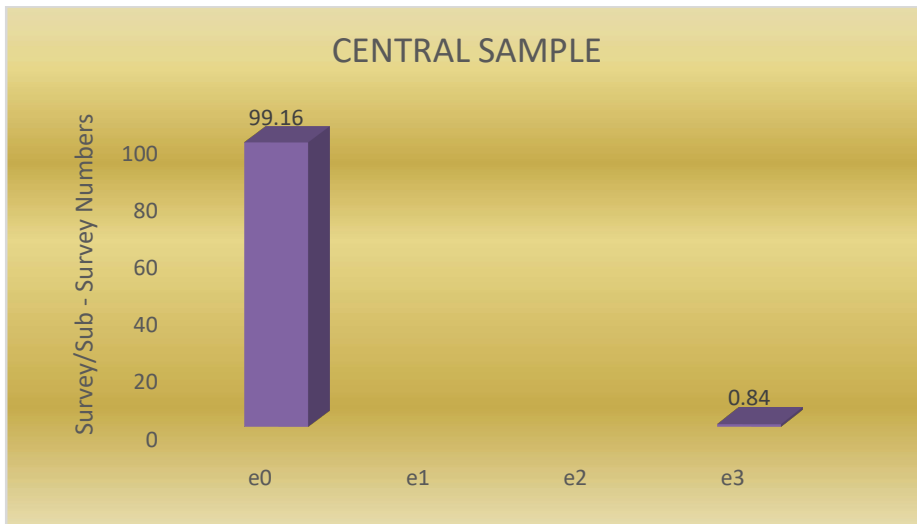


CHART-8

**TREND OF YIELD RATES OF RICE UNDER
ICS & GCES 2016-17 TO 2020-21**

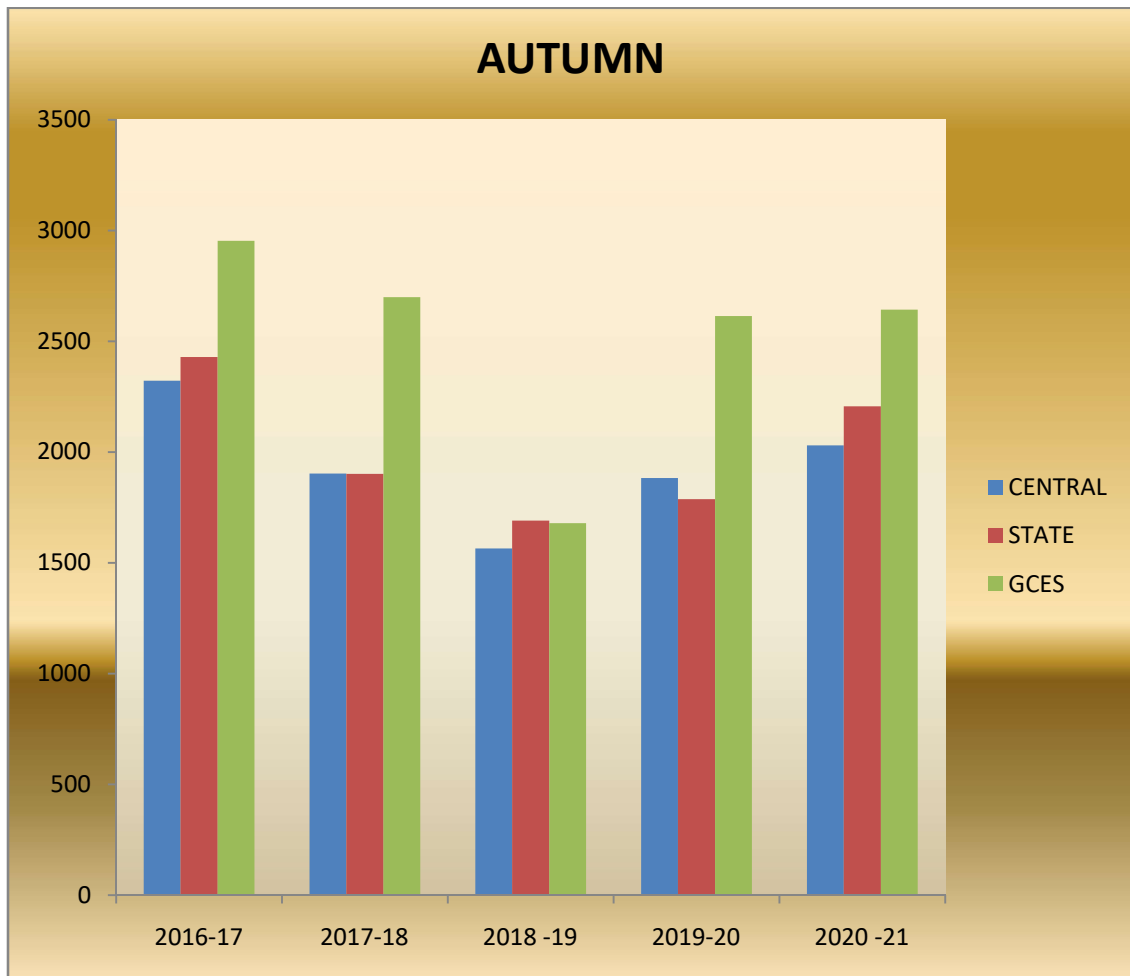


CHART-9

TREND OF YIELD RATES OF RICE UNDER ICS & GCES 2016-17 TO 2020-21

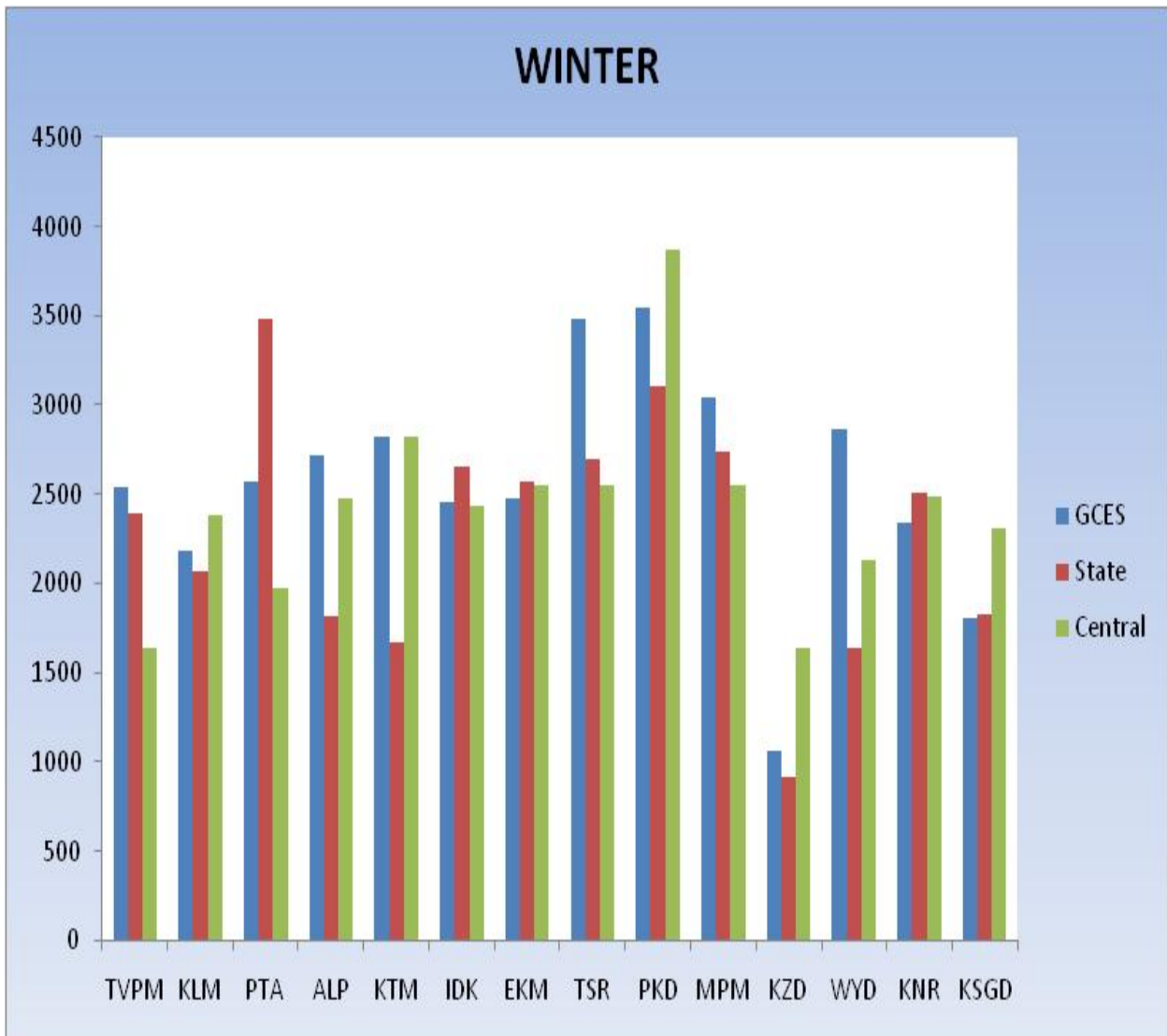


CHART-10

**TREND OF YIELD RATES OF RICE UNDER ICS & GCES
2016-17 TO 2020-21**

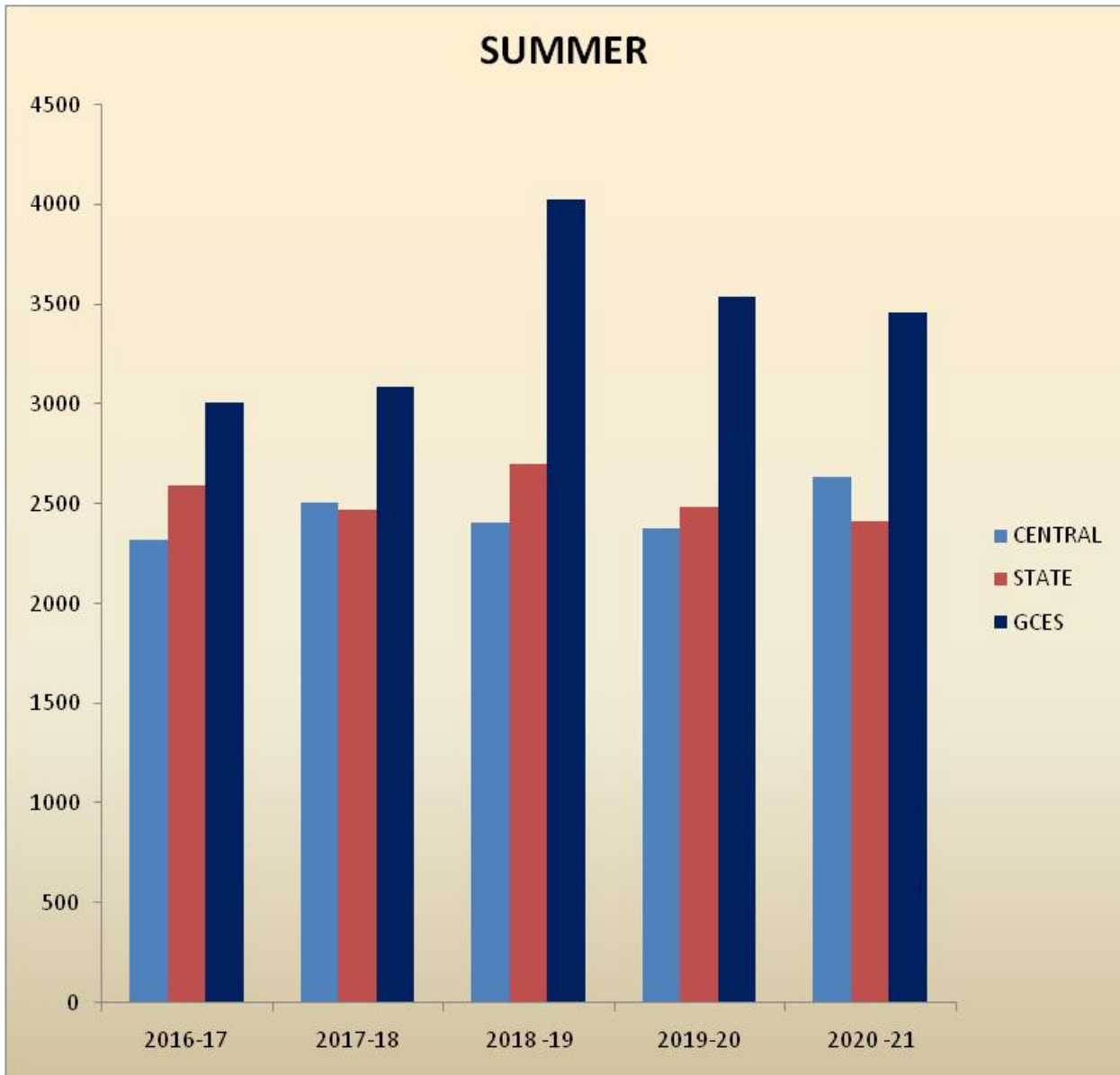


CHART-11

DISRTICTWISE YIELD RATES OF RICE- ICS & GCES

2020-21

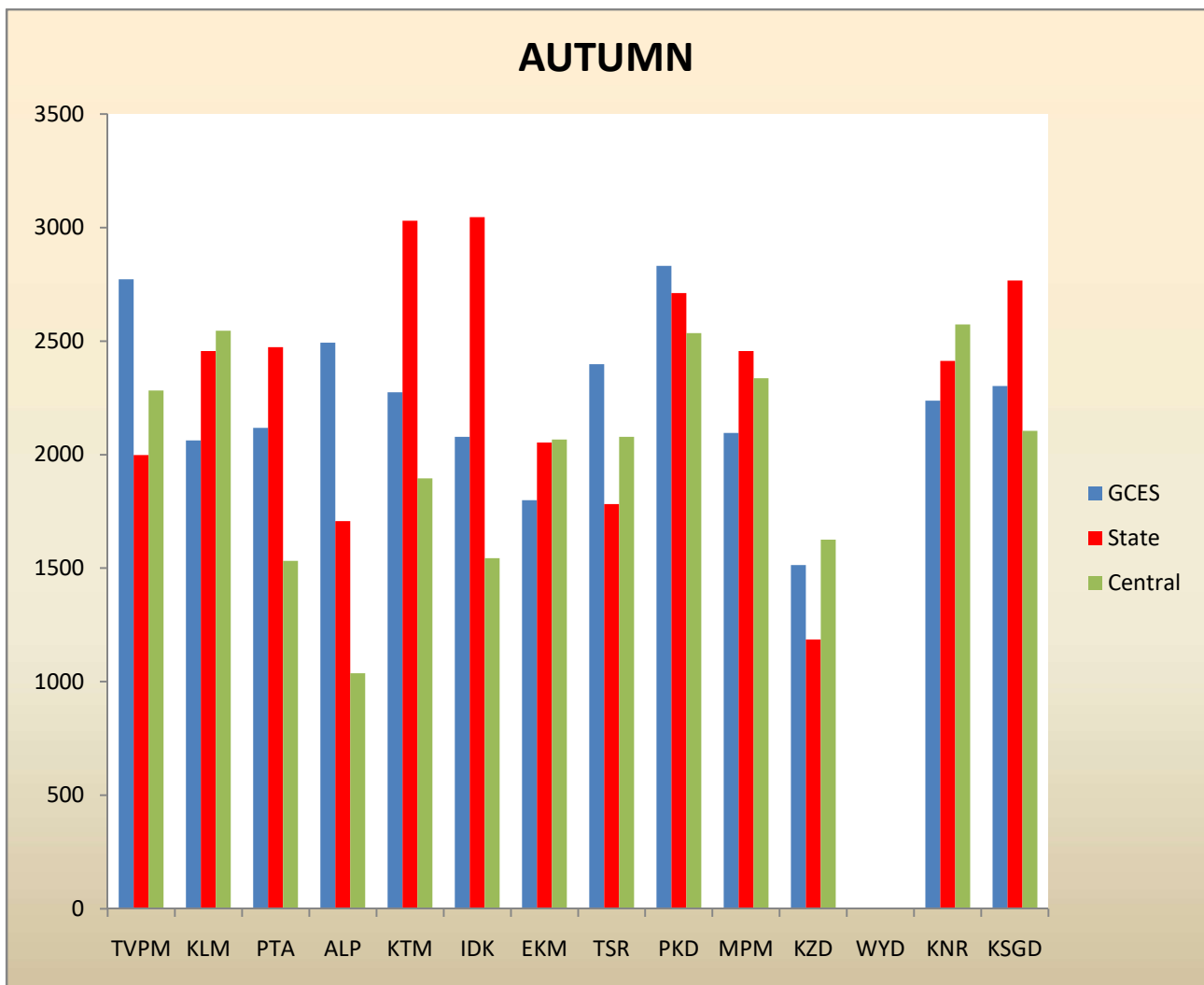


CHART-12

DISRTICTWISE YIELD RATES OF RICE- ICS & GCES

2020-21

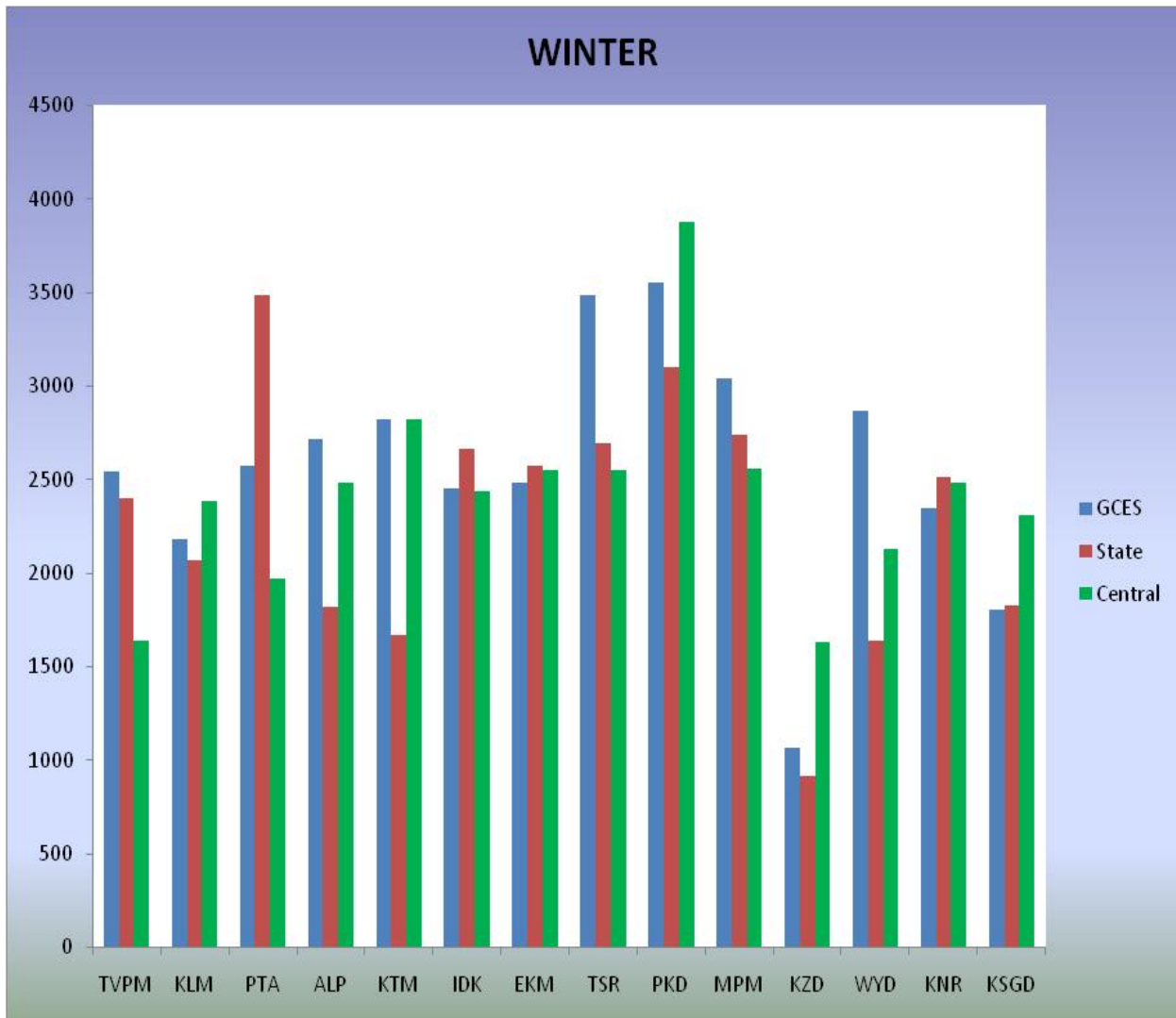


CHART-13
DISRTICTWISE YIELD RATES OF RICE- ICS & GCES
2020-21

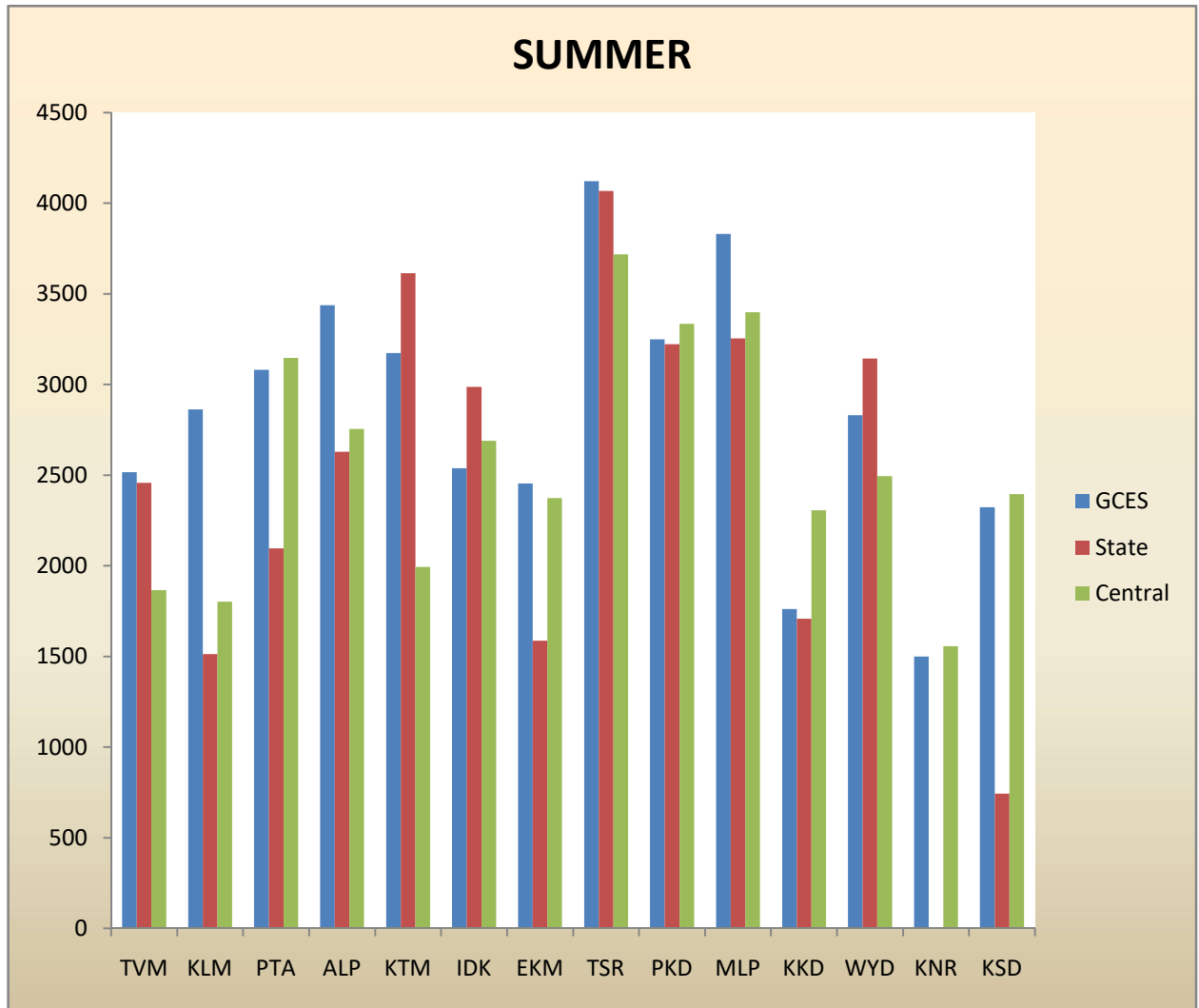


CHART-14
SEASONWISE YIELD RATE OF RICE UNDER GCES & ICS
2020-21

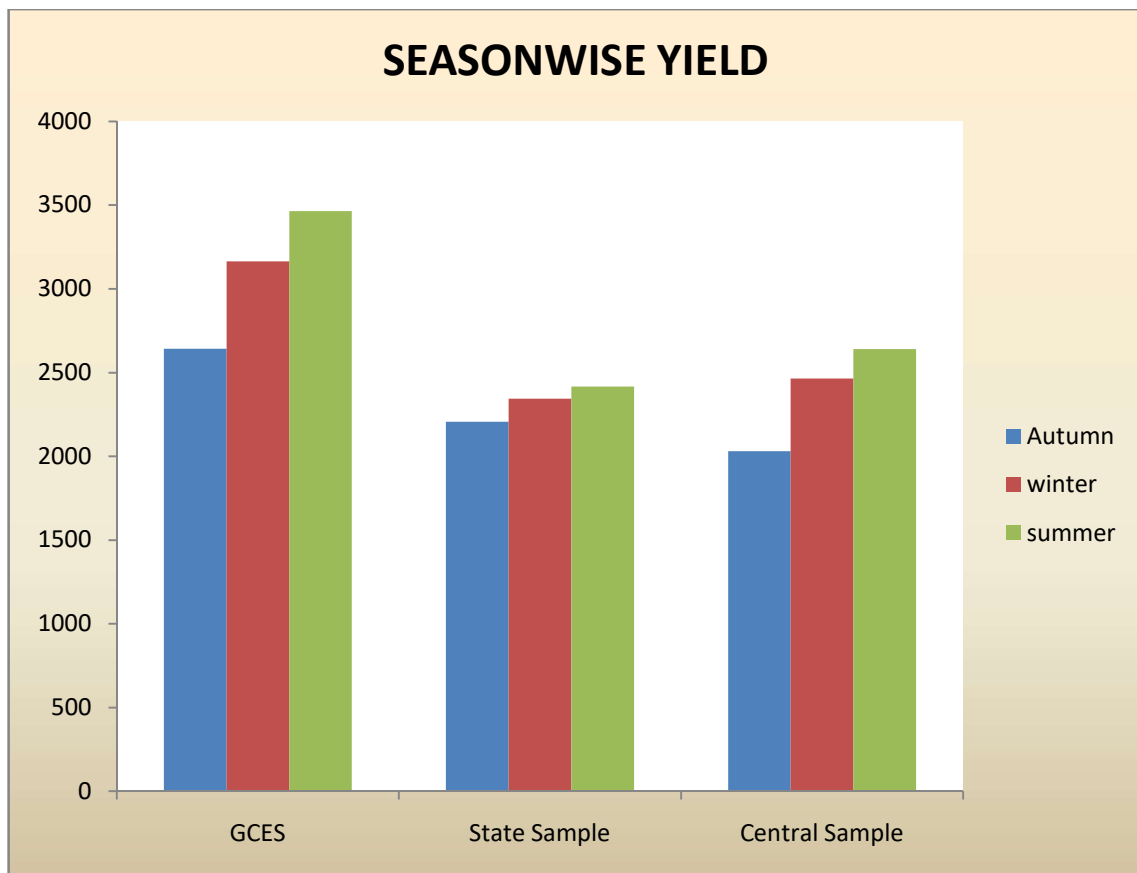


CHART-15

**DISTRICTWISE YIELD RATE OF TAPIOCA UNDER
GCES & ICS 2020-21**

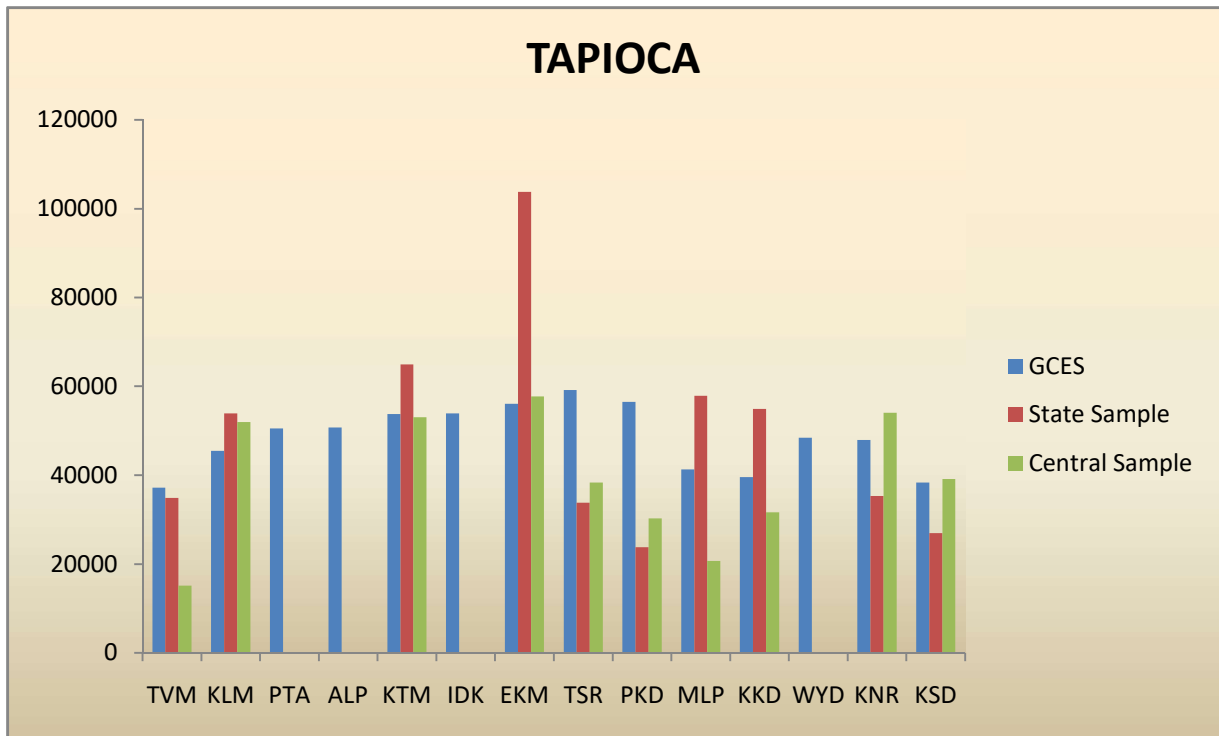


CHART-16
DISTRICTWISE YIELDRATE OF BANANA UNDER
GCES & ICS 2020-21

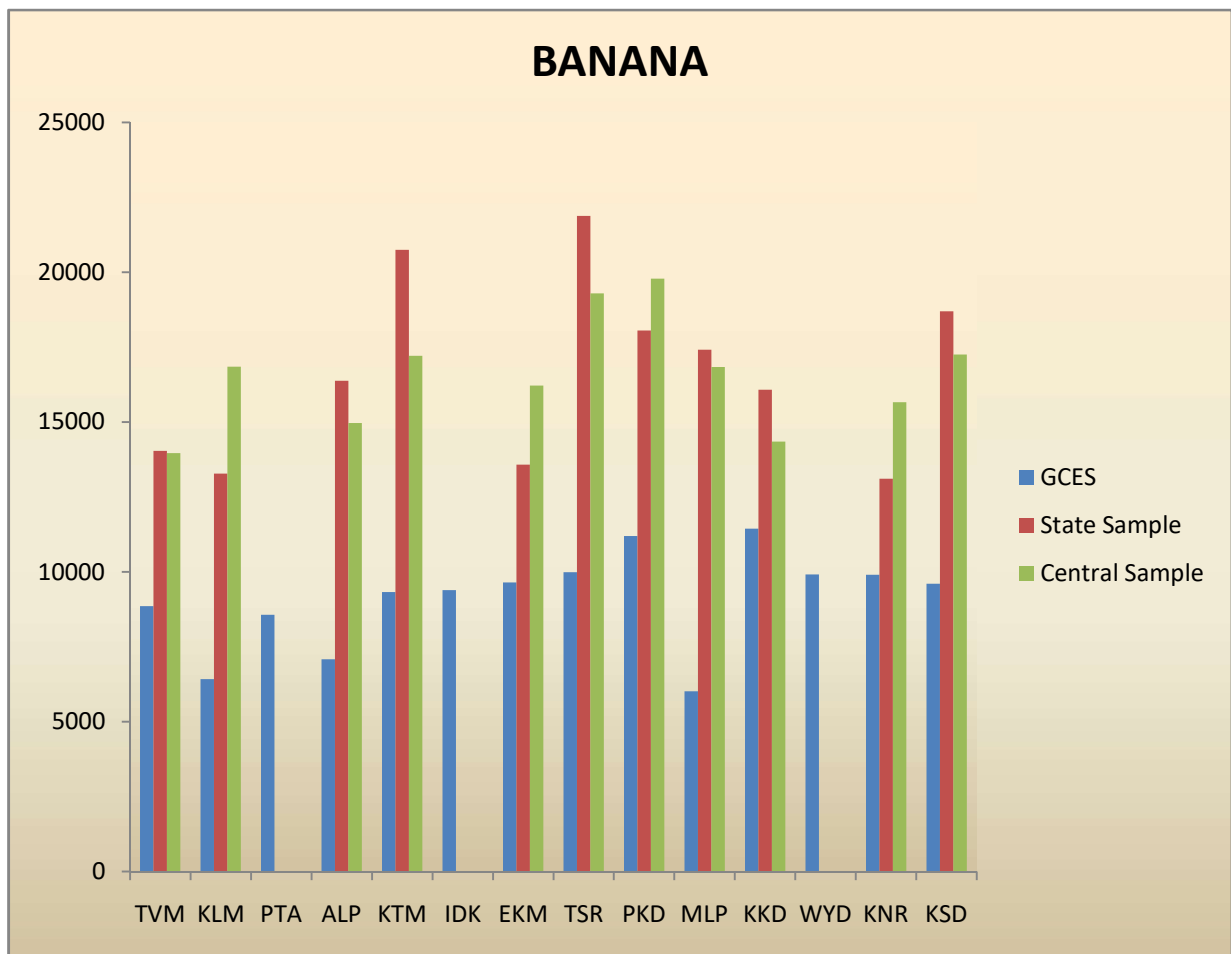


CHART-17
DISTRICTWISE YIELD RATE OF COCONUT UNDER
GCES & ICS 2020-21

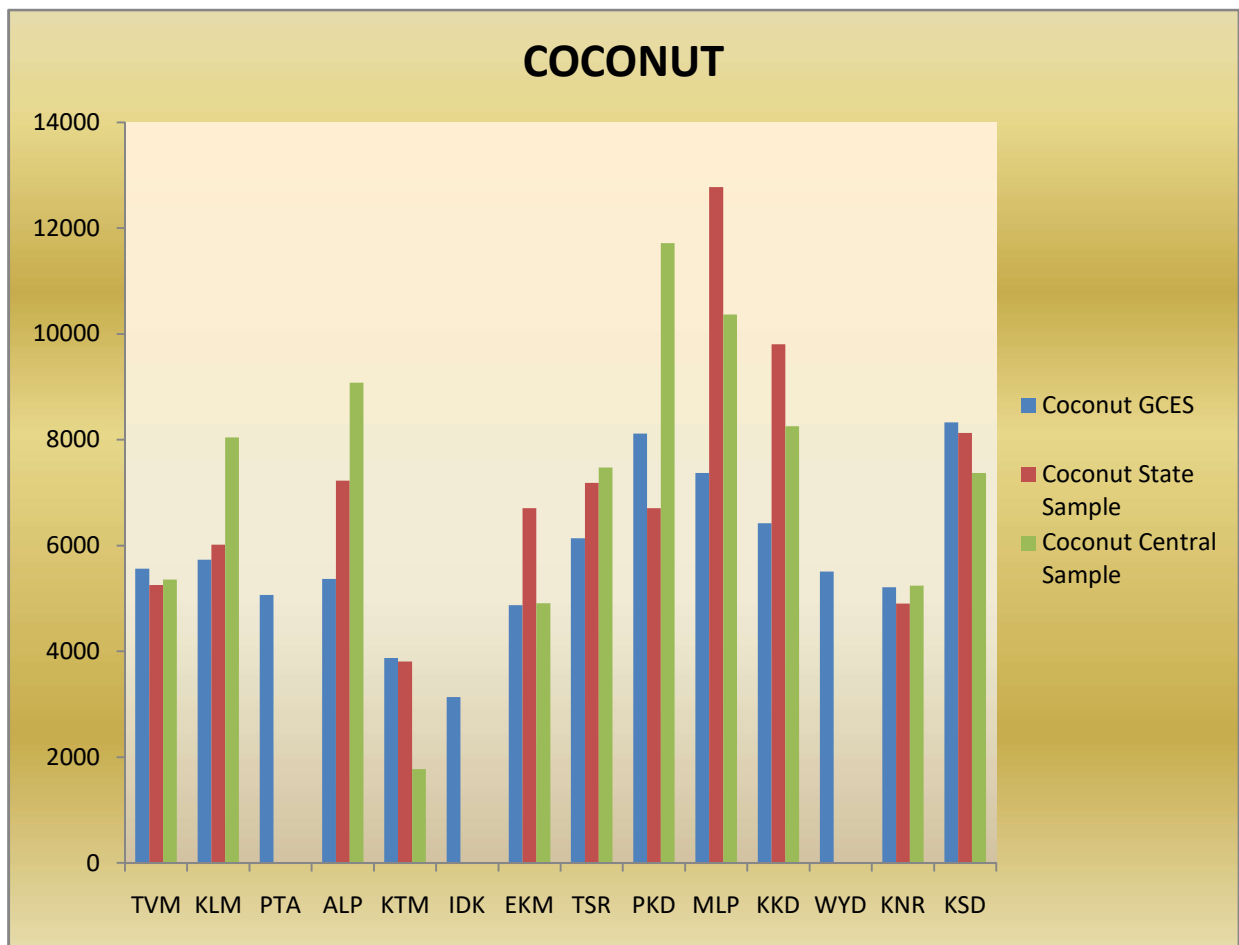


CHART-18
DISTRICTWISE YIELD RATE OF PEPPER UNDER
GCES & ICS 2020-21

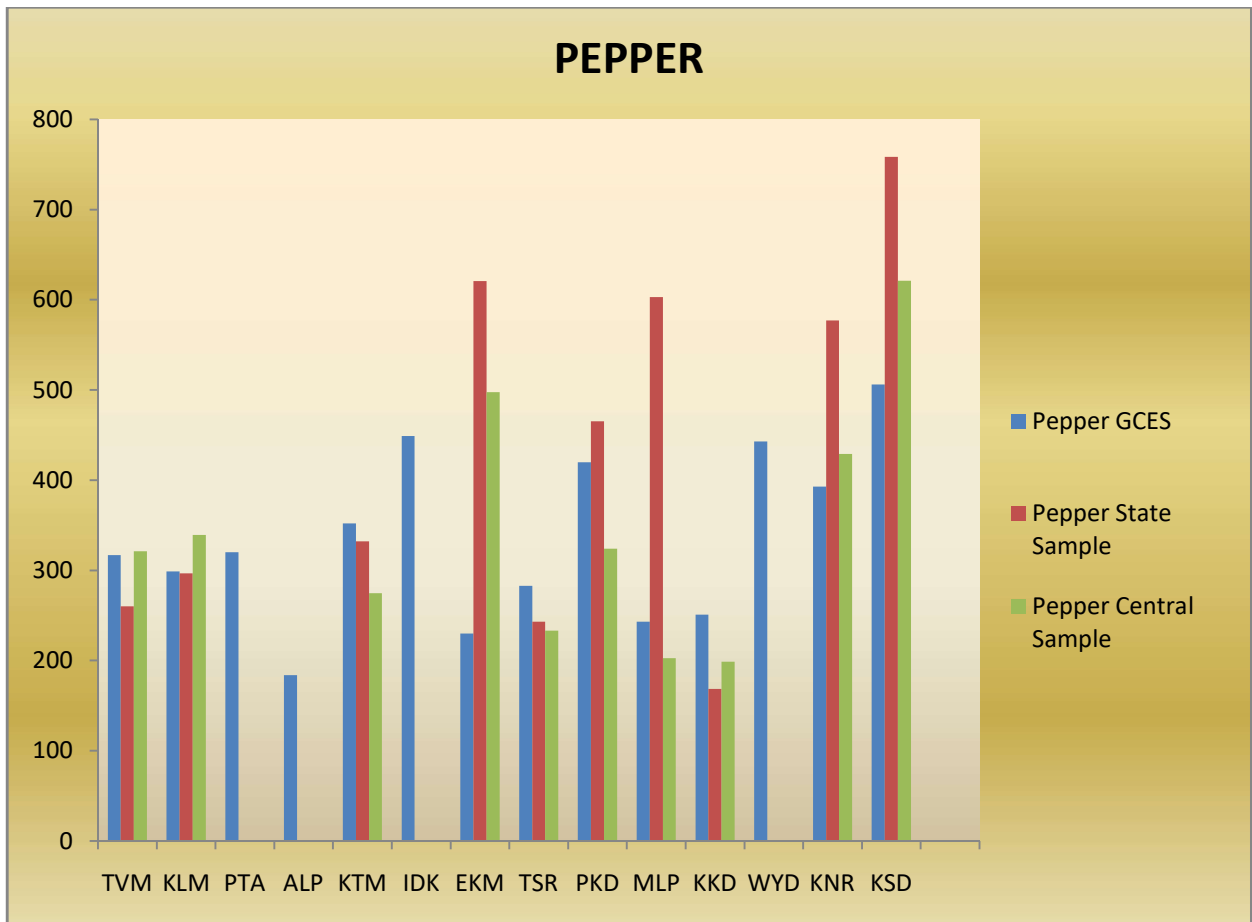


CHART-19
DISTRICTWISE YIELD RATE OF ARECANUT UNDER
GCES & ICS 2020-21

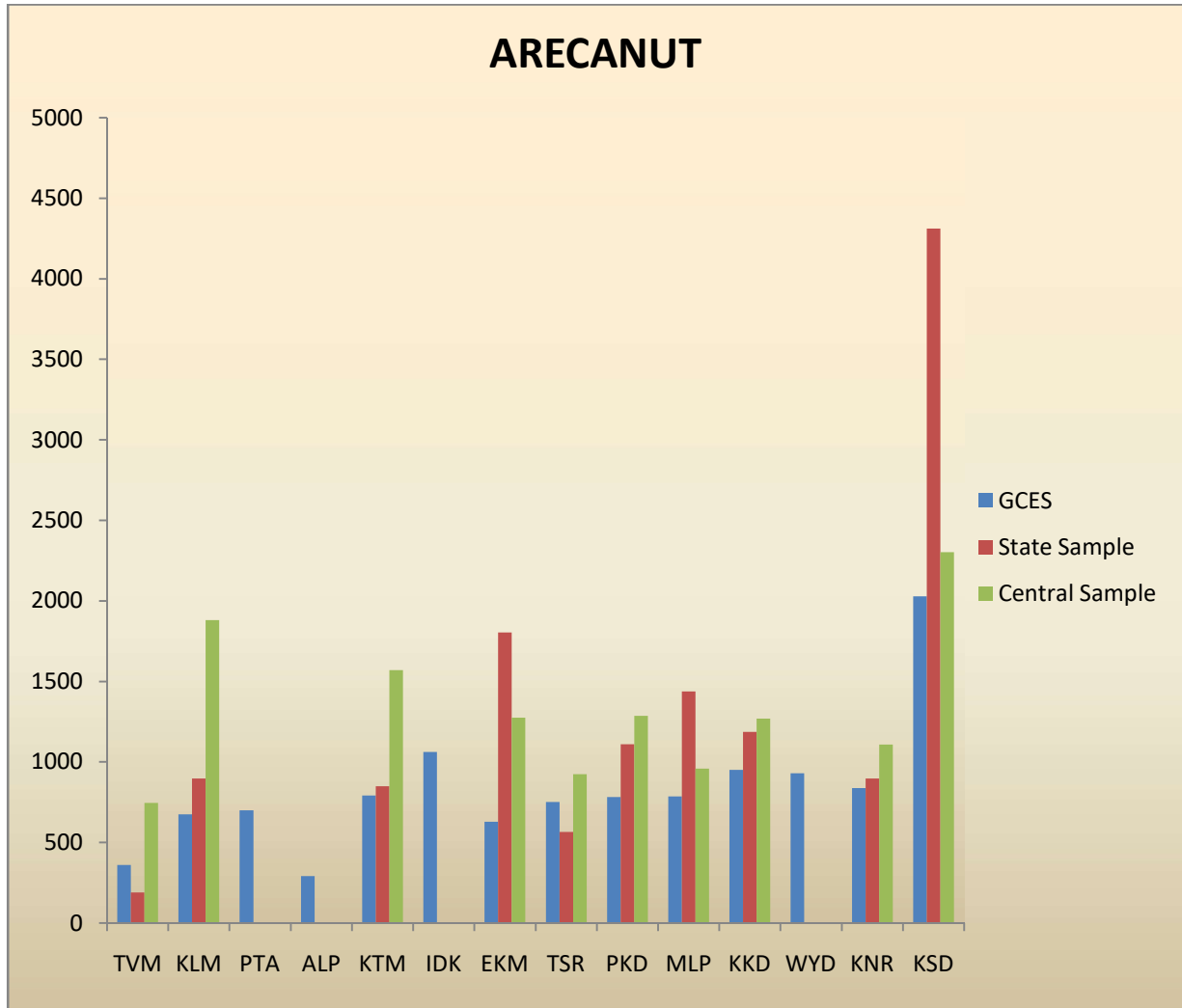


CHART-20

**CROPWISE YIELD RATE OF IMPORTANT CROPS UNDER
GCES & ICS 2020-21**

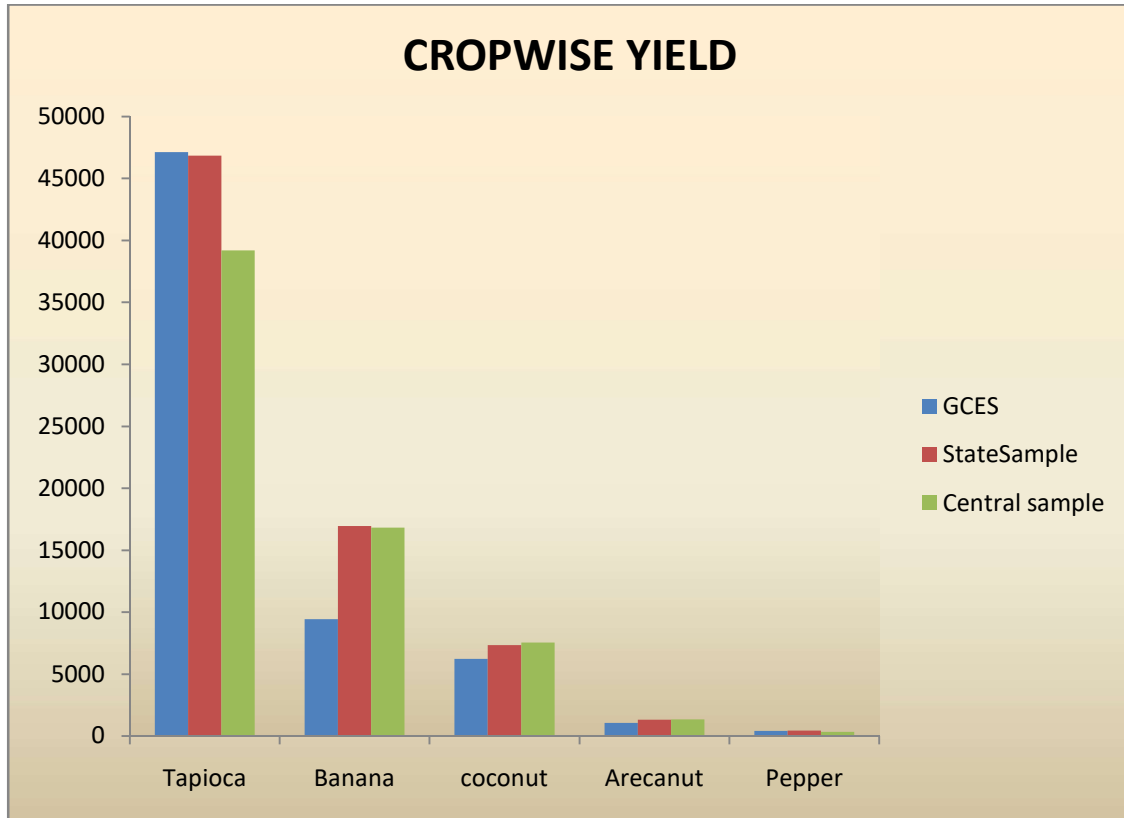


Table-1 (a)

RESPONSE IN SAMPLECHECK ON ENUMERATION OF AREA DURING 2020-21
Summer Dry

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

Table-2

TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2020-21

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	13	14	
1	Thiruvananthapuram	C	100				80	20				100		
		S	100				100					80	20	
2	Kollam	C	100				100					60	20	20
		S	40	60			100						100	
3	Pathanamthitta	C	100				100					100		
		S		100				100					100	
4	Alappuzha	C	100				100					100		
		S	100				100					66.67	33.33	
5	Kottayam	C	100				100					100		
		S	100				100					100		
6	Idukki	C	100				100					100		
		S	100				100					100		
7	Ernakulam	C	100				80		20			100		
		S	100				100					100		
8	Thrissur	C	100				80	20				100		
		S	20	80			20	80					100	
9	Palakkad	C	100				77.78	22.22				100		
		S	100				100					11.11	77.78	11.11
10	Malappuram	C	71.43		28.57		100					85.71		14.29
		S	100				100					100		
11	Kozhikode	C	50		50		100					100		
		S	100				100					100		
12	Wayanad	C	40		60		100					60	20	20
		S	100				100					100		
13	Kannur	C	100				100					71.43		28.57
		S	100				100					100		
14	Kasaragod	C	100				100					100		
		S	100				100					80		20
For District Covered		C	90		10		93.75	5	1.25			91.25	2.5	6.25
		S	87.5	12.5			91.25	8.75	1.25			70	27.5	2.5

Table-2 (a)

TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2020-21

Summer Dry

Sl. No.	District	Agency	Percentage of villages where girdawari was completed during			
			In Time	Late	But date of completion not known	Partially completed
1	2	3	4	5	6	7
1	Thiruvananthapuram	C	80	20		
		S	100			
2	Kollam	C	100			
		S		80	20	
3	Pathanamthitta	C	66.67		33.33	
		S		100		
4	Alappuzha	C	100			
		S		66.67	33.33	
5	Kottayam	C	42.86		57.14	
		S		100		
6	Idukki	C	50	12.5	37.5	
		S	100			
7	Ernakulam	C	80	20		
		S	100			
8	Thrissur	C		60	40	
		S	40	60		
9	Palakkad	C			100	
		S	100			
10	Malappuram	C	28.57	28.57	42.86	
		S	57.14	42.86		
11	Kozhikode	C	50		50	
		S	100			
12	Wayanad	C	40	20	40	
		S	100			
13	Kannur	C	100			
		S	100			
14	Kasaragod	C	100			
		S	20	80		
For District Covered		C	55	11.25	33.75	
		S	65	32.5	2.5	

Table-3

TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2020-21											
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 date of submission not known
				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			60	20	20			
			S			100					
		Winter	C			40	60				
			S			100					
		Summer	C			100					
			S			80	20				
2	Kollam	Autumn	C			100					
			S		20	40	40				
		Winter	C			80	20				
			S			100					
		Summer	C			60	20	20			
			S				100				
3	Pathanamthitta	Autumn	C			100					
			S	100							
		Winter	C			100					
			S	100							
		Summer	C			100					
			S	100							
4	Alappuzha	Autumn	C			66.67		33.33			
			S		100						
		Winter	C			100					
			S			100					
		Summer	C			100					
			S	33.33		66.67					
5	Kottayam	Autumn	C			14.29	85.71				
			S		100						
		Winter	C			57.14	14.29	28.57			
			S			100					
		Summer	C			14.29	85.71				
			S			100					

Table 3 contd...

Table-3

TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2020-21

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 date of submission not known		
				By due date	After due date	By due date	After due date						
1	2	3	4	5	6	7	8	9	10	11	12		
6	Idukki	Autumn	C			75	25						
			S			100							
		Winter	C			87.5	12.5						
			S			100							
		Summer	C			62.5	37.5						
			S	12.5		87.5							
7	Ernakulam	Autumn	C			100							
			S			100							
		Winter	C			100							
			S			100							
		Summer	C			100							
			S			100							
8	Thrissur	Autumn	C			100							
			S		20		80						
		Winter	C			80		20					
			S		80			20					
		Summer	C			80		20					
			S		40			60					
9	Palakkad	Autumn	C			33.33	66.67						
			S			88.89		11.11					
		Winter	C		22.22	44.44	33.33						
			S			88.89		11.11					
		Summer	C			100							
			S		66.67	11.11	22.22						
10	Malappuram	Autumn	C			71.43	28.57						
			S	57.14		42.86							
		Winter	C			85.71		14.29					
			S			85.71	14.29						
		Summer	C			100							
			S			71.43	28.57						

Table-3 contd....

Table-3

TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2020-21

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 date of submission not known
				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	Kozhikode	Autumn	C			83.33		16.67			
			S		100						
		Winter	C			83.33	16.67				
			S			100					
		Summer	C			100					
			S			100					
12	Wayanad	Autumn	C			100					
			S			100					
		Winter	C			60	40				
			S			100					
		Summer	C			40	40	20			
			S			100					
13	Kannur	Autumn	C			85.71	14.89				
			S			100					
		Winter	C			100					
			S			100					
		Summer	C			100					
			S			100					
14	Kasaragod	Autumn	C			100					
			S		20	80					
		Winter	C			100					
			S			100					
		Summer	C			80		20			
			S			80		20			
For District covered		Autumn	C			73.75	22.5	3.75			
			S	8.75	23.75	58.75	7.5	1.25			
		Winter	C		2.5	77.5	15	5			
			S	3.75	5	87.5	1.25	2.5			
		Summer	C			80	15	5			
			S	6.25	10	66.25	12.5	5			
C-Central Sample S-State Sample											

Table-3 (a)

TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2020-21

Summer Dry

Sl. No	District	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 date of submission not known	
			By due date	After due date	By due date	After due date					
1	2	3	4	5	6	7	8	9	10	11	
1	Thiruvananthapuram	C			60	20	20				
		S			100						
2	Kollam	C			60	20	20				
		S				80	20				
3	Pathanamthitta	C			33.33		66.67				
		S				100					
4	Alappuzha	C			66.67	33.33					
		S				66.67	33.33				
5	Kottayam	C			28.57	14.29	57.14				
		S				100					
6	Idukki	C			12.5		87.5				
		S			100						
7	Eranakulam	C		20	40	20	20				
		S			100						
8	Thrissur	C					100				
		S	20	40	20	20					
9	Palakkad	C					100				
		S			66.67		33.33				
10	Malappuram	C				14.29	85.71				
		S		42.85	42.86	14.29					
11	Kozhikode	C			50		50				
		S			100						
12	Wayanad	C			40	20	40				
		S			100						
13	Kannur	C			28.57	42.86	28.57				
		S			100						
14	Kasaragod	C		80	20						
		S			20	80					
For District covered		C		1.25	27.5	17.5	53.75				
		S	1.25	23.75	58.75	10	6.25				
C-Central Sample									S-State Sample		

Table-4
PERCENTAGE OF SURVEY NUMBERS IN WHICH ERRORS IN RECORDING CROP AREAS WERE OBSERVED:2020-21

Sl. No.	District	Agency	Percentage of survey numbers with different types of errors in enumeration of area during												
			AUTUMN				WINTER				SUMMER				
			e ₀	e ₁	e ₂	e ₃	e ₀	e ₁	e ₂	e ₃	e ₀	e ₁	e ₂	e ₃	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvananthapuram	C	100				100								
		S	75		25										
2	Kollam	C	100				100								
		S	100				100				100				
3	Pathanamthitta	C					100				100				
		S													
4	Alappuzha	C					100				100				
		S	100				100				100				
5	Kottayam	C					100				93.33				6.67
		S													
6	Idukki	C	100				100								
		S	100				96.55			3.45	80				20
7	Ernakulam	C					100				100				
		S	100				100				100				
8	Thrissur	C	100				100				100				
		S					100				96.97				3.03
9	Palakkad	C	100				100				100				
		S	100				100								
10	Malappuram	C	100				100				100				
		S	100				86.84			13.16					
11	Kozhikode	C	100				96.15	3.85			100				
		S	100				100				100				
12	Wayanad	C					100				100				
		S					74.07	25.93			100				
13	Kannur	C	100				100				100				
		S	100				93.1			6.9	100				
14	Kasaragod	C	100				100				100				
		S	88.24			11.76	92.86			7.14	100				
For District covered		C	100				99.66	0.34			99.16				0.84
		S	98.15		0.62	1.23	92.9	3.97		3.13	97.06				2.94
C-Central Sample S-State Sample															
e ₀ - No error e ₁ -Non reporting of crops actually grown e ₂ -Reporting of crops actually not grown															
e ₃ -Reporting incorrect area of crops															

Table 5(a)

**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY
DURING 2020-21
AUTUMN**

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		93.75	6.25										
		S		75	25										
2	Kollam	C		100											
		S		87.5	14.29										
3	Pathanamthitta	C													
		S													
4	Alappuzha	C													
		S		100											
5	Kottayam	C													
		S													
6	Idukki	C		100											
		S		100											
7	Ernakulam	C													
		S		100											
8	Thrissur	C		100											
		S													
9	Palakkad	C		100											
		S		100											
10	Malappuram	C		100											
		S		100											
11	Kozhikode	C		100											
		S		100											
12	Wayanad	C													
		S													
13	Kannur	C		80.43	19.57										
		S		100											
14	Kasargod	C		90.91	9.09										
		S		94.12	5.88										
For District Covered		C		90.98	9.02										
		S		98.15	1.85										
C-Central Sample S-State Sample HY-High Yielding Seed L-Local variety seed NR-Non reporting															

Table-5(w)
DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF
PADDY DURING 2020-21
WINTER

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													
2	Kollam	C		100											
		S		86.67	13.33										
3	Pathanamthitta	C		100											
		S													
4	Alappuzha	C		100											
		S		100											
5	Kottayam	C		100											
		S													
6	Idukki	C		100											
		S		93.1	6.9										
7	Ernakulam	C		100											
		S		100											
8	Thrissur	C		100											
		S		100											
9	Palakkad	C		100											
		S		91.3	8.67										
10	Malappuram	C		30.77	69.23										
		S		73.68	26.32										
11	Kozhikode	C		61.54	34.62								3.84		
		S		30.43	69.57										
12	Wayanad	C		88	12										
		S		74.07	25.93										
13	Kannur	C		80	20										
		S		93.1	6.9										
14	Kasaragod	C		12.5	87.5										
		S		21.43	78.57										
For District covered		C		80.54	19.13								0.33		
		S		80.97	19.03										
C-Central Sample S-State Sample															
HY-High Yielding Seed L-Local variety seed NR-Non reporting															

Table-5(S)
DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY
DURING 2020-21
SUMMER

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													
		S													
2	Kollam	C			100										
		S													
3	Pathanamthitta	C		100											
		S													
4	Alappuzha	C		100											
		S		100											
5	Kottayam	C		100											
		S													
6	Idukki	C													
		S		80	20										
7	Ernakulam	C		100											
		S		100											
8	Thrissur	C		100											
		S		100											
9	Palakkad	C		100											
		S													
10	Malappuram	C		100											
		S													
11	Kozhikode	C		100											
		S		100											
12	Wayanad	C		100											
		S		100											
13	Kannur	C		100											
		S			100										
14	Kasaragod	C		100											
		S		100											
For District covered		C		100											
		S		95.59	4.41										

C-Central Sample S-State Sample
HY-High Yielding Seed L-Local variety seed NR-Non reporting

Table-5
DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF
PADDY DURING 2020-21
Summer Dry

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													
		S													
2	Kollam	C													
		S													
3	Pathanamthitta	C													
		S													
4	Alappuzha	C													
		S													
5	Kottayam	C													
		S													
6	Idukki	C													
		S													
7	Ernakulam	C													
		S													
8	Thrissur	C													
		S													
9	Palakkad	C													
		S		75	25	100									
10	Malappuram	C													
		S													
11	Kozhikode	C													
		S													
12	Wayanad	C													
		S													
13	Kannur	C													
		S													
14	Kasaragod	C													
		S													
For District covered		C													
		S		75	25	100									

C-Central Sample S-State Sample

HY-High Yielding Seed L-Local variety seed NR-Non reporting

Table-6
RESPONSE IN SAMPLECHECK ON CROP CUTTING EXPERIMENTS FOR PADDY
DURING 2020-21

Sl. No.	District	Agency	AUTUMN		WINTER		SUMMER		ANNUAL	
			No of Expts Planned	% of Response	No of Expts Planned	% of Response	No of Expts Planned	% of Response	No of Expts Planned	% of 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	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
4	Alappuzha	C	8	100	8	100	8	100	24	100
		S	8	100	8	100	8	100	24	100
5	Kottayam	C	6	100	6	100	6	100	18	100
		S	6	100	6	100	6	100	18	100
6	Idukki	C	4	100	4	100	4	100	12	100
		S	4	100	4	100	4	100	12	100
7	Ernakulam	C	10	100	10	100	10	100	30	100
		S	10	100	10	100	10	100	30	100
8	Thrissur	C	8	100	8	100	8	87.5	24	95.83
		S	8	100	8	100	8	100	24	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	Kozhikode	C	12	100	8	100	8	100	28	100
		S	12	100	8	100	8	100	28	100
12	Wayanad	C			4	100	4	100	8	100
		S			4	100	4	100	8	100
13	Kannur	C	8	100	8	100	4	75	20	95
		S	8	100	8	100	8	0	24	66.67
14	Kasaragod	C	4	100	4	100	8	100	16	100
		S	4	100	4	100	12	100	20	100
For District covered		C	100	100	100	100	100	98	300	99.33
		S	100	100	100	100	100	100	300	100

No autumn paddy in Wayanad district. Substituted to Kozhikode

Table-7(i)

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2020-21

Paddy-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	87.5
		S		8	100	100	100
		C	T	8	100	100	87.5
		S		8	100	100	100
2	Kollam	C	H	6	16.67	100	100
		S		6		100	
		C	T	6	16.67	100	100
		S		6		100	
3	Pathanamthitta	C	H	6	100	83.33	66.67
		S		6	100	100	100
		C	T	6	100	83.33	66.67
		S		6	100	100	100
4	Alappuzha	C	H	8	25	37.5	25
		S		8	62.5	75	50
		C	T	8	25	37.5	25
		S		8	62.5	75	50
5	Kottayam	C	H	6	100	100	100
		S		6	100	100	100
		C	T	6	100	100	100
		S		6	100	100	100
6	Idukki	C	H	4	100	50	100
		S		4	100	100	75
		C	T	4	100	50	100
		S		4	100	100	75
7	Ernakulam	C	H	10	70	100	100
		S		10	80	80	80
		C	T	10	70	100	100
		S		10	80	80	80
8	Thrissur	C	H	8		100	87.5
		S		8		100	87.5
		C	T	8		100	87.5
		S		8		100	87.5

Table-7(i) contd...

Table-7(i)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2020-21**

Paddy-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		100	90
		S		10	20	100	80
		C	T	10		100	90
		S		10	20	100	80
10	Malappuram	C	H	10	20	80	60
		S		10		100	90
		C	T	10	20	80	60
		S		10		100	90
11	Kozhikode	C	H	12	25	83.33	66.67
		S		12		75	41.67
		C	T	12	25	83.33	66.67
		S		12		75	41.67
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	8		100	87.5
		S		8		75	100
		C	T	8		100	87.5
		S		8		75	100
14	Kasargod	C	H	4		100	100
		S		4		100	100
		C	T	4		100	100
		S		4		100	100
	For District covered	C	H	100	39	88	80
		S		100	39	91	76
		C	T	100	39	88	80
		S		100	39	91	76

*No Autumn Paddy in Wayanad district.

Table-7(ii)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2020-21**

Paddy-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	87.5	100
		S		8	100	100	100
		C	T	8	100	87.5	100
		S		8	100	100	100
2	Kollam	C	H	6	83.33	83.33	83.33
		S		6		66.67	
		C	T	6	83.33	83.33	83.33
		S		6		66.67	
3	Pathanamthitta	C	H	6	66.67	100	33.33
		S		6	100	100	100
		C	T	6	66.67	100	33.33
		S		6	100	100	100
4	Alappuzha	C	H	8	50	62.5	75
		S		8	75	75	75
		C	T	8	50	62.5	75
		S		8	75	75	75
5	Kottayam	C	H	6	10	100	100
		S		6	100	100	100
		C	T	6	100	100	100
		S		6	100	100	100
6	Idukki	C	H	4	100	100	100
		S		4	100	100	75
		C	T	4	100	100	100
		S		4	100	100	75
7	Ernakulam	C	H	10	90	100	100
		S		10	100	100	90
		C	T	10	90	100	100
		S		10	100	100	90
8	Thrissur	C	H	8	100	87.5	87.5
		S		8	62.5	62.5	100
		C	T	8	100	87.5	87.5
		S		8	62.5	62.5	100

Table-7(ii) contd.....

Table-7(ii)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2020-21**

Paddy-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	100
		S		10	90	80	100
		C	T	10	100	100	100
		S		10	90	80	100
10	Malappuram	C	H	10	40	70	80
		S		10	40	80	100
		C	T	10	40	70	80
		S		10	40	80	100
11	Kozhikode	C	H	8	37.5	37.5	62.5
		S		8		12.5	75
		C	T	8	37.5	37.5	62.5
		S		8		12.5	75
12	Wayanad	C	H	4	100	50	50
		S		4		25	
		C	T	4	100	50	50
		S		4		25	
13	Kannur	C	H	8	87.5	87.5	87.5
		S		8	100	75	100
		C	T	8	87.5	87.5	87.5
		S		8	100	75	100
14	Kasaragod	C	H	4	100	25	25
		S		4	100	25	25
		C	T	4	100	25	25
		S		4	100	25	25
For Districts covered		C	H	100	80	80	81
		S		100	70	74	81
		C	T	100	80	80	81
		S		100	70	74	81

Table-7(iii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2020-21
Paddy-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	75	87.5
		S		8	100	100	100
		C	T	8	100	75	87.5
		S		8	100	100	100
2	Kollam	C	H	6	33.33	100	100
		S		6	100	100	
		C	T	6	33.33	100	100
		S		6	100	100	
3	Pathanamthitta	C	H	6	100	100	100
		S		6	100	100	100
		C	T	6	100	100	100
		S		6	100	100	100
4	Alappuzha	C	H	8	100	100	100
		S		8	100	100	100
		C	T	8	100	100	100
		S		8	100	100	100
5	Kottayam	C	H	6	100	100	100
		S		6	100	100	100
		C	T	6	100	100	100
		S		6	100	100	100
6	Idukki	C	H	4	100	100	100
		S		4	100	100	50
		C	T	4	100	100	100
		S		4	100	100	50
7	Ernakulam	C	H	10	100	100	100
		S		10	100	90	100
		C	T	10	100	100	100
		S		10	100	90	100
8	Thrissur	C	H	7	100	100	75
		S		8	100	100	100
		C	T	8	87.5	87.5	75
		S		8	100	100	100

Table 7(iii) contd....

Table-7(iii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2020-21

Paddy-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	100
		S		10	100	100	100
		C	T	10	100	100	100
		S		10	100	100	100
10	Malappuram	C	H	10	100	100	100
		S		10	100	100	80
		C	T	10	100	100	100
		S		10	100	100	80
11	Kozhikode	C	H	8	100	75	87.5
		S		8	100	100	75
		C	T	8	100	75	87.5
		S		8	100	100	75
12	Wayanad	C	H	4	100	100	50
		S		4	100	100	75
		C	T	4	100	100	50
		S		4	100	100	75
13	Kannur	C	H	3	75	75	75
		S		0			
		C	T	4	75	75	75
		S		4			
14	Kasargod	C	H	8	100	87.5	75
		S		12	100	66.67	83.33
		C	T	8	100	87.5	75
		S		8	100	66.67	83.33
For District covered		C	H	98	94.89	94.9	92.86
		S		100	100	95	85
		C	T	100	94.89	94.9	92.86
		S		100	100	95	85

One C.C lost in Thrissur and Kannur district each due to lockdown. (Central Sample)

All CC of Kannur district substituted to Kasargod district (State Sample)

Table-7(iv)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2020-21
Tapioca

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

To be contd.....

Table-7(iv)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2020-21
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	75	50	
		S		4	100	25	75
		C	T	4	75	50	
		S		4	100	25	75
10	Malappuram	C	H	4	75	50	50
		S		4	25		
		C	T	4	75	50	50
		S		4	25		
11	Kozhikode	C	H	4	50	50	25
		S		4		75	25
		C	T	4	50	50	25
		S		4		75	25
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	50	25	
		S		4	50		50
		C	T	4	50	25	
		S		4	50		50
14	Kasaragod	C	H	4	50		
		S		4			
		C	T	4	50		
		S		4			
For District covered		C	H	40	45	45	35
		S		40	30	22.5	22.5
		C	T	40	45	45	35
		S		40	30	22.5	22.5

Table-7(v)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2020-21
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
1	Thiruvananthapuram	C	H	4			
		S		4			
		C	T	4			
		S		4			
2	Kollam	C	H	4			
		S		4			
		C	T	4			
		S		4			
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alappuzha	C	H				
		S					
		C	T				
		S					
5	Kottayam	C	H	4		100	
		S		4			
		C	T	4		100	
		S		4			
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Ernakulam	C	H	4	25		25
		S		4			
		C	T	4	25		25
		S		4			
8	Thrissur	C	H	4	100	25	25
		S		4	100	25	
		C	T	4	100	25	25
		S		4	100	25	

To be contd....

Table-7(v)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2020-21
Pepper

Sl. No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	25	50	
		S		4	75	50	25
		C	T	4	25	50	
		S		4	75	50	25
10	Malappuram	C	H	4		25	
		S		4		25	50
		C	T	4		25	
		S		4		25	50
11	Kozhikode	C	H	4			
		S		4			
		C	T	4			
		S		4			
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	50	50	
		S		4	50	25	
		C	T	4	50	50	
		S		4	50	25	
14	Kasaragod	C	H	4	100		
		S		4	50	50	50
		C	T	4	100		
		S		4	50	50	50
For District covered		C	H	40	30	25	5
		S		40	27.5	17.5	12.5
		C	T	40	30	25	5
		S		40	27.5	17.5	12.5

Table-7(vi)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2020-21
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
1	Thiruvananthapuram	C	H	4	75		75
		S		4	100		25
		C	T	4	75		75
		S		4	100		25
2	Kollam	C	H	4	75		50
		S		4			
		C	T	4	75		50
		S		4			
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alappuzha	C	H	4	100		50
		S		4	100		5
		C	T	4	100		50
		S		4	100		50
5	Kottayam	C	H	4	50		100
		S		4	50		75
		C	T	4	50		100
		S		4	50		75
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Eranakulam	C	H	4	50		75
		S		4	100		50
		C	T	4	50		75
		S		4	100		50
8	Thrissur	C	H	6	83.33	33.33	100
		S		6	100	33.33	50
		C	T	6	83.33	33.33	100
		S		6	100	33.33	50

Table-7(vi) contd...

Table-7(vi)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2020-21
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	100		100
		S		6	100	33.33	83.33
		C	T	6	100		100
		S		6	100	33.33	83.33
10	Malappuram	C	H	6	100	33.33	66.67
		S		6	50		16.67
		C	T	6	100	33.33	66.67
		S		6	50		16.67
11	Kozhikode	C	H	4	100	25	100
		S		4	100		100
		C	T	4	100	25	100
		S		4	100		100
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	100		75
		S		4	100		25
		C	T	4	100		75
		S		4	100		25
14	Kasaragod	C	H	4	100		50
		S		4	100		25
		C	T	4	100		50
		S		4	100		25
For District covered		C	H	50	86	10	78
		S		50	82	8	46
		C	T	50	86	10	78
		S		50	82	8	46

Table-7(vii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2020-21
Coconut

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
		S		4			
		C	T	4			50
		S		4			
2	Kollam	C	H	4			
		S		4			
		C	T	4			
		S		4			
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alappuzha	C	H	4			
		S		4			50
		C	T	4			
		S		4			50
5	Kottayam	C	H	4			25
		S		4			
		C	T	4			25
		S		4			
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Eranakulam	C	H	4	100		100
		S		4	25		
		C	T	4	100		100
		S		4	25		
8	Thrissur	C	H	6	83.33	16.67	33.33
		S		6	100		
		C	T	6	83.33	16.67	33.33
		S		6	100		

Table-7(vii) contd....

Table-7(vii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2020-21
Coconut

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		16.67
		S		6	33.33		
		C	T	6	33.33		16.67
		S		6	33.33		
10	Malappuram	C	H	6	50		16.67
		S		6	33.33		
		C	T	6	50		16.67
		S		6	33.33		
11	Kozhikode	C	H	4	50		
		S		4			
		C	T	4	50		
		S		4			
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	50		
		S		4	75		25
		C	T	4	50		
		S		4	75		25
14	Kasaragod	C	H	4	100		
		S		4	50		50
		C	T	4	100		
		S		4	5		50
For District covered		C	H	50	44	2	22
		S		50	32		10
		C	T	50	44	2	22
		S		50	32		10

Table-7(viii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2020-21

Arecanut

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

Table 7(iii) contd...

Table-7(viii)							
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2020-21							
Arecanut							
Sl. No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	100	50	50
		S		4	75	50	25
		C	T	4	100	50	50
		S		4	75	50	25
10	Malappuram	C	H	4			
		S		4	25		
		C	T	4			
		S		4	25		
11	Kozhikode	C	H	4	25	25	
		S		4			
		C	T	4	25	25	
		S		4			
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	50		
		S		4	25		
		C	T	4	50		
		S		4	25		
14	Kasaragod	C	H	4	75		
		S		4	100	50	50
		C	T	4	75		
		S		4	100	50	50
	For District covered	C	H	40	45	15	7.5
		S		40	40	12.5	7.5
		C	T	40	45	15	7.5
		S		40	40	12.5	7.5

Table 8(i)

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

STATE: KERALA

YEAR: 2020-21

STATE SAMPLE

SEASON: AUTUMN

CROP: PADDY

Sl. No.	District	No. of Experiments		At postharvest	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	6	6				
4	Alappuzha	8	8				
5	Kottayam	6	6				
6	Idukki	4	4				
7	Ernakulam	10	10				
8	Thrissur	8	8				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	12				
12	Wayanad	4	*				
13	Kannur	8	8				
14	Kasargod	4	4				
Total for all crops		100	100				

• There is no autumn paddy in Wayanad district and substituted to Kozhikode district.

Table 8(ii)							
CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED							
STATE: KERALA		YEAR: 2020-21		CENTRAL SAMPLE			
		SEASON: AUTUMN		CROP: PADDY			
Sl. No.	District	No. of Experiments		At postharvest	Lost	Rejected for analysis	For which schedules are not received
		Planned	Checked at harvest				
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
1	Thiruvananthapuram	8	8				
2	Kollam	6	6				
3	Pathanamthitta	6	6				
4	Alappuzha	8	8				
5	Kottayam	6	6				
6	Idukki	4	4				
7	Eranakulam	10	10				
8	Thrissur	8	8				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	12				
12	Wayanad	4	*				
13	Kannur	8	8				
14	Kasaragod	4	4				
Total for all crops		100	100				
<ul style="list-style-type: none"> • There is no autumn paddy in Wayanad district and substituted to Kozhikode district. 							

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

STATE: KERALA YEAR: 2020-21 SEASON: AUTUMN PADDY STATE SAMPLE																				
Sl. No.	District	No. of expts. Checked at harvest	HY varieties						Other varieties						Both HY & Others					
			Irrigated		Un-irrigated		Total		Irrigated		Un-irrigated		Total		Irrigated		Un-irrigated		Total	
			No. of 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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	8	8	3040.35	0	0	8	3040.35	0	0	0	0	0	0	8	3040.35	0	0	8	3040.35
2	Kollam	6	0	0	6	3737.65	6	3737.65	0	0	0	0	0	0	0	0	6	3733.65	6	3737.65
3	Pathanamthitta	6	6	3765	0	0	6	3765	0	0	0	0	0	0	6	3765	0	0	6	3765
4	Alappuzha	8	5	2578.56	1	4110.53	6	2833.89	0	0	2	1896	2	1896	5	2578.56	3	2634.18	8	2599.42
5	Kottayam	6	6	4611.68	0	0	6	4611.68	0	0	0	0	0	0	6	4611.68	0	0	6	4611.68
6	Idukki	4	4	4636.4	0	0	4	4636.4	0	0	0	0	0	0	4	4636.4	0	0	4	4636.4
7	Eranakulam	10	8	3227.17	0	0	8	3227.17	0	0	2	2718	2	2718	8	3227.17	2	2718	10	3125.34
8	Thrissur	8	0	0	8	2712.29	8	2712.29	0	0	0	0	0	0	0	0	8	2712.29	8	2712.29
9	Palakkad	10	2	3686.69	8	4236.57	10	4126.59	0	0	0	0	0	0	2	3686.69	8	4236.57	10	4126.59
10	Malappuram	10	0	0	10	3737.82	10	3737.82	0	0	0	0	0	0	0	0	10	3737.82	10	3737.82
11	Kozhikode	12	0	0	9	2140.09	9	2140.09	0	0	3	797.53	3	797.53	0	0	12	1804.45	12	1804.45
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	0	0	6	4171.1	6	4171.9	0	0	2	2177.96	2	2177.96	0	0	8	3672.81	8	3672.81
14	Kasaragod	4	0	0	4	4211.36	4	4211.36	0	0	0	0	0	0	0	0	4	4211.36	4	4211.36
State Total		100	39	3569.54	52	3473.81	91	3514.84	0	0	9	1775.17	9	1775.17	39	3569.54	61	3223.19	100	3358.27

Table 8(iv)

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

STATE: KERALA

YEAR: 2020-21

SEASON: AUTUMN PADDY

CENTRAL SAMPLE

Sl. No.	District	No. of expts. Checked at harvest	HY varieties						Other varieties						Both HY & Others					
			Irrigated		Un-irrigated		Total		Irrigated		Un-irrigated		Total		Irrigated		Un-irrigated		Total	
			No. of 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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	8	8	3474.3	0	0	8	3474.3	0	0	0	0	0	0	8	3474.3	0	0	8	3474.3
2	Kollam	6	1	2573.28	5	4135.87	6	3875.44	0	0	0	0	0	0	1	2573.28	5	4135.87	6	3875.44
3	Pathanamthitta	6	5	2638.8	0	0	5	2638.8	1	795.6	0	0	1	795.6	6	2331.6	0	0	6	2331.6
4	Alappuzha	8	2	1573.68	1	189.6	3	1112.32	0	0	5	1857.32	5	1857.32	2	1573.68	6	1579.37	8	1577.95
5	Kottayam	6	6	2884.36	0	0	6	2884.36	0	0	0	0	0	0	6	2884.36	0	0	6	2884.36
6	Idukki	4	2	2250.73	0	0	2	2250.73	2	2448.12	0	0	2	2448.12	4	2349.43	0	0	4	2349.43
7	Ernakulam	10	7	3216.04	3	2981.34	10	3145.63	0	0	0	0	0	0	7	3216.04	3	2981.34	10	3145.63
8	Thrissur	8	0	0	8	3162.97	8	3162.97	0	0	0	0	0	0	0	0	8	3162.97	8	3162.97
9	Palakkad	10	0	0	10	3858.9	10	3858.9	0	0	0	0	0	0	0	0	10	3858.9	10	3858.9
10	Malappuram	10	0	0	8	3801.36	8	3801.36	2	2575.6	0	0	2	2575.6	2	2575.6	8	3801.36	10	3556.21
11	Kozhikode	12	1	3642.43	9	2653.04	10	2751.98	2	1082.28	0	0	2	1082.28	3	1935.66	9	2653.04	12	2473.69
12	Wayanad	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	3916.43	8	3916.43	0	0	0	0	0	0	0	0	8	3916.43	8	3916.43
14	Kasargod	4	0	0	4	3203.71	4	3203.71	0	0	0	0	0	0	0	0	4	3203.71	4	3203.71
State Total		100	32	2958.48	56	3431.08	88	3259.22	7	1858.23	5	1857.32	12	1857.85	39	2761	61	3302.08	100	3091.06

Table 8(v)															
CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS															
STATE: KERALA YEAR: 2020-21 SEASON: AUTUMN PADDY STATE SAMPLE															
Sl. No.	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments with Fertilizers								Expts. 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	3040.35	0	0	8	6	7	8	3040.35	63.46	23.33	39.71	0	0
2	Kollam	6	3737.66	0	0	0	0	0	0	0	0	0	0	6	3737.66
3	Pathanamthitta	6	3765	1	3661.2	6	6	6	6	3765	54.68	20.79	43.08	0	0
4	Alappuzha	8	2599.42	4	3614.72	4	4	3	4	3614.72	50.88	43.78	98.7	4	1584.11
5	Kottayam	6	4611.68	6	4611.68	6	6	4	6	4611.68	48.5	32.5	42	0	0
6	Idukki	4	4636.4	2	4152	3	3	3	3	4498	23.33	15	17	1	5051.6
7	Eranakulam	10	3125.34	2	2098.29	8	8	7	8	3227.17	43.5	31.13	26	2	2718
8	Thrissur	8	2712.29	3	2533.33	7	6	7	7	2799.85	38.86	26.67	25	1	2099.34
9	Palakkad	10	4126.59	6	4880.09	8	7	6	8	4462.39	83.75	33.43	59.83	2	2783.38
10	Malappuram	10	3737.82	2	2756.08	9	6	2	9	3697.75	16.48	6.1	21.1	1	4098.4
11	Kozhikode	12	1804.45	3	2570.10	4	3	3	5	2221.89	13.73	17.67	24.33	7	1506.72
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	3672.81	2	3325.12	8	7	3	8	3672.81	38.86	20.09	46	0	0
14	Kasaragod	4	4211.36	2	3411.36	4	4	4	4	4211.36	25.75	25.75	25.75	0	0
State Total		100	3358.27	33	3692.93	75	66	55	76	3608.76	39.32	24.69	39.04	24	2565.06

Unit : Kg/Hect

Table 8(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: AUTUMN PADDY

STATE SAMPLE

Sl. No.	District	Expts. Treated with Manure only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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
<i>1</i>	<i>2</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i>
1	Thiruvananthapuram	0	0	8	3040.35	0	0	8	3040.35	0	0	8	3040.35
2	Kollam	6	3737.66	6	3737.66	0	0	0	0	0	0	6	3737.66
3	Pathanamthitta	0	0	5	3785.76	1	3661.2	5	3785.76	0	0	6	3765
4	Alappuzha	4	1129.07	4	1584.11	4	3614.72	0	0	0	0	8	2281.36
5	Kottayam	0	0	0	0	6	4611.68	0	0	0	0	6	4611.68
6	Idukki	0	0	1	5190	3	4451.87	1	5190	1	5051.6	3	4498
7	Ernakulam	0	0	6	3603.46	4	2408.15	6	3603.46	2	2718	8	3227.17
8	Thrissur	1	2099.34	5	2819.66	3	2533.33	4	2999.75	0	0	8	2712.29
9	Palakkad	1	4615.70	3	3678.12	7	4318.79	2	3209.33	1	951.05	9	4479.43
10	Malappuram	1	4098.4	8	3983.25	2	2756.08	7	3966.8	0	0	10	3737.82
11	Kozhikode	7	1506.72	9	1733.76	3	2016.52	2	2528.43	0	0	12	1804.45
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	0	0	6	3788.71	2	3325.12	6	3788.71	0	0	8	3672.81
14	Kasargod	0	0	2	5011.36	2	3411.36	2	5011.36	0	0	4	4211.36
State Total		20	2415.13	63	3240.99	37	3557.96	43	3582.78	4	2859.66	96	3352.54

Unit : Kg/Hect

Table 8(vi)															
CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS															
STATE: KERALA		YEAR: 2020-21		SEASON: AUTUMN PADDY				CENTRAL SAMPLE				(Unit : Kg/Hect)			
Sl. No.	District	Expts. Checked at harvest stage		Expts. Treated with Fertilizers only		Experiments with Fertilizers								Expts. 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	3474.3	1	3196.46	7	7	7	7	3682.57	88	37.57	39.43	1	2016.34
2	Kollam	6	3875.44	2	4416.66	6	6	4	6	3875.44	54.7	18.15	63.25	0	0
3	Pathanamthitta	6	2331.6	0	0	4	2	4	4	2904.3	65.5	23	60.75	2	1186.2
4	Alappuzha	8	1577.95	1	1706.4	2	2	1	2	2170.92	47.67	29.67	34	6	1380.29
5	Kottayam	6	2884.36	4	2714.12	6	6	6	6	2884.36	76.5	44.83	65	0	0
6	Idukki	4	2349.43	4	2349.43	4	4	3	4	2349.43	37.75	31	26.67	0	0
7	Ernakulam	10	3145.63	3	1934.01	10	9	7	10	3145.63	40.5	21.78	28.71	0	0
8	Thrissur	8	3162.97	1	3547.69	7	7	7	7	3574.66	46.71	21.29	52.71	1	281.19
9	Palakkad	10	3858.9	4	3917.11	9	7	9	9	3657.72	70.56	39	55.11	1	5669.57
10	Malappuram	10	3556.21	1	3797.6	6	6	2	6	3422.86	46.17	28	45.5	4	3756.24
11	Kozhikode	12	2473.69	3	3202.06	8	8	7	8	3204.39	56	28.75	44.14	4	1012.31
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	8	3916.43	0	0	7	5	4	7	4150.23	50.43	61.8	47	1	2279.77
14	Kasargod	4	3203.71	2	2766.17	4	4	3	4	3203.71	26.25	22.5	35.33	0	0
State Total		100	3091.06	26	2997.87	80	73	64	80	3364.13	54.36	31.33	45.97	20	1998.76

Table 8(vi)													
CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS													
STATE: KERALA		YEAR:2020-21				SEASON: AUTUMN PADDY				CENTRAL SAMPLE			
Sl. No.	District	Expts.Treated with Manure only		Expts. Treated with Manure		Expts. Not Treated with Manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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
<i>1</i>	<i>2</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i>
1	Thiruvananthapuram	1	2016.34	7	3513.99	1	3196.46	6	3763.59	0	0	8	3474.29
2	Kollam	0	0	4	3604.83	2	4416.66	4	3604.83	0	0	6	3875.44
3	Pathanamthitta	2	1186.2	6	2331.6	0	0	4	2904.3	0	0	6	1936.2
4	Alappuzha	4	752.71	5	1129.26	3	2325.76	1	2635.44	2	2635.44	6	1225.45
5	Kottayam	0	0	2	3224.83	4	2714.12	2	3224.83	0	0	6	2884.36
6	Idukki	0	0	0	0	4	2349.43	0	0	0	0	4	2349.43
7	Eranakulam	0	0	7	3664.89	3	1934.01	7	3664.9	0	0	10	3145.63
8	Thrissur	1	281.19	7	3108.01	1	3547.69	6	3579.15	0	0	8	3162.97
9	Palakkad	1	5669.57	6	3820.10	4	3917.11	5	3450.21	0	0	10	3858.91
10	Malappuram	4	3756.24	9	3529.39	1	3797.6	5	3347.91	0	0	10	3556.21
11	Kozhikode	4	1012.31	9	2260.91	3	3202.06	5	3205.79	0	0	12	2473.69
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	2279.77	8	3916.43	0	0	7	4150.23	0	0	8	3916.43
14	Kasaragod	0	0	2	3641.26	2	2766.17	2	3641.26	0	0	4	3203.71
State Total		18	1928.02	72	3137.37	28	2971.98	54	3540.48	2	2635.44	98	3076.15

Unit : Kg/Hect

Table 9(i) CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED STATE: KERALA YEAR: 2020-21 STATE SAMPLE SEASON: WINTER CROP: PADDY							
Sl. No.	District	No. of Experiments		At postharvest	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	6	6				
4	Alappuzha	8	8				
5	Kottayam	6	6				
6	Idukki	4	4				
7	Eranakulam	10	10				
8	Thrissur	8	8				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasaragod	4	4				
Total		100	100				

Table 9(ii)							
CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED							
STATE: KERALA YEAR: 2020-21 CENTRAL SAMPLE							
SEASON: WINTER				CROP: PADDY			
Sl. No.	District	No. of Experiments		At postharvest	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	6	6				
4	Alappuzha	8	8				
5	Kottayam	6	6				
6	Idukki	4	4				
7	Eranakulam	10	10				
8	Thrissur	8	8				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	8				
14	Kasaragod	4	4				
Total		100	100				

Table 9(iii)																				
ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES																				
STATE: KERALA			YEAR: 2020-21						SEASON: WINTER PADDY						STATE SAMPLE					
Sl No.	District	No. of Expts. Checked at Harvest	HY Varieties						Other Varieties						Both HY & Others					
			Irrigated		Un -Irrigated		Total		Irrigated		Un -Irrigated		Total		Irrigated		Un -Irrigated		Total	
			No. of 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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	8	8	3644.5	0	0	8	3644.5	0	0	0	0	0	0	8	3644.5	0	0	8	3644.5
2	Kollam	6	0	0	4	3117.48	4	3117.48	0	0	2	3186.97	2	3186.97	0	0	6	3140.64	6	3140.64
3	Pathanamthitta	6	6	5301.97	0	0	6	5301.97	0	0	0	0	0	0	6	5301.97	0	0	6	5301.97
4	Alappuzha	8	6	3410.87	0	0	6	3410.87	0	0	2	828.07	2	828.07	6	3410.87	2	828.07	8	2765.17
5	Kottayam	6	6	2532.71	0	0	6	2532.71	0	0	0	0	0	0	6	2532.71	0	0	6	2532.71
6	Idukki	4	4	4047.06	0	0	4	4047.06	0	0	0	0	0	0	4	4047.06	0	0	4	4047.06
7	Eranakulam	10	10	3914.26	0	0	10	3914.26	0	0	0	0	0	0	10	3914.26	0	0	10	3914.26
8	Thrissur	8	5	5932.88	0	0	5	5932.88	0	0	3	1016.4	3	1016.4	5	5932.88	3	1016.4	8	4089.16
9	Palakkad	10	7	4968.86	1	6245.8	8	5128.48	2	3083.63	0	0	2	3083.63	9	4549.92	1	6245.8	10	4719.51
10	Malappuram	10	3	4378.03	5	4341.57	8	4355.25	1	2564.96	1	4258.59	2	3411.77	4	3924.77	6	4327.74	10	4166.55
11	Kozhikode	8	0	0	1	1951.84	1	1951.84	0	0	7	1306.2	7	1306.2	0	0	8	1386.9	8	1386.9
12	Wayanad	4	0	0	1	2154.18	1	2154.18	0	0	3	2600.12	3	2600.12	0	0	4	2488.63	4	2488.63
13	Kannur	8	6	4358.29	0	0	6	4358.29	2	2191.28	0	0	2	2191.28	8	3816.54	0	0	8	3816.54
14	Kasaragod	4	1	2307.58	0	0	1	2307.58	3	2928.42	0	0	3	2928.42	4	2773.21	0	0	4	2773.21
State Total		100	62	4161.25	12	3710.8	74	4088.21	8	2737.51	18	1793.42	26	2083.91	70	3998.54	30	2560.37	100	3567.09

Table 9(iv)

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

STATE: KERALA																					YEAR: 2020-21						SEASON: WINTER PADDY						CENTRAL SAMPLE					
Sl No.	District	No. of Expts. Checked at Harvest	HY Varieties						Other Varieties						Both HY & Others																							
			Irrigated		Un -Irrigated		Total		Irrigated		Un -Irrigated		Total		Irrigated		Un -Irrigated		Total																			
			No. of 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																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21																		
1	Thiruvananthapuram	8	7	2759.14	0	0	7	2759.14	1	617.9	0	0	1	617.9	8	2491.49	0	0	8	2491.49																		
2	Kollam	6	5	4024.93	0	0	5	4024.93	0	0	1	1603.81	1	1603.81	5	4024.93	1	1603.81	6	3621.41																		
3	Pathanamthitta	6	4	3600.64	2	1779.9	6	2993.73	0	0	0	0	0	0	4	3600.64	2	1779.9	6	2993.73																		
4	Alappuzha	8	4	5397.73	1	2709.36	5	4860.06	0	0	3	1966.51	3	1966.51	4	5397.73	4	2152.22	8	3774.98																		
5	Kottayam	6	6	4289.53	0	0	6	4289.53	0	0	0	0	0	0	6	4289.53	0	0	6	4289.53																		
6	Idukki	4	4	3708.64	0	0	4	3708.64	0	0	0	0	0	0	4	3708.64	0	0	4	3708.64																		
7	Eranakulam	10	9	3919.67	1	3452.02	10	3872.91	0	0	0	0	0	0	9	3919.67	1	3452.02	10	3872.91																		
8	Thrissur	8	7	4033.92	0	0	7	4033.92	1	2775.7	0	0	1	2775.7	8	3876.64	0	0	8	3876.64																		
9	Palakkad	10	10	5899.1	0	0	10	5899.1	0	0	0	0	0	0	10	5899.1	0	0	10	5899.1																		
10	Malappuram	10	4	4076.59	3	4723.8	7	4353.97	0	0	3	2795.05	3	2795.05	4	4076.59	6	3759.43	10	3886.29																		
11	Kozhikode	8	1	7352.04	2	2793.4	3	4312.95	2	1586.1	3	1251.46	5	1385.32	3	3508.08	5	1868.24	8	2483.18																		
12	Wayanad	4	2	3693.76	0	0	2	3693.76	2	2785.84	0	0	2	2785.84	4	3239.8	0	0	4	3239.8																		
13	Kannur	8	6	4283.67	1	1983.8	7	3955.12	1	2526.16	0	0	1	2526.16	7	4032.6	1	1983.8	8	3776.5																		
14	Kasaragod	4	1	6182.22	0	0	1	6182.22	3	2626.73	0	0	3	2626.73	4	3515.6	0	0	4	3515.6																		
State Total		100	70	4306.28	10	3146.32	80	4161.28	10	2254.38	10	1964.29	20	2109.34	80	4049.79	20	2555.3	100	3750.89																		

Table 9(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: WINTER PADDY

STATE SAMPLE

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers							Expts. Not treated with Fertilizers		
		No.	Yield Rate	No.	Yield Rate	No. of Expts.					Rate of Application			No.	Yield Rate
						N	P	K	Exclusive Total	Yield Rate	N	P	K		
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>	<i>15</i>	<i>16</i>
1	Thiruvananthapuram	8	3644.5	2	1957.3	8	8	8	8	3644.5	57.3	23.64	35.12	0	0
2	Kollam	6	3140.64	0	0	0	0	0	0	0	0	0	0	6	3140.64
3	Pathanamthitta	6	5301.97	2	5135.55	6	6	6	6	5301.97	59.02	26.53	31.13	0	0
4	Alappuzha	8	2765.17	4	3862.75	6	6	4	6	3410.87	58.5	35.07	4	2	828.07
5	Kottayam	6	2532.71	4	3063.6	6	4	4	6	2532.71	59.83	32.5	32	0	0
6	Idukki	4	4047.06	2	4038.68	3	3	0	3	4477.49	17.67	17.67	0	1	2755.76
7	Eranakulam	10	3914.26	3	3589.86	9	8	8	9	3283.42	27.22	17.13	18.38	1	2702.54
8	Thrissur	8	4089.16	5	4326.54	8	6	7	8	4089.16	37.5	29.17	39.29	0	0
9	Palakkad	10	4719.51	6	4360.84	10	8	8	10	4719.51	60.6	21.56	33.5	0	0
10	Malappuram	10	4166.55	2	6186.08	10	5	1	10	4166.55	53.9	25.32	34	0	0
11	Kozhikode	8	1386.91	0	0	6	5	3	6	1369.02	13	13.2	48	2	1440.55
12	Wayanad	4	2488.63	0	0	0	0	3	0	0	0	0	0	4	2488.63
13	Kannur	8	3816.54	1	6024.2	8	6	7	8	3816.54	52.98	0	67	0	0
14	Kasaragod	4	2773.21	1	3317.38	1	1	1	1	3317.38	89	89	89	3	2591.82
State Total		100	3567.09	32	4070.3	81	66	60	81	3743.83	48.88	66	35.95	19	2451.02

Unit : Kg/Hect

contd...

Table 9(v)													
CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS													
STATE: KERALA		YEAR: 2020-21				SEASON: WINTER PADDY				STATE SAMPLE			
Sl. No.	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. not Treated with Fertilizers & Manure		Expts. Treated with Fertilizers or Manure or both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	6	4206.9	2	1957.3	6	4206.9	0	0	8	3644.5
2	Kollam	4	3427.35	4	3427.35	2	2567.23	0	0	2	2567.23	4	3427.35
3	Pathanamthitta	0	0	4	5385.18	2	5135.55	4	5385.18	0	0	6	2938.67
4	Alappuzha	1	747.94	3	1920.72	5	3271.84	2	2507.11	1	908.21	7	3030.45
5	Kottayam	0	0	2	1470.94	4	3063.6	2	1470.94	0	0	6	2532.71
6	Idukki	0	0	1	5355.11	3	3611.04	1	5355.11	1	2755.76	3	4477.49
7	Ernakulam	0	0	6	3130.2	4	3368.03	6	3130.2	1	2702.54	9	3283.42
8	Thrissur	0	0	3	3693.54	5	4326.54	3	3693.54	0	0	8	4089.16
9	Palakkad	0	0	4	5257.51	6	4360.84	4	5257.51	0	0	10	4719.51
10	Malappuram	0	0	8	3661.67	2	6186.08	8	3661.67	0	0	10	4166.55
11	Kozhikode	2	1440.55	8	1386.91	0	0	6	1369.02	0	0	8	1386.91
12	Wayanad	2	2832.4	2	2832.4	2	2144.86	0	0	2	2144.86	2	2832.4
13	Kannur	0	0	7	3501.16	1	6024.2	7	3501.16	0	0	8	3816.5
14	Kasargod	2	2902.24	2	2902.24	2	2644.18	0	0	1	1970.98	3	3040.6
State Total		11	2618.88	60	3363.48	40	3700.28	49	3530.63	8	2220.21	92	3455.2

Unit : Kg/Hect

Table 9(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: WINTER PADDY

CENTRAL SAMPLE

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers							Expts. Not treated with Fertilizers		
		No.	Yield Rate	No.	Yield Rate	No. of Expts.					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	2491.49	2	1755.65	8	7	8	8	2491.49	90.38	30.86	74	0	0
2	Kollam	6	3621.41	0	0	5	5	5	5	4024.93	54.36	31.56	57.08	1	1603.81
3	Pathanamthitta	6	2993.73	1	2461.06	2	2	2	2	3656.32	59	36	53	4	2662.43
4	Alappuzha	8	3774.98	4	5397.73	6	6	5	6	4616.09	41.25	22.66	30.18	2	1251.65
5	Kottayam	6	4289.53	1	5501.9	6	5	6	6	4289.53	55.5	31.4	56.17	0	0
6	Idukki	4	3708.64	1	2908.44	4	4	3	4	3708.64	17.25	36	78.33	0	0
7	Ernakulam	10	3872.91	3	3285.88	10	10	8	10	3872.91	43.2	23.4	43.88	0	0
8	Thrissur	8	3876.64	1	3762.53	7	7	7	7	4033.92	46.14	21	30.14	1	2775.69
9	Palakkad	10	5899.1	3	6316.86	10	9	8	10	5899.1	67.9	27.78	53	0	0
10	Malappuram	10	3886.29	4	4102.05	8	8	3	8	3588.59	38.5	26	52.33	2	5077.11
11	Kozhikode	8	2483.18	1	3022.92	5	2	4	5	3714.83	65.44	41.5	86.75	3	430.42
12	Wayanad	4	3239.8	0	0	2	2	2	2	1815.84	18.1	9	17.6	2	2785.84
13	Kannur	8	3776.5	2	3798.34	6	6	5	7	3770.52	30.83	19.33	57.6	1	3818.36
14	Kasaragod	4	3515.6	0	0	1	1	1	1	6182.22	28	14	28	3	2626.73
State Total		100	3750.9	23	4155.31	80	74	67	81	4013.4	46.85	26.46	51.29	19	2434.12

Unit : Kg/Hect

contd...

Table 9(vi)													
CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS													
STATE: KERALA		YEAR: 2020-21				SEASON: WINTER PADDY				CENTRAL SAMPLE			
Sl. No.	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. Treated with Fertilizers or Manure or both	
		No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate	No.	Yield Rate
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	0	0	6	2736.77	2	1755.65	6	2736.77	0	0	8	2491.49
2	Kollam	1	1603.81	6	3621.41	0	0	5	4024.93	0	0	6	3621.41
3	Pathanamthitta	4	2662.43	5	3100.26	1	2461.06	1	4851.58	0	0	6	2993.73
4	Alappuzha	1	1255.46	3	2453.69	5	4567.75	2	3052.8	1	1247.83	7	4135.99
5	Kottayam	0	0	5	4047.06	1	5501.9	5	4047.06	0	0	6	4289.53
6	Idukki	0	0	3	3975.37	1	2908.44	3	3975.37	0	0	4	3708.64
7	Ernakulam	0	0	7	4124.49	3	3285.88	7	4124.49	0	0	10	3872.91
8	Thrissur	1	2775.69	7	3892.94	1	3762.53	6	4079.15	0	0	8	3876.64
9	Palakkad	0	0	7	5720.06	3	6316.86	7	5720.06	0	0	10	5899.1
10	Malappuram	2	5077.11	6	3742.45	4	4102.05	4	3075.12	0	0	10	3886.29
11	Kozhikode	3	430.42	7	2406.07	1	3022.92	4	3887.81	0	0	8	2483.18
12	Wayanad	1	2293.86	3	3227.13	1	3277.82	2	0	1	3277.82	3	3227.13
13	Kannur	1	3818.36	6	3769.22	2	3798.34	5	3759.39	0	0	8	3776.5
14	Kasaragod	3	2626.73	4	3515.6	0	0	1	6182.22	0	0	4	3515.6
State Total		17	2454.27	75	3666.56	25	4003.91	58	3894.51	2	2262.83	98	3781.26

Unit : Kg/Hect

Table 10(i)
CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE: KERALA

YEAR: 2020-21

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	6	6				
4	Alappuzha	8	8				
5	Kottayam	6	6				
6	Idukki	4	4				
7	Ernakulam	10	10				
8	Thrissur	8	7	1			
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	4				
13	Kannur	8	0				
14	Kasaragod	4	12				
State Total		100	99	1			

Table 10(ii)

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

STATE: KERALA

YEAR: 2020-21

CENTRAL SAMPLE

SEASON: SUMMER

CROP: PADDY

Sl.No.	District	No. of Experiments		At postharvest	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	6	6				
4	Alappuzha	8	8				
5	Kottayam	6	6				
6	Idukki	4	4				
7	Eranakulam	10	8	2			
8	Thrissur	8	7		1		
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad	4	0	4			
13	Kannur	4	3		1		
14	Kasaragod	8	8				
State Total		100	92	6	2		
One C.C lost in Thrissur and Kannur district due to lockdown. 2 C.C in Eranakulam district and 4 C.C in Wayanad post harvest due to lock down.							

Table 10(iii)

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

STATE: KERALA																					YEAR: 2020-21																					SEASON: SUMMER PADDY																					STATE SAMPLE																				
Sl. No.	District	No. of expts. Checked at harvest	HY Varieties						Other Varieties						Both HY & Others																																																																				
			Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total																																																																
			No. of 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.	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	Thiruvananthapuram	8	8	3740.03	0	0	8	3740.03	0	0	0	0	0	0	8	3740.03	0	0	8	3740.03																																																															
2	Kollam	6	6	2303.13	0	0	6	2303.13	0	0	0	0	0	0	6	2303.13	0	0	6	2303.13																																																															
3	Pathanamthitta	6	6	3190.19	0	0	6	3190.19	0	0	0	0	0	0	6	3190.19	0	0	6	3190.19																																																															
4	Alappuzha	8	8	4001.81	0	0	8	4001.81	0	0	0	0	0	0	8	4001.81	0	0	8	4001.81																																																															
5	Kottayam	6	6	5500.92	0	0	6	5500.92	0	0	0	0	0	0	6	5500.92	0	0	6	5500.92																																																															
6	Idukki	4	4	4547.42	0	0	4	4547.42	0	0	0	0	0	0	4	4547.42	0	0	4	4547.42																																																															
7	Ernakulam	10	9	2684.06	0	0	9	2684.06	1	0.37	0	0	1	0.37	10	2415.7	0	0	10	2415.7																																																															
8	Thrissur	8	8	6192.19	0	0	8	6192.19	0	0	0	0	0	0	8	6192.19	0	0	8	6192.19																																																															
9	Palakkad	10	10	4505.95	0	0	10	4505.95	0	0	0	0	0	0	10	4505.95	0	0	10	4505.95																																																															
10	Malappuram	10	10	4954.01	0	0	10	4954.01	0	0	0	0	0	0	10	4954.01	0	0	10	4954.01																																																															
11	Kozhikode	8	8	2598.96	0	0	8	2598.96	0	0	0	0	0	0	8	2598.96	0	0	8	2598.96																																																															
12	Wayanad	4	4	4783.31	0	0	4	4783.31	0	0	0	0	0	0	4	4783.31	0	0	4	4783.31																																																															
13	Kannur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																															
14	Kasaragod	12	8	1113.8	0	0	8	1113.8	4	1168.43	0	0	4	1168.43	12	1132.01	0	0	12	1132.01																																																															
State Total		100	95	3823.36	0	0	95	3823.36	5	934.82	0	0	5	934.82	100	3678.93	0	0	100	3678.93																																																															

Table 10(iv)																				
ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES																				
STATE: KERALA				YEAR: 2020-21				SEASON: SUMMER PADDY				CENTRAL SAMPLE								
Sl. No	District	No. of expts. Checked at harvest	HY Varieties						Other Varieties						Both HY & Others					
			Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total	
			No. of 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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	8	6	3097.3	0	0	6	3097.3	2	2064.66	0	0	2	2064.66	8	2839.14	0	0	8	2839.14
2	Kollam	6	2	75.84	4	4075.45	6	2742.25	0	0	0	0	0	0	2	75.84	4	4075.45	6	2742.25
3	Pathanamthitta	6	6	4788.69	0	0	6	4788.69	0	0	0	0	0	0	6	4788.69	0	0	6	4788.69
4	Alappuzha	8	8	4193.91	0	0	8	4193.91	0	0	0	0	0	0	8	4193.91	0	0	8	4193.91
5	Kottayam	6	6	3034.11	0	0	6	3034.11	0	0	0	0	0	0	6	3034.11	0	0	6	3034.11
6	Idukki	4	4	4093.34	0	0	4	4093.34	0	0	0	0	0	0	4	4093.34	0	0	4	4093.34
7	Ernakulam	10	10	3612.52	0	0	10	3612.52	0	0	0	0	0	0	10	3612.52	0	0	10	3612.52
8	Thrissur	7	7	5659.63	0	0	7	5659.63	0	0	0	0	0	0	7	5659.63	0	0	7	5659.63
9	Palakkad	10	10	5077.05	0	0	10	5077.05	0	0	0	0	0	0	10	5077.05	0	0	10	5077.05
10	Malappuram	10	10	5174.62	0	0	10	5174.62	0	0	0	0	0	0	10	5174.62	0	0	10	5174.62
11	Kozhikode	8	6	4528.91	0	0	6	4528.91	2	454.53	0	0	2	454.53	8	3510.32	0	0	8	3510.32
12	Wayanad	4	4	3797.97	0	0	4	3797.97	0	0	0	0	0	0	4	3797.97	0	0	4	3797.97
13	Kannur	3	3	2370.29	0	0	3	2370.29	0	0	0	0	0	0	3	2370.29	0	0	3	2370.29
14	Kasaragod	8	7	3700.77	0	0	7	3700.77	1	3261.53	0	0	1	3261.53	8	3645.87	0	0	8	3645.87
State Total		98	89	4148.74	4	4075.45	93	4145.59	5	1659.98	0	0	5	1659.98	94	4016.36	4	4075.45	98	4018.77

Table 10(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: SUMMER PADDY

STATE SAMPLE

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers								Expts. Not treated with Fertilizers	
						No. of Expts.				Rate of Application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>	<i>15</i>	<i>16</i>
1	Thiruvananthapuram	8	3740.03	1	4165.97	8	6	6	8	3740.03	45.9	22.93	51.77	0	0
2	Kollam	6	2303.13	0	0	0	0	0	0	0	0	0	0	6	2303.13
3	Pathanamthitta	6	3190.19	6	3190.19	6	6	6	6	3190.19	55.66	31.75	45.48	0	0
4	Alappuzha	8	4001.81	8	2826.37	8	8	8	8	2826.37	90.94	45	61.88	0	0
5	Kottayam	6	5500.92	6	5500.92	6	6	6	6	5500.92	76.83	29.33	82.33	0	0
6	Idukki	4	4547.42	1	4181.32	2	2	1	2	4648.64	17	17	60	2	4446.2
7	Ernakulam	10	2415.69	7	3450.89	10	10	10	10	2415.69	27.1	10.7	21.1	0	0
8	Thrissur	8	6192.19	7	6121.10	8	8	8	8	6192.19	62.13	44.38	47.25	0	0
9	Palakkad	10	4505.95	9	4590.23	10	10	10	10	4505.95	65.7	35	62.06	0	0
10	Malappuram	10	4954.01	3	5132.37	8	6	4	8	5364.77	50.16	24.84	42.2	2	3311
11	Kozhikode	8	2598.96	2	2746.21	6	6	6	6	3018.29	30.83	33.17	26.33	2	1340.95
12	Wayanad	4	4783.31	1	4716.14	3	3	2	3	2970.81	14.84	23.04	1	1	4622.64
13	Kannur	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Kasaragod	12	1132.01	0	0	4	4	3	10	1204.49	14.5	14.25	9	2	769.62
State Total		100	3678.93	51	4255.42	79	75	70	85	3702.52	45.97	27.62	42.53	15	2545.13

Unit : Kg/Hect

Table contd...

Table 10(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: SUMMER PADDY

STATE SAMPLE

Sl. No.	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. not Treated with Fertilizers & Manure		Expts. 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
<i>1</i>	<i>2</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i>
1	Thiruvananthapuram	0	0	7	3679.18	1	4165.97	7	3679.18	0	0	8	3740.03
2	Kollam	2	2410.01	2	2410.01	4	2249.70	0	0	4	2249.7	2	2410.01
3	Pathanamthitta	0	0	0	0	6	3190.19	0	0	0	0	6	3190.19
4	Alappuzha	0	0	0	0	8	2826.37	0	0	0	0	8	2826.37
5	Kottayam	0	0	0	0	6	5500.92	0	0	0	0	6	5500.92
6	Idukki	1	3780.22	2	4448.09	2	4646.75	1	5115.97	1	5112.18	3	4359.17
7	Ernakulam	0	0	3	0.25	7	3450.89	3	0.25	0	0	10	2415.7
8	Thrissur	0	0	1	6689.76	7	6121.10	1	6689.76	0	0	8	6192.19
9	Palakkad	0	0	1	3747.48	9	4590.23	1	3747.48	0	0	10	4505.95
10	Malappuram	2	3311	7	4877.58	3	5132.37	5	5504.21	0	0	10	4954.01
11	Kozhikode	1	2444.26	5	3012.32	3	1910.02	4	3154.34	1	237.64	7	2936.29
12	Wayanad	1	4622.64	3	4787.2	1	9432.28	2	5542.68	0	0	4	4769.44
13	Kannur	0	0	0	0	0	0	0	0	0	0	0	0
14	Kasaragod	2	769.62	12	1132.01	0	0	10	1204.49	0	0	12	1132.01
State Total		9	2647.6	43	2954.85	57	4141.95	34	3075.79	6	2391.44	94	3660.48

Unit : Kg/Hect

Table 10(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: SUMMER PADDY

CENTRAL SAMPLE

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers								Expts. Not treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Expts.					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	2839.14	1	3535.76	7	5	5	7	2723.92	38.49	25.8	46.4	1	3645.68
2	Kollam	6	2742.25	0	0	6	5	4	6	2742.25	33.67	15.4	25.5	0	0
3	Pathanamthitta	6	4788.69	3	4627.66	6	6	6	6	4788.69	40.67	16.17	35.83	0	0
4	Alappuzha	8	4193.91	5	4445.35	8	8	8	8	4193.91	72.38	41.5	42.88	0	0
5	Kottayam	6	3034.11	3	2036.37	6	6	6	6	3034.11	102	43.33	73.83	0	0
6	Idukki	4	4093.34	2	2966.66	4	4	2	4	4093.34	80.25	48.75	94	0	0
7	Ernakulam	10	3612.52	6	3992.26	10	10	9	10	3612.52	45.1	30.4	26	0	0
8	Thrissur	7	5659.63	2	6192.65	6	6	6	6	5540.92	42.17	21	41	1	6371.90
9	Palakkad	10	5077.05	10	5077.05	10	10	10	10	5077.05	86.4	40.3	65.1	0	0
10	Malappuram	10	5174.62	3	6031.69	10	10	8	10	5174.62	92.5	51.5	70.13	0	0
11	Kozhikode	8	3510.32	1	5148.78	7	6	6	7	2985.27	20.77	28.83	16.17	1	7185.66
12	Wayanad	4	3797.97	2	3977.49	2	2	0	2	1899.92	46	48	0	2	3618.45
13	Kannur	3	2370.29	0	0	3	3	3	3	2370.29	34	34	34	0	0
14	Kasaragod	8	3645.87	1	4811.97	6	6	5	6	3749.08	29.17	29.17	25	2	3336.25
State Total		98	4018.77	39	4482.26	91	87	78	91	3940.35	54.54	33.87	45.83	7	4444.66

Unit : Kg/Hect

Table contd...

Table 10(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: SUMMER PADDY

CENTRAL SAMPLE

Sl.No	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	1	3645.68	7	2739.63	1	3535.76	6	2588.62	0	0	8	2839.14
2	Kollam	0	0	6	2742.25	0	0	6	2742.25	0	0	6	2742.25
3	Pathanamthitta	0	0	3	4949.71	3	4627.66	3	4949.71	0	0	6	4788.69
4	Alappuzha	0	0	3	3774.84	5	4445.35	3	3774.84	0	0	8	4193.91
5	Kottayam	0	0	3	4031.86	3	2036.37	3	4031.86	0	0	6	3034.11
6	Idukki	0	0	2	5220.03	2	2966.66	2	5220.03	0	0	4	4093.34
7	Ernakulam	0	0	4	3042.91	6	3992.26	4	3042.91	0	0	10	3612.52
8	Thrissur	1	6371.90	5	5446.43	2	6192.65	4	5215.06	0	0	7	5659.63
9	Palakkad	0	0	0	0	10	5077.05	0	0	0	0	10	5077.05
10	Malappuram	0	0	7	4807.30	3	6031.69	7	4807.30	0	0	10	5174.62
11	Kozhikode	0	0	6	2624.68	2	6167.22	6	2624.68	1	7185.66	7	2985.27
12	Wayanad	2	3618.45	2	3618.45	2	3977.49	0	0	0	0	4	3797.97
13	Kannur	0	0	3	2370.29	0	0	3	2370.29	0	0	3	2370.29
14	Kasaragod	2	3336.25	7	3479.28	1	4811.97	5	3536.5	0	0	8	3645.87
State Total		6	3987.83	58	3652.52	40	4549.84	52	3613.83	1	7185.66	97	3986.12

Unit : Kg/Hect

Table 11(i)

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

STATE: KERALA

YEAR: 2020-21

STATE SAMPLE

Sl. No.	District	SEASON: ANNUAL		CROP: BANANA			
		No. of Experiments Planned	Checked at harvest	At postharvest	Lost	Rejected for analysis	For which schedules are not received
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta						
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki						
7	Eranakulam	4	4				
8	Thrissur	6	6				
9	Palakkad	6	6				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad						
13	Kannur	4	4				
14	Kasaragod	4	4				
State Total		50	50				

Table 11(ii)
CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE: KERALA

YEAR: 2020-21

CENTRAL SAMPLE

SEASON: ANNUAL

CROP: BANANA

Sl.No.	District	No. of Experiments		At postharvest	Lost	Rejected for analysis	For which schedules are not received
		Planned	Checked at harvest				
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
1	Thiruvananthapuram	4	4				
2	Kollam	4	4				
3	Pathanamthitta						
4	Alappuzha	4	4				
5	Kottayam	4	4				
6	Idukki						
7	Eranakulam	4	4				
8	Thrissur	6	6				
9	Palakkad	6	6				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad						
13	Kannur	4	4				
14	Kasaragod	4	4				
State Total		50	50				

Table 11(iii)

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

STATE: KERALA		YEAR: 2020-21		SEASON: ANNUAL		CROP: BANANA		STATE SAMPLE												
Sl. No	District	No. of expts. Checked at harvest	HY Varieties						Other Varieties						Both HY & Others					
			Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total	
			No. of 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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	4	14033.3	0	0	4	14033.3	4	14033.3	0	0	4	14033.3
2	Kollam	4	0	0	0	0	0	0	0	0	4	13283.3	4	13283.3	0	0	4	13283.3	4	13283.3
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	0	0	0	0	0	0	4	16375	0	0	4	16375	4	16375	0	0	4	16375
5	Kottayam	4	0	0	0	0	0	0	2	21217	2	20283.3	4	20750	2	21216.7	2	20283.3	4	20750
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	0	0	0	0	0	0	4	13583.3	0	0	4	13583.3	4	13583.3	0	0	4	13583.3
8	Thrissur	6	2	26000	0	0	2	26000	4	19816.7	0	0	4	19816.7	6	21877.8	0	0	6	21877.78
9	Palakkad	6	2	23533.3	0	0	2	23533.3	4	15317.7	0	0	4	15317.7	6	18055.6	0	0	6	18055.56
10	Malappuram	6	0	0	0	0	0	0	3	14589	3	20233.3	6	17411.1	3	14588.9	3	20233.3	6	17411.1
11	Kozhikode	4	0	0	0	0	0	0	4	16083.3	0	0	4	16083.3	4	16083.3	0	0	4	16083.3
12	Wayanad	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	4	13108.3	0	0	4	13108.3	4	13108.3	0	0	4	13108.3
14	Kasaragod	4	0	0	0	0	0	0	4	18691.7	0	0	4	18691.7	4	18691.7	0	0	4	18691.7
State Total		50	4	24766.7	0	0	4	24766.7	37	16060	9	17155.6	46	16274.6	41	16909.8	9	17155.6	50	16954

Table 11(iv)

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

STATE: KERALA

YEAR: 2020-21

SEASON: ANNUAL

CROP: BANANA

CENTRAL SAMPLE

Sl. No	District	No. of expts. Checked at harvest	HY Varieties						Other Varieties						Both HY & Others					
			Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total	
			No. of 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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	3	11653.33	1	20900	4	13965	3	11653.33	1	20900	4	13965
2	Kollam	4	0	0	0	0	0	0	3	18133.33	1	13000	4	16850	3	18133.33	1	13000	4	16850
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	0	0	0	0	0	0	4	14965	0	0	4	14965	4	14965	0	0	4	14965
5	Kottayam	4	0	0	0	0	0	0	2	16629.33	2	17796.67	4	17213	2	16629.33	2	17796.67	4	17213
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	0	0	0	0	0	0	2	20933.33	2	11500	4	16216.67	2	20933.33	2	11500	4	16216.67
8	Thrissur	6	2	25033.33	0	0	2	25033.33	3	16480	1	16266.67	4	16426.67	5	19901.33	1	16266.67	6	19295.56
9	Palakkad	6	0	0	0	0	0	0	6	19783.33	0	0	6	19783.33	6	19783.33	0	0	6	19783.33
10	Malappuram	6	2	19920	0	0	2	19920	4	15298.33	0	0	4	15298.33	6	16838.89	0	0	6	16838.89
11	Kozhikode	4	1	25533.33	0	0	1	25533.33	3	10615.56	0	0	3	10615.56	4	14345	0	0	4	14345
12	Wayanad	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	4	15666.67	0	0	4	15666.67	4	15666.67	0	0	4	15666.67
14	Kasaragod	4	0	0	0	0	0	0	4	17258.33	0	0	4	17258.33	4	17258.33	0	0	4	17258.33
State Total		50	5	23088	0	0	5	23088	38	16242.77	7	15537.14	45	16133.01	43	17038.73	7	15537.14	50	16828.51

Table 11(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: ANNUAL

CROP: BANANA

STATE SAMPLE

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers							Expts. Not treated with Fertilizers		
						No. of Expts.				Rate of Application					
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	14033.33	0	0	1	1	1	1	15833.33	106.74	106.74	59.3	3	13433.33
2	Kollam	4	13283.33	0	0	0	0	0	0	0	0	0	0	4	13283.33
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	16375	0	0	2	2	1	2	16733.33	1260	360	540	2	16016.67
5	Kottayam	4	20750	0	0	3	1	3	3	20288.89	411.67	138	336.33	1	22133.33
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	13583.33	0	0	2	0	1	2	12166.67	276	0	420	2	15000
8	Thrissur	6	21877.78	0	0	3	3	2	3	24133.33	468.67	277.33	401.5	3	19622.22
9	Palakkad	6	18055.56	1	11866.67	6	3	3	5	14626.67	225.27	106	317.33	1	35200
10	Malappuram	6	17411.11	0	0	1	0	0	1	21266.67	46	0	0	5	16640
11	Kozhikode	4	16083.33	1	10633.33	4	4	4	4	16083.33	123.5	100.5	150.5	0	0
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	13108.33	0	0	1	0	0	1	11666.67	271	0	0	3	13588.89
14	Kasaragod	4	18691.67	0	0	1	1	1	1	24266.67	396	396	396	3	16833.33
State Total		50	16954	2	11250	24	15	16	23	17459.42	358.49	212.08	327.62	27	16523.46

Unit : Kg/Hect

Table contd...

Table 11(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: ANNUAL

CROP: BANANA

STATE SAMPLE

Sl. No.	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	3	13433.333	4	14033.33	0	0	1	15833.33	0	0	4	14033.33
2	Kollam	4	13283.333	4	13283.33	0	0	0	0	0	0	4	13283.33
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	2	16016.67	4	16375	0	0	2	16733.33	0	0	4	16375
5	Kottayam	1	22133.33	4	20750	0	0	3	20288.90	0	0	4	20750
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	2	15000	4	13583.33	0	0	2	12166.70	0	0	4	13583.33
8	Thrissur	3	19622.22	6	21877.78	0	0	3	24133.33	0	0	6	21877.78
9	Palakkad	1	35200	5	19293.33	1	11866.67	4	15316.67	0	0	6	18055.56
10	Malappuram	5	16640	6	17411.11	0	0	1	21266.67	0	0	6	17411.11
11	Kozhikode	0	0	3	17900	1	10633.33	3	17900	0	0	4	16083.33
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	13588.89	4	13108.33	0	0	1	11666.67	0	0	4	13108.33
14	Kasaragod	3	16833.33	4	18691.67	0	0	1	24266.67	0	0	4	18691.67
State Total		27	16523.46	48	17191.67	2	11250	21	18050.79	0	0	50	16954

Unit : Kg/Hect

Table 11(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA YEAR: 2020-21 SEASON: ANNUAL CROP: BANANA CENTRAL SAMPLE

Sl. No	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers							Expts. Not treated with Fertilizers		
		No	Yield Rate	No.	Yield Rate	No. of Expts.				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	4	13965	0	0	3	3	0	3	11653.33	40	40	0	1	20900
2	Kollam	4	16850	0	0	2	1	2	2	19033.33	186	60	191	2	14666.67
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	14965	0	0	2	2	1	2	20900	303.5	91.5	299	2	9030
5	Kottayam	4	17213	0	0	4	4	2	4	17213	254	343	552	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	16216.67	0	0	3	1	1	3	17355.56	18.63	24	72	1	12800
8	Thrissur	6	19295.56	0	0	6	6	4	6	19295.56	243.83	155.17	250.25	0	0
9	Palakkad	6	19783.33	2	27300	6	6	5	6	19783.33	696.17	255.33	373.8	0	0
10	Malappuram	6	16838.89	0	0	4	4	4	4	17448.33	70.75	56.25	296	2	15620
11	Kozhikode	4	14345	0	0	4	2	4	4	14345	141	82	171	0	0
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	15666.67	1	12666.7	3	3	3	3	16355.56	295	219.67	336.33	1	13600
14	Kasaragod	4	17258.33	0	0	2	2	2	2	14016.67	92.5	92.5	92.5	2	20500
State Total		50	16828.51	3	22422.2	39	34	28	39	17294.67	212.85	129.04	263.39	11	15175.76

Unit : Kg/Hect

Table 11(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: ANNUAL

CROP: BANANA

CENTRAL SAMPLE

Sl. No.	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	1	20900	4	13965	0	0	3	11653.3	0	0	4	13965
2	Kollam	2	14666.67	4	16850	0	0	2	19033.3	0	0	4	16850
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	2	9030	4	14965	0	0	2	20900	0	0	4	14965
5	Kottayam	0	0	4	17213	0	0	4	17213	0	0	4	17213
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	1	12800	4	16216.67	0	0	3	17355.6	0	0	4	16216.67
8	Thrissur	0	0	6	19295.56	0	0	6	19295.6	0	0	6	19295.56
9	Palakkad	0	0	4	16025	2	27300	4	16025	0	0	6	19783.33
10	Malappuram	2	15620	6	16838.89	0	0	4	17448.3	0	0	6	16838.89
11	Kozhikode	0	0	4	14345	0	0	4	14345	0	0	4	14345
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	13600	3	16666.67	1	12666.67	2	18200	0	0	4	15666.67
14	Kasaragod	2	20500	4	17258.33	0	0	2	14016.7	0	0	4	17258.33
State Total		11	15175.76	47	16471.46	3	22422.22	36	16867.4	0	0	50	16828.51

Unit : Kg/Hect

Table 12(i)

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

STATE: KERALA

YEAR: 2020-21

STATE SAMPLE

SEASON: ANNUAL

CROP: TAPIOCA

Sl. No.	District	No. of Experiments		At postharvest	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	Eranakulam	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				
State Total		40	40				

Table 12(ii)
CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE: KERALA

YEAR: 2020-21

CENTRAL SAMPLE

SEASON: ANNUAL

CROP: TAPIOCA

Sl.No.	District	No. of Experiments		At postharvest	Lost	Rejected for analysis	For which schedules are not received
		Planned	Checked at harvest				
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
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	Eranakulam	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	Kasaragod	4	4				
	State Total	40	40				

Table 12(iii)

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

STATE: KERALA			YEAR: 2020-21						SEASON: ANNUAL						CROP: TAPIOCA						STATE SAMPLE					
Sl. No	District	No. of expts. Checked at harvest	HY Varieties						Other Varieties						Both HY & Others											
			Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total							
			No. of 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.	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	Thiruvananthapuram	4	0	0	0	0	0	0	0	0	4	34875	4	34875	0	0	4	34875	4	34875						
2	Kollam	4	0	0	1	63000	1	63000	0	0	3	50916.7	3	50916.7	0	0	4	53937.5	4	53937.5						
3	Pathanamthitta	0	0	0	0	0	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	0	0	0	0	0						
5	Kottayam	4	0	0	2	86125	2	86125	0	0	2	43687.5	2	43687.5	0	0	4	64906.25	4	64906.25						
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
7	Eranakulam	4	1	114000	0	0	1	114000	1	50000	2	80000	3	70000	2	82000	2	80000	4	81000						
8	Thrissur	4	1	43250	0	0	1	43250	2	34875	1	22250	3	30666.7	3	37666.7	1	22250	4	33812.5						
9	Palakkad	4	1	28750	0	0	1	28750	3	26958	0	0	3	26958.3	4	27406.3	0	0	4	27406.25						
10	Malappuram	4	0	0	0	0	0	0	1	87500	3	48000	4	57875	1	87500	3	48000	4	57875						
11	Kozhikode	4	0	0	3	54500	3	54500	0	0	1	46250	1	46250	0	0	4	52437.5	4	52437.5						
12	Wayanad	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	35313	2	41750	4	38531.3	2	35312.5	2	41750	4	38531.25						
14	Kasaragod	4	0	0	0	0	0	0	0	0	4	26937.5	4	26937.5	0	0	4	26937.5	4	26937.5						
State Total		40	3	62000	6	66458.33	9	64972.22	9	39861	22	42880.7	31	42004	12	45395.8	28	47933.04	40	47171.88						

Table 12(iv)

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

		STATE: KERALA		YEAR: 2020-21		SEASON: ANNUAL		CROP: TAPIOCA		CENTRAL SAMPLE										
Sl. No	District	No. of expts. Checked at harvest	HY Varieties						Other Varieties						Both HY & Others					
			Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total	
			No. of 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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	1	17875	1	11375	2	14625	2	15697.5	0	0	2	15698	3	16423.3	1	11375	4	15161.25
2	Kollam	4	1	103300	0	0	1	103300	0	0	3	34833.33	3	34833	1	103300	3	34833.33	4	51950
3	Pathanamthitta	0	0	0	0	0	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	0	0	0	0	0
5	Kottayam	4	0	0	4	53062.5	4	53062.5	0	0	0	0	0	0	0	0	4	53062.5	4	53062.5
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	0	0	1	90000	1	90000	2	42275	1	56250	3	46933	2	42275	2	73125	4	57700
8	Thrissur	4	0	0	3	44916.67	3	44916.67	0	0	1	18750	1	18750	0	0	4	38375	4	38375
9	Palakkad	4	1	55250	1	20875	2	38062.5	2	22500	0	0	2	22500	3	33416.7	1	20875	4	30281.25
10	Malappuram	4	2	24875	0	0	2	24875	1	32250	1	750	2	16500	3	27333.3	1	750	4	20687.5
11	Kozhikode	4	0	0	2	52312.5	2	52312.5	2	11012.5	0	0	2	11013	2	11012.5	2	52312.5	4	31662.5
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1	105250	0	0	1	105250	1	55000	2	27937.5	3	36958	2	80125	2	27937.5	4	54031.25
14	Kasaragod	4	0	0	0	0	0	0	2	22000	2	56250	4	39125	2	22000	2	56250	4	39125
State Total		40	6	55238	12	47822.92	18	50294.44	12	26185	10	34862.5	22	30129	18	35869.2	22	41931.82	40	39203.63

Table 12(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: ANNUAL

CROP: TAPIOCA

STATE SAMPLE

Sl.No	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers							Expts. Not treated with Fertilizers		
		No. of Expts.		Rate of Application		N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
		No.	Yield Rate	No.	Yield Rate										
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>	<i>15</i>	<i>16</i>
1	Thiruvananthapuram	4	34875	0	0	0	0	0	0	0	0	0	0	4	34875
2	Kollam	4	53937.5	0	0	0	0	0	0	0	0	0	0	4	53937.5
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	64906.25	0	0	0	0	0	0	0	0	0	0	4	64906.25
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	81000	1	50000	3	2	1	3	73416.67	119.33	18	660	1	103750
8	Thrissur	4	33812.5	0	0	0	0	0	0	0	0	0	0	4	33812.5
9	Palakkad	4	27406.25	2	28563	1	1	2	3	28625	40	40	519	1	23750
10	Malappuram	4	57875	0	0	0	0	0	0	0	0	0	0	4	57875
11	Kozhikode	4	52437.5	0	0	1	1	1	1	45000	141	100	136	3	54916.67
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	38531.25	0	0	2	0	0	2	41750	80.5	0	0	2	35312.5
14	Kasaragod	4	26937.5	0	0	0	0	0	0	0	0	0	0	4	26937.5
State Total		40	47171.88	3	35708	7	4	4	9	48291.67	95.21	52.67	438.33	31	46846.77

Unit : Kg/Hect

Table contd...

Table 12(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: ANNUAL

CROP:TAPIOCA

STATE SAMPLE

Sl. No.	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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
<i>1</i>	<i>2</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i>
1	Thiruvananthapuram	4	34875	4	34875	0	0	0	0	0	0	4	34875
2	Kollam	4	53937.5	4	53937.5	0	0	0	0	0	0	4	53937.5
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	43687.5	2	43687.5	2	86125	0	0	2	86125	2	43687.5
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	1	103750	3	91333.33	1	50000	2	85125	0	0	4	81000
8	Thrissur	4	33812.5	4	33812.5	0	0	0	0	0	0	4	33812.5
9	Palakkad	1	23750	2	26250	2	28562.5	1	28750	0	0	4	27406.25
10	Malappuram	4	57875	4	57875	0	0	0	0	0	0	4	57875
11	Kozhikode	3	54916.67	4	52437.5	0	0	1	45000	0	0	4	52437.5
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	35312.5	4	38531.25	0	0	2	41750	0	0	4	38531.25
14	Kasaragod	3	20416.67	3	20416.67	1	46500	0	0	1	46500	3	20416.67
State Total		28	44053.57	34	45911.76	6	54312.5	6	54583.33	3	72916.67	37	45084.46

Unit : Kg/Hect

Table 12(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: ANNUAL

CROP: TAPIOCA

CENTRAL SAMPLE

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers								Expts. Not treated with Fertilizers	
		No. of Expts.		Yield Rate		Rate of Application					No. of Expts.		Yield Rate		
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	15161.25	1	11375	2	2	2	3	10798.33	65.5	65.5	85	1	28250
2	Kollam	4	51950	0	0	0	0	0	0	0	0	0	0	4	51950
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	53062.5	0	0	1	1	2	2	51750	134	152	243	2	54375
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	57700	1	56250	4	1	2	4	57700	121.25	148	33.5	0	0
8	Thrissur	4	38375	0	0	1	1	1	2	38375	187	187	15	2	38375
9	Palakkad	4	30281.25	0	0	0	0	0	0	0	0	0	0	4	30281.25
10	Malappuram	4	20687.5	0	0	2	2	1	2	34375	69	69	39	2	7000
11	Kozhikode	4	31662.5	0	0	1	0	1	1	6275	43	0	56	3	40125
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	54031.25	0	0	0	0	0	0	0	0	0	0	4	54031.25
14	Kasargod	4	39125	0	0	0	0	0	0	0	0	0	0	4	39125
State Total		40	39203.63	2	33812.5	11	7	9	14	37033.57	103.29	124.3	78.58	26	40372.12

Unit : Kg/Hect

Table contd...

Table 12(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: ANNUAL

CROP:TAPIOCA

CENTRAL SAMPLE

Sl. No.	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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
<i>1</i>	<i>2</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i>
1	Thiruvananthapuram	1	28250	3	16423.33	1	11375	2	10510	0	0	4	15161.25
2	Kollam	4	51950	4	51950	0	0	0	0	0	0	4	51950
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	72125	3	58541.67	1	36625	2	51750	1	36625	3	58541.67
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	3	58183.33	1	0	3	58183.3	0	0	4	57700
8	Thrissur	2	38375	4	38375	0	0	2	38375	0	0	4	38375
9	Palakkad	3	21958.33	3	21958.33	1	55250	0	0	1	55250	3	21958.33
10	Malappuram	2	7000	4	20687.5	0	0	2	34375	0	0	4	20687.5
11	Kozhikode	3	40125	4	31662.5	0	0	1	6275	0	0	4	31662.5
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	3	53708.33	3	53708.33	1	55000	0	0	1	55000	3	53708.33
14	Kasargod	4	39125	4	39125	0	0	0	0	0	0	4	39125
State Total		23	39252.17	35	38675.57	5	31650	12	37570.4	3	48958.33	37	38412.7

Unit : Kg/Hect

Table 13(i)

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

STATE: KERALA

YEAR: 2020-21

STATE SAMPLE

SEASON: PERENNIAL

CROP: COCONUT

Sl.No.	District	No. of Experiments		At postharvest	Lost	Rejected for analysis	For which schedules are not received
		Planned	Checked at harvest				
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
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	6	6				
9	Palakkad	6	6				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasargod	4	4				
State Total		50	50				

Table 13(ii)

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

STATE: KERALA

YEAR: 2020-21

CENTRAL SAMPLE

SEASON: PERENNIAL

CROP: COCONUT

Sl. No.	District	No. of Experiments		At postharvest	Lost	Rejected for analysis	For which schedules are not received
		Planned	Checked at harvest				
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
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	Eranakulam	4	4				
8	Thrissur	6	6				
9	Palakkad	6	6				
10	Malappuram	6	6				
11	Kozhikode	4	4				
12	Wayanad	0	0				
13	Kannur	4	4				
14	Kasaragod	4	4				
State Total		50	50				

Table 13(iii)

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

STATE: KERALA

YEAR: 2020-21

SEASON: PERENNIAL

CROP: COCONUT

STATE SAMPLE

Sl. No.	District	No. of expts. Checked at harvest	HY Varieties						Other Varieties						Both HY & Others					
			Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total	
			No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	0	0	4	5255.05	4	5255.05	0	0	4	5255.05	4	5255.05
2	Kollam	4	0	0	0	0	0	0	0	0	4	6016.5	4	6016.5	0	0	4	6016.5	4	6016.5
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	0	0	0	0	0	0	0	0	4	7228.5	4	7228.5	0	0	4	7228.5	4	7228.5
5	Kottayam	4	0	0	0	0	0	0	0	0	4	3809.2	4	3809.2	0	0	4	3809.2	4	3809.2
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	0	0	0	0	0	0	1	5141	3	7231.4	4	6708.9	1	5141.4	3	7231.4	4	6708.9
8	Thrissur	6	0	0	0	0	0	0	6	7183	0	0	6	7182.53	6	7182.53	0	0	6	7182.53
9	Palakkad	6	0	0	0	0	0	0	2	7868	4	6126.45	6	6707.1	2	7868.4	4	6126.45	6	6707.1
10	Malappuram	6	0	0	0	0	0	0	2	17006	4	10660.4	6	12775.5	2	17005.6	4	10660.4	6	12775.47
11	Kozhikode	4	0	0	0	0	0	0	0	0	4	9804	4	9804	0	0	4	9804	4	9804
12	Wayanad	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	3	5460	1	3234	4	4903.5	3	5460	1	3234	4	4903.5
14	Kasaragod	4	0	0	0	0	0	0	2	9568	2	6691.2	4	8129.4	2	9567.6	2	6691.2	4	8129.4
State Total		50	0	0	0	0	0	0	16	8344	34	6879.74	50	7348.22	16	8343.74	34	6879.74	50	7348.22

Unit: no./hec.

Table 13(iv)

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

STATE: KERALA

YEAR: 2020-21

SEASON: PERENNIAL

CROP: COCONUT

CENTRAL SAMPLE

Sl. No.	District	No. of expts. Checked at harvest	HY Varieties						Other Varieties						Both HY & Others					
			Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total	
			No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	0	0	4	5357.2	4	5357.2	0	0	4	5357.2	4	5357.2
2	Kollam	4	0	0	0	0	0	0	0	0	4	8043	4	8043	0	0	4	8043	4	8043
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	0	0	0	0	0	0	0	0	4	9077.1	4	9077.1	0	0	4	9077.1	4	9077.1
5	Kottayam	4	0	0	0	0	0	0	0	0	4	1776.2	4	1776.2	0	0	4	1776.2	4	1776.2
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	4	0	0	0	0	0	0	4	4911.5	0	0	4	4911.5	4	4911.5	0	0	4	4911.5
8	Thrissur	6	1	7951.6	0	0	1	7951.6	4	7920.7	1	5232.4	5	7383.04	5	7926.88	1	5232.4	6	7477.8
9	Palakkad	6	0	0	0	0	0	0	2	7702.5	4	13722.3	6	11715.7	2	7702.5	4	13722.3	6	11715.7
10	Malappuram	6	0	0	0	0	0	0	3	10470.93	3	10269.9	6	10370.4	3	10470.9	3	10269.9	6	10370.4
11	Kozhikode	4	0	0	0	0	0	0	2	9352.5	2	7159.5	4	8256	2	9352.5	2	7159.5	4	8256
12	Wayanad	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	4284	2	6195	4	5239.5	2	4284	2	6195	4	5239.5
14	Kasargod	4	0	0	0	0	0	0	4	7374.6	0	0	4	7374.6	4	7374.6	0	0	4	7374.6
State Total		50	1	7951.6	0	0	1	7951.6	21	7377.05	28	7666.22	49	7542.29	22	7403.16	28	7666.22	50	7550.48

Unit: no./hec.

Table 13(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: PERENNIAL

CROP: COCONUT

STATE SAMPLE

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers							Expts. Not treated with Fertilizers		
		No.	Yield Rate (No/Hec)	No.	Yield Rate	No. of Expts.					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	4	5255.05	0	0	0	0	0	0	0	0	0	0	4	5255.05
2	Kollam	4	6016.5	0	0	0	0	0	0	0	0	0	0	4	6016.5
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	7228.5	0	0	2	0	0	2	6517.5	115	0	0	2	7939.5
5	Kottayam	4	3809.2	0	0	0	0	0	0	0	0	0	0	4	3809.2
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	6708.9	0	0	0	0	0	0	0	0	0	0	4	6708.9
8	Thrissur	6	7182.53	0	0	0	0	0	0	0	0	0	0	6	7182.53
9	Palakkad	6	6707.1	0	0	0	0	0	0	0	0	0	0	6	6707.1
10	Malappuram	6	12775.47	0	0	0	0	0	0	0	0	0	0	6	12775.47
11	Kozhikode	4	9804	0	0	0	0	0	0	0	0	0	0	4	9804
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	4903.5	0	0	1	0	0	1	6174	55	0	0	3	4480
14	Kasaragod	4	8129.4	0	0	2	2	2	2	9567.6	35	35	35	2	6691.2
State Total		50	7348.22	0	0	5	2	2	5	7668.84	68.33	35	35	45	7312.59

Unit: no./hec.

Table contd...

Table 13(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: PERENNIAL

CROP: COCONUT

STATE SAMPLE

Sl. No.	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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
<i>1</i>	<i>2</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i>
1	Thiruvananthapuram	0	0	0	0	4	5255.05	0	0	4	5255.05	0	0
2	Kollam	4	6016.5	4	6016.5	0	0	0	0	0	0	4	6016.5
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	2	6517.5	2	7939.5	2	6517.5	2	7939.5	2	6517.5
5	Kottayam	2	4579.6	2	4579.6	2	3038.8	0	0	2	3038.8	2	4579.6
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	3	7621.53	3	7621.53	1	3971	0	0	1	3971	3	7621.53
8	Thrissur	4	7096.7	4	7096.7	2	7354.2	0	0	2	7354.2	4	7096.7
9	Palakkad	1	9290.4	1	9290.4	5	6190.44	0	0	5	6190.44	1	9290.4
10	Malappuram	6	12775.47	6	12775.47	0	0	0	0	0	0	6	12775.47
11	Kozhikode	2	11631.5	2	11631.5	2	7976.5	0	0	2	7976.5	2	11631.5
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	5103	3	5460	1	3234	1	6174	1	3234	3	5460
14	Kasaragod	1	7180.8	3	8772	1	6201.6	2	9567.6	1	6201.6	3	8772
State Total		25	8442.78	30	8313.79	20	5899.85	5	7668.84	20	5899.85	30	8313.79

Unit: no./hec.

Table 13(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: PERENNIAL

CROP: COCONUT

CENTRAL SAMPLE

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers							Expts. Not treated with Fertilizers		
		No.	Yield Rate (No/Hec)	No.	Yield Rate	No. of Expts.					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	4	5357.2	1	6628.4	2	2	2	2	4676.2	50	25	100	2	6038.2
2	Kollam	4	8043	0	0	0	0	0	0	0	0	0	0	4	8043
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	4	9077.1	0	0	0	0	0	0	0	0	0	0	4	9077.1
5	Kottayam	4	1776.2	0	0	1	0	1	1	941.6	66	0	43	3	2054.4
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	4911.5	0	0	4	3	3	4	4911.5	103.5	99.67	99.67	0	0
8	Thrissur	6	7477.8	0	0	2	0	0	2	9558.4	144.5	0	0	4	6437.5
9	Palakkad	6	11715.7	0	0	1	1	0	1	5830.2	24	24	0	5	12892.8
10	Malappuram	6	10370.4	0	0	1	1	1	1	10208	81	34	39	5	10402.88
11	Kozhikode	4	8256	0	0	0	0	0	0	0	0	0	0	4	8256
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	5239.5	0	0	0	0	0	0	0	0	0	0	4	5239.5
14	Kasaragod	4	7374.6	0	0	0	0	0	0	0	0	0	0	4	7374.6
State Total		50	7550.48	1	6628.4	11	7	7	11	5917.73	78.17	45.67	70.42	39	8010.99

Unit: no./hec.

Table contd...

Table 13(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA YEAR: 2020-21

SEASON: PERENNIAL

CROP: COCONUT

CENTRAL SAMPLE

Sl. No.	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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
<i>1</i>	<i>2</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i>
1	Thiruvananthapuram	0	0	1	2724	3	6234.93	1	2724	2	6038.2	2	4676.2
2	Kollam	4	8043	4	8043	0	0	0	0	0	0	4	8043
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	2	7678.8	2	7678.8	2	10475.4	0	0	2	10475.4	2	7678.8
5	Kottayam	0	0	1	941.6	3	2054.4	1	941.6	3	2054.4	1	941.6
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Ernakulam	0	0	4	4911.5	0	0	4	4911.5	0	0	4	4911.5
8	Thrissur	2	6489	4	8023.7	2	6386	2	9558.4	2	6386	4	8023.7
9	Palakkad	3	7773.6	4	7287.75	2	20571.6	1	5830.2	2	20571.6	4	7287.75
10	Malappuram	2	10579.2	3	10455.47	3	10285.33	1	10208	3	10285.33	3	10455.47
11	Kozhikode	3	9001.33	3	9001.33	1	6020	0	0	1	6020	3	9001.33
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	5239.5	4	5239.5	0	0	0	0	0	0	4	5239.5
14	Kasargod	4	7374.6	4	7374.6	0	0	0	0	0	0	4	7374.6
State Total		24	7601.97	34	7085.7	16	8538.12	10	5846.66	15	8665.44	35	6633.85

Unit: no./hec.

Table 14(i)

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

STATE: KERALA

YEAR: 2020-21

STATE SAMPLE

SEASON: PERENNIAL

CROP: PEPPER

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

Table 14(ii)

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

STATE: KERALA

YEAR: 2020-21

CENTRAL SAMPLE

SEASON: PERENNIAL

CROP: PEPPER

Sl.No.	District	No. of Experiments		At postharvest	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	Eranakulam	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	Kasaragod	4	4				
State Total		40	40				

Table 14(iii)
ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES

STATE: KERALA			YEAR: 2020-21						SEASON: PERENNIAL						CROP: PEPPER						STATE SAMPLE					
Sl. No.	District	No. of expts. Checked at harvest	HY Varieties						Other Varieties						Both HY & Others											
			Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total							
			No. of 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.	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	Thiruvananthapuram	4	0	0	0	0	0	0	0	0	4	260.12	4	260.12	0	0	4	260.12	4	260.12						
2	Kollam	4	0	0	0	0	0	0	0	0	4	296.6	4	296.6	0	0	4	296.6	4	296.6						
3	Pathanamthitta	0	0	0	0	0	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	0	0	0	0	0						
5	Kottayam	4	0	0	0	0	0	0	0	0	4	332.35	4	332.35	0	0	4	332.35	4	332.35						
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
7	Ernakulam	4	0	0	1	1008.97	1	1008.97	0	0	3	491.53	3	491.53	0	0	4	620.89	4	620.89						
8	Thrissur	4	0	0	0	0	0	0	4	243	0	0	4	243.08	4	243.08	0	0	4	243.08						
9	Palakkad	4	2	647.51	0	0	2	647.51	1	299	1	267.64	2	283.4	3	531.39	1	267.64	4	465.46						
10	Malappuram	4	0	0	1	927.57	1	927.57	0	0	3	494.71	3	494.71	0	0	4	602.92	4	602.92						
11	Kozhikode	4	0	0	0	0	0	0	0	0	4	168.47	4	168.47	0	0	4	168.47	4	168.47						
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
13	Kannur	4	1	1151.22	0	0	1	1151.22	1	290	2	433.36	3	385.69	2	720.79	2	433.36	4	577.08						
14	Kasargod	4	2	625.47	0	0	2	625.47	0	0	2	891.64	2	891.64	2	625.47	2	891.64	4	758.56						
State Total		40	5	739.43	2	968.27	7	804.82	6	260	27	374.32	33	353.59	11	478.09	29	415.28	40	432.55						

Table 14(iv)

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

STATE: KERALA

YEAR: 2020-21

SEASON: PERENNIAL

CROP: PEPPER

CENTRAL SAMPLE

Sl. No.	District	No. of expts. Checked at harvest	HY Varieties						Other Varieties						Both HY & Others					
			Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total	
			No. of 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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	0	0	4	321.26	4	321.26	0	0	4	321.26	4	321.26
2	Kollam	4	0	0	0	0	0	0	0	0	4	339.32	4	339.32	0	0	4	339.32	4	339.32
3	Pathanamthitta	0	0	0	0	0	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	0	0	0	0	0
5	Kottayam	4	0	0	4	274.79	4	274.79	0	0	0	0	0	0	0	0	4	274.79	4	274.79
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	0	0	0	0	0	0	1	276.22	3	571.26	4	497.5	1	276.22	3	571.26	4	497.5
8	Thrissur	4	1	338.03	0	0	1	338.03	3	198.47	0	0	3	198.47	4	233.36	0	0	4	233.36
9	Palakkad	4	1	465.62	1	198.71	2	332.17	0	0	2	315.67	2	315.67	1	465.62	3	276.68	4	323.92
10	Malappuram	4	0	0	1	141.52	1	141.52	0	0	3	223.16	3	223.16	0	0	4	202.75	4	202.75
11	Kozhikode	4	0	0	0	0	0	0	0	0	4	198.9	4	198.9	0	0	4	198.9	4	198.9
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	0	0	2	473.69	2	473.69	2	384.59	0	0	2	384.59	2	384.59	2	473.69	4	429.14
14	Kasaragod	4	0	0	0	0	0	0	4	621.07	0	0	4	621.07	4	621.07	0	0	4	621.07
State Total		40	2	401.83	8	298.35	10	319.04	10	412.51	20	322.62	30	352.59	12	410.73	28	315.69	40	344.2

Table 14(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: PERENNIAL

CROP: PEPPER

STATE SAMPLE

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers							Expts. Not treated with Fertilizers		
		No.	Yield Rate	No.	Yield Rate	No. of Expts.				Rate of Application			No.	Yield Rate	
						N	P	K	Exclusive Total	Yield Rate	N	P			K
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>	<i>15</i>	<i>16</i>
1	Thiruvananthapuram	4	260.12	0	0	0	0	0	0	0	0	0	0	4	260.12
2	Kollam	4	296.6	0	0	0	0	0	0	0	0	0	0	4	296.60
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	332.35	0	0	0	0	0	0	0	0	0	0	4	332.35
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	620.89	0	0	0	0	0	0	0	0	0	0	4	620.89
8	Thrissur	4	243.08	0	0	0	0	0	0	0	0	0	0	4	243.08
9	Palakkad	4	465.46	0	0	1	1	0	1	299.17	20	20	0	3	520.88
10	Malappuram	4	602.92	0	0	2	0	0	2	591.01	46	0	0	2	614.84
11	Kozhikode	4	168.47	0	0	0	0	0	0	0	0	0	0	4	168.47
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	577.08	0	0	0	0	0	0	0	0	0	0	4	577.08
14	Kasaragod	4	758.56	0	0	2	2	2	2	625.47	47	47	47	2	891.64
State Total		40	432.55	0	0	5	3	2	5	546.43	37.67	33.5	47	35	416.28

Unit: kg/Ha

Table contd...

Table 14(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: PERENNIAL

CROP: PEPPER

STATE SAMPLE

Sl. No.	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. Not Treated with Fertilizers & Manure		Expts. 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	0	0	4	260.12	0	0	4	260.12	0	0
2	Kollam	1	442.89	1	442.89	3	247.84	0	0	3	247.84	1	442.89
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	4	332.35	4	332.35	0	0	0	0	0	0	4	332.35
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	1	1008.97	1	1008.97	3	491.53	0	0	3	491.53	1	1008.97
8	Thrissur	3	215.82	3	215.82	1	324.83	0	0	1	324.83	3	215.82
9	Palakkad	2	647.51	3	531.39	1	267.64	1	299.17	1	267.64	3	531.39
10	Malappuram	1	941.51	3	707.84	1	288.17	2	591.01	1	288.17	3	707.84
11	Kozhikode	1	239.04	1	239.04	3	144.94	0	0	3	144.94	1	239.04
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	1	1151.22	1	1151.22	3	385.69	0	0	3	385.69	1	1151.22
14	Kasaragod	2	891.64	4	758.56	0	0	2	625.47	0	0	4	758.56
State Total		16	552.42	21	551.00	19	301.64	5	546.43	19	301.64	21	551

Unit: Kg/ Ha

Table 14(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS
STATE: KERALA YEAR: 2020-21 SEASON: PERENNIAL CROP: PEPPER CENTRAL SAMPLE

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers								Expts. Not treated with Fertilizers	
		No. of Expts.		Yield Rate		Rate of Application					Yield Rate				
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	4	321.26	0	0	0	0	0	0	0	0	0	0	4	321.26
2	Kollam	4	339.32	0	0	0	0	0	0	0	0	0	0	4	339.32
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	274.79	0	0	0	0	0	0	0	0	0	0	4	274.79
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	497.5	0	0	1	0	0	1	276.22	11	0	0	3	571.26
8	Thrissur	4	233.36	0	0	1	0	0	1	316.04	53	0	0	3	205.80
9	Palakkad	4	323.92	0	0	0	0	0	0	0	0	0	0	4	323.92
10	Malappuram	4	202.75	0	0	0	0	0	0	0	0	0	0	4	202.75
11	Kozhikode	4	198.9	0	0	0	0	0	0	0	0	0	0	4	198.89
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kannur	4	429.14	0	0	0	0	0	0	0	0	0	0	4	429.14
14	Kasaragod	4	621.07	0	0	0	0	0	0	0	0	0	0	4	621.07
State Total		40	344.2	0	0	2	0	0	2	296.13	32	0	0	38	346.73

Unit: Kg/ha

Table contd...

Table 14(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: PERENNIAL

CROP: PEPPER

CENTRAL SAMPLE

Sl. No.	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. not Treated with Fertilizers & Manure		Expts. 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
<i>1</i>	<i>2</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i>
1	Thiruvananthapuram	1	118.79	1	118.79	3	388.75	0	0	3	388.75	1	118.79
2	Kollam	3	404.03	3	404.03	1	145.18	0	0	1	145.19	3	404.03
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	292.94	2	292.94	2	256.64	0	0	2	256.64	2	292.94
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	1	259.57	2	267.89	2	727.10	1	276.22	2	727.10	2	267.89
8	Thrissur	2	251.51	3	273.02	1	114.38	1	316.04	1	114.38	3	273.02
9	Palakkad	1	465.62	1	465.62	3	276.68	0	0	3	276.68	1	465.62
10	Malappuram	2	288.54	2	288.54	2	116.96	0	0	2	116.96	2	288.54
11	Kozhikode	2	132.35	2	132.35	2	265.44	0	0	2	265.44	2	132.35
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	429.14	4	429.14	0	0	0	0	0	0	4	429.14
14	Kasaragod	4	621.07	4	621.07	0	0	0	0	0	0	4	621.07
State Total		22	372.16	24	365.83	16	311.76	2	296.13	16	311.76	24	365.83

Unit: Kg/ha

Table 15(i)

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

STATE: KERALA

YEAR: 2020-21

STATE SAMPLE

SEASON: PERENNIAL

CROP: ARECANUT

Sl.No.	District	No. of Experiments		At postharvest	Lost	Rejected for analysis	For which schedules are not received
		Planned	Checked at harvest				
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
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	Eranakulam	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	Kasaragod	4	4				
State Total		40	40				

Table 15(ii)

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

STATE: KERALA

YEAR: 2020-21

CENTRAL SAMPLE

SEASON: PERENNIAL

CROP: ARECANUT

Sl. No.	District	No. of Experiments		At postharvest	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	Eranakulam	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	Kasaragod	4	4				
State Total		40	40				

Table 15(iii)

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

STATE: KERALA

YEAR: 2020-21

SEASON: PERENNIAL

CROP: ARECANUT

STATE SAMPLE

Sl. No.	District	No. of expts. Checked at harvest	HY Varieties						Other Varieties						Both HY & Others					
			Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total	
			No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	0	0	4	189.64	4	189.64	0	0	4	189.64	4	189.64
2	Kollam	4	0	0	0	0	0	0	0	0	4	896.36	4	896.36	0	0	4	896.36	4	896.36
3	Pathanamthitta	0	0	0	0	0	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	0	0	0	0	0
5	Kottayam	4	0	0	1	887.49	1	887.49	0	0	3	836.2	3	836.2	0	0	4	849.02	4	849.02
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	0	0	0	0	0	0	3	2128	1	832.53	4	1803.99	3	2127.81	1	832.53	4	1803.99
8	Thrissur	4	0	0	0	0	0	0	4	565	0	0	4	564.69	4	564.69	0	0	4	564.69
9	Palakkad	4	2	1351.37	0	0	2	1351.37	1	728	1	1011.51	2	869.81	3	1143.61	1	1011.51	4	1110.59
10	Malappuram	4	0	0	0	0	0	0	1	1969	3	1261.48	4	1438.39	1	1969.13	3	1261.48	4	1438.39
11	Kozhikode	4	0	0	0	0	0	0	0	0	4	1185.93	4	1185.93	0	0	4	1185.93	4	1185.93
12	Wayanad	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	1	2023	3	520.71	4	896.4	1	2023.48	3	520.71	4	896.4
14	Kasaragod	4	2	4513.41	0	0	2	4513.41	2	4111	0	0	2	4110.88	4	4312.15	0	0	4	4312.15
State Total		40	4	2932.39	1	887.49	5	2523.41	12	1799	23	816.82	35	1153.47	16	2082.14	24	819.77	40	1324.72

Unit: Kg/hect

Table 15(iv)

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

STATE: KERALA

YEAR: 2020-21

SEASON: PERENNIAL

CROP: ARECANUT

CENTRAL SAMPLE

Sl. No.	District	No. of expts. Checked at harvest	HY Varieties						Other Varieties						Both HY & Others					
			Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total		Irrigated		UN-Irrigated		Total	
			No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate	No. of expts.	Yield Rate
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	Thiruvananthapuram	4	0	0	0	0	0	0	0	0	4	745.37	4	745.37	0	0	4	745.37	4	745.37
2	Kollam	4	0	0	0	0	0	0	0	0	4	1881.56	4	1881.56	0	0	4	1881.56	4	1881.56
3	Pathanamthitta	0	0	0	0	0	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	0	0	0	0	0
5	Kottayam	4	0	0	3	1878.29	3	1878.29	0	0	1	644.43	1	644.43	0	0	4	1569.82	4	1569.82
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	0	0	0	0	0	0	4	1275.74	0	0	4	1275.74	4	1275.74	0	0	4	1275.74
8	Thrissur	4	0	0	0	0	0	0	4	924.03	0	0	4	924.03	4	924.03	0	0	4	924.03
9	Palakkad	4	2	1458.51	0	0	2	1458.51	2	1112.89	0	0	2	1112.89	4	1285.7	0	0	4	1285.7
10	Malappuram	4	0	0	0	0	0	0	0	0	4	958.93	4	958.93	0	0	4	958.93	4	958.93
11	Kozhikode	4	0	0	1	1147.37	1	1147.37	1	1206.53	2	1361.84	3	1310.07	1	1206.53	3	1290.35	4	1269.4
12	Wayanad	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	1136.18	2	1079.52	4	1107.85	2	1136.18	2	1079.52	4	1107.85
14	Kasaragod	4	0	0	0	0	0	0	3	2307.42	1	2286.29	4	2302.14	3	2307.42	1	2286.29	4	2302.14
	State Total	40	2	1458.51	4	1695.56	6	1616.54	16	1339.12	18	1230.94	34	1281.85	18	1352.39	22	1315.41	40	1332.05

Unit : Kg/ hect

Table 15(v)
CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS
STATE: KERALA YEAR: 2020-21 SEASON: PERENNIAL CROP: ARECANUT STATE SAMPLE

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers								Expts. Not treated with Fertilizers	
		No.	Yield Rate	No.	Yield Rate	No. of Expts.					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	4	189.64	0	0	0	0	0	0	0	0	0	0	4	189.64
2	Kollam	4	896.36	0	0	0	0	0	0	0	0	0	0	4	896.36
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	849.02	0	0	0	0	0	0	0	0	0	0	4	849.02
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	1803.99	0	0	0	0	0	0	0	0	0	0	4	1803.99
8	Thrissur	4	564.69	0	0	0	0	0	0	0	0	0	0	4	564.69
9	Palakkad	4	1110.59	1	1700.44	0	0	1	1	1700.44	0	0	42	3	913.97
10	Malappuram	4	1438.40	0	0	0	0	0	0	0	0	0	0	4	1438.39
11	Kozhikode	4	1185.93	0	0	0	0	0	0	0	0	0	0	4	1185.93
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	896.4	0	0	0	0	0	0	0	0	0	0	4	896.4
14	Kasaragod	4	4312.15	0	0	2	2	1	2	4513.41	25	25	25	2	4110.88
State Total		40	1324.72	1	1700.44	2	2	2	3	3575.75	25	25	33.5	37	1142.2
Unit: Kg/hect														Table contd....	

Table 15(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: PERENNIAL

CROP: ARECANUT

STATE SAMPLE

Sl. No.	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. not Treated with Fertilizers & Manure		Expts. 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	2	152.14	2	152.14	2	298.99	0	0	2	227.15	2	152.14
2	Kollam	0	0	0	0	4	896.36	0	0	4	896.36	0	0
3	Pathanamthitta	0	0	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	0	0	0	0	4	849.02	0	0	4	849.02	0	0
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	1	3769.63	1	3769.63	3	1148.78	0	0	3	1148.78	1	3769.63
8	Thrissur	3	543.23	3	543.23	1	629.05	0	0	1	629.05	3	543.23
9	Palakkad	0	0	0	0	4	1110.59	0	0	3	822.57	1	1700.44
10	Malappuram	3	1353.92	3	1353.92	1	3383.64	0	0	1	1691.82	3	1353.92
11	Kozhikode	1	1633.36	1	1633.36	3	1036.79	0	0	3	1036.79	1	1633.36
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	1308.18	2	1308.18	2	484.62	0	0	2	484.62	2	1308.18
14	Kasaragod	2	4110.88	4	4312.15	0	0	2	4513.41	0	0	4	4312.15
State Total		14	1588.35	16	1953.98	24	981.69	2	4513.41	23	858.71	17	1939.07

Unit: Kg/hect

Table 15(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS
STATE: KERALA YEAR: 2020-21 SEASON: PERENNIAL CROP: ARECANUT CENTRAL SAMPLE

Sl. No.	District	Expts. Checked at Harvest stage		Expts. Treated with Fertilizers only		Expts. With Fertilizers							Expts. Not treated with Fertilizers		
						No. of Expts.					Rate of Application				
		No.	Yield Rate	No.	Yield Rate	N	P	K	Exclusive Total	Yield Rate	N	P	K	No.	Yield Rate
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i>	<i>14</i>	<i>15</i>	<i>16</i>
1	Thiruvananthapuram	4	745.37	0	0	0	0	0	0	0	0	0	0	4	745.37
2	Kollam	4	1881.56	0	0	0	0	0	0	0	0	0	0	4	1881.56
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	1569.82	0	0	1	0	1	1	1924.37	90	0	117	3	1451.64
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	4	1275.74	0	0	0	0	0	0	0	0	0	0	4	1275.74
8	Thrissur	4	924.03	0	0	0	0	0	0	0	0	0	0	4	923.42
9	Palakkad	4	1285.69	2	1458.51	2	0	2	2	1458.51	130.5	0	199.5	2	1112.89
10	Malappuram	4	958.93	0	0	0	0	0	0	0	0	0	0	4	958.93
11	Kozhikode	4	1269.39	0	0	0	0	0	0	0	0	0	0	4	1269.39
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	4	1107.85	0	0	0	0	0	0	0	0	0	0	4	1107.85
14	Kasaragod	4	2302.14	0	0	0	0	0	0	0	0	0	0	4	2302.14
State Total		40	1332.05	2	1458.51	3	0	3	3	1613.8	110.25	0	158.3	37	1309.14
Unit: Kg/hect														Table contd...	

Table 15(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2020-21

SEASON: PERENNIAL

CROP: ARECANUT

CENTRAL SAMPLE

Sl. No.	District	Expts. Treated with manure only		Expts. Treated with manure		Expts. Not Treated with manure		Expts. Treated (both) with Fertilizers & Manure		Expts. not Treated with Fertilizers & Manure		Expts. 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
<i>1</i>	<i>2</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i>
1	Thiruvananthapuram	1	1916.51	1	1916.51	3	354.99	0	0	3	354.99	1	1916.51
2	Kollam	2	1404.33	2	1404.33	2	2358.78	0	0	2	2358.78	2	1404.33
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	965.53	2	1444.95	2	1694.69	1	1924.37	2	1694.69	2	1444.95
6	Idukki	0	0	0	0	0	0	0	0	0	0	0	0
7	Eranakulam	2	1687.25	2	1687.25	2	864.23	0	0	2	864.23	2	1687.25
8	Thrissur	1	1555.83	1	1555.83	3	712.62	0	0	3	712.62	1	1555.83
9	Palakkad	2	1112.89	2	1112.89	2	1458.51	0	0	0	0	4	1285.69
10	Malappuram	0	0	0	0	4	958.93	0	0	4	958.93	0	0
11	Kozhikode	3	1211.46	3	1211.47	1	1443.19	0	0	1	1443.19	3	1211.47
12	Wayanad	0	0	0	0	0	0	0	0	0	0	0	0
13	Kannur	2	1192.84	2	1192.84	2	1022.87	0	0	2	1022.87	2	1192.84
14	Kasaragod	3	2307.42	3	2307.42	1	2286.29	0	0	1	2286.29	3	2307.42
State Total		17	1517.01	18	1539.64	22	1162.1	1	1924.37	20	1132.46	20	1531.53

Unit: Kg/hect

Table 16(i)

State wise Position of Supply and Use of Equipments
State: Kerala **Year: 2020-21**

Crop	Agency	Item of Equipment	No of experiments supervised (Harvest and Postharvest) for which equipment was												Information about supply not available	Total of columns 8,13 & 14
			Supplied						Not Supplied							
			And Used	But used locally procured one		But not used though required	But not required to be used	Total	Used locally procured one		And also not used though required	As not required	Total			
				Standard	Non-Standard				Standard	Non-Standard						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Paddy (Autumn)	S	Tape	100	0	0	0	0	100	0	0	0	0	0	0	0	100
		Balance	100	0	0	0	0	100	0	0	0	0	0	0	0	100
		Weight	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Pegs	100	0	0	0	0	100	0	0	0	0	0	0	0	100
	C	Tape	98	0	0	0	0	98	2	0	0	0	2	0	0	100
		Balance	91	7	0	0	0	98	2	0	0	0	2	0	0	100
		Weight	9	0	0	1	4	14	0	0	1	5	6	0	0	20
		Pegs	46	11	5	0	0	62	13	25	0	0	38	0	0	100
Paddy (Winter)	S	Tape	100	0	0	0	0	100	0	0	0	0	0	0	0	100
		Balance	96	4	0	0	0	100	0	0	0	0	0	0	0	100
		Weight	3	4	0	0	0	7	0	0	0	0	0	0	0	7
		Pegs	96	4	0	0	0	100	0	0	0	0	0	0	0	100
	C	Tape	94	5	0	0	0	99	1	0	0	0	1	0	0	100
		Balance	90	9	0	0	0	99	1	0	0	0	1	0	0	100
		Weight	13	0	0	0	4	17	0	0	0	3	3	0	0	20
		Pegs	36	19	2	0	0	57	16	25	0	0	41	0	0	98
Paddy (Summer)	S	Tape	100	0	0	0	0	100	0	0	0	0	0	0	0	100
		Balance	96	4	0	0	0	100	0	0	0	0	0	0	0	100
		Weight	3	1	0	0	0	4	0	0	0	0	0	0	0	4
		Pegs	98	2	0	0	0	100	0	0	0	0	0	0	0	100
	C	Tape	93	2	0	0	1	96	2	0	0	0	2	0	0	98
		Balance	87	2	0	0	1	90	8	0	0	0	8	0	0	98
		Weight	3	0	0	0	2	5	0	0	0	6	6	0	0	11
		Pegs	44	11	2	0	3	60	19	19	0	0	38	0	0	98

Table 16(ii)

State wise Position of Supply and Use of Equipments
State: Kerala **Year: 2020-21**

Crop	Agency	Item of Equipment	No of experiments supervised (Harvest and Post harvest) for which equipment was												Information about supply not available	Total of columns 8,13 & 14
			Supplied						Not Supplied							
			And used	But used locally procured one		But not used though required	But not required to be used	Total	Used locally procured one		And also not used though required	As not required	Total			
				Standard	Non-Standard				Standard	Non-Standard						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Tapioca	S	Tape	40	0	0	0	0	40	0	0	0	0	0	0	0	40
		Balance	38	2	0	0	0	40	0	0	0	0	0	0	0	40
		Weight	3	1	0	0	0	4	0	0	0	0	0	0	0	4
		Pegs	31	3	0	0	3	37	0	0	1	2	3	0	0	40
	C	Tape	34	1	0	0	1	36	3	1	0	0	4	0	0	40
		Balance	34	2	0	0	0	36	3	1	0	0	4	0	0	40
		Weight	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Pegs	12	6	0	0	1	19	5	1	0	11	17	0	0	36
Banana	S	Tape	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Balance	48	2	0	0	0	50	0	0	0	0	0	0	0	50
		Weight	7	0	0	0	0	7	0	0	0	0	0	0	0	7
		Pegs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	C	Tape	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Balance	36	4	0	0	0	40	0	0	0	0	0	0	0	40
		Weight	2	2	0	0	0	4	0	0	0	0	0	0	0	4
		Pegs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coconut	S	Tape	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Weight	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Pegs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	C	Tape	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Weight	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Pegs	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 16(ii)

State wise Position of Supply and Use of Equipments
State: Kerala **Year: 2020-21**

Crop	Agency	Item of Equipment	No of experiments supervised (Harvest and Postharvest) for which equipment was												Information about supply not available	Total of columns 8,13 & 14
			Supplied						Not Supplied							
			And used	But used locally procured one		But not used though required	But not required to be used	Total	Used locally procured one		And also not used though required	As not required	Total			
				Standard	Non-Standard				Standard	Non-Standard						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Pepper	S	Tape	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Balance	36	4	0	0	0	40	0	0	0	0	0	0	40	
		Weight	2	2	0	0	0	4	0	0	0	0	0	0	4	
		Pegs	0	0	0	0	0	0	0	0	0	0	0	0	0	
	C	Tape	0	0	0	0	8	8	0	0	0	0	0	0	8	
		Balance	38	0	0	0	0	38	2	0	0	0	2	0	40	
		Weight	6	0	0	0	2	8	0	0	0	0	0	0	8	
		Pegs	0	0	0	0	8	8	0	0	0	0	0	0	8	
Arecanut	S	Tape	0	0	0	0	0	0	0	0	0	0	0	0	0	
		Balance	38	2	0	0	0	40	0	0	0	0	0	0	40	
		Weight	4	0	0	0	0	4	0	0	0	0	0	0	4	
		Pegs	0	0	0	0	0	0	0	0	0	0	0	0	0	
	C	Tape	0	0	0	0	2	2	0	0	0	5	5	0	7	
		Balance	37	1	0	0	0	37	3	0	0	0	3	0	40	
		Weight	2	0	0	0	6	8	0	0	0	0	0	0	8	
		Pegs	0	0	0	0	2	2	0	0	0	6	6	0	8	

Table 17(i)

Comparison of Yield Rates (Kg/Ha) of Rice Under GCES and ICS

State: Kerala

Year: 2020-21

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	2772	1997.51	2282.62	2537	2394.44	1636.91	2517	2457.2	1865.31
2	Kollam	2062	2455.64	2546.16	2182	2063.4	2379.27	2862	1513.16	1801.66
3	Pathanamthitta	2118	2473.61	1531.86	2570	3483.39	1966.88	3082	2095.95	3146.17
4	Alappuzha	2493	1707.82	1036.71	2716	1816.72	2480.16	3438	2629.19	2755.4
5	Kottayam	2274	3029.87	1895.02	2821	1663.99	2818.22	3173	3614.1	1993.41
6	Idukki	2079	3046.11	1543.58	2450	2658.92	2436.58	2538	2987.65	2689.32
7	Ernakulam	1800	2053.35	2066.68	2479	2571.67	2544.5	2454	1587.11	2373.43
8	Thrissur	2398	1781.97	2078.07	3483	2692.49	2546.95	4121	4068.27	3718.38
9	Palakkad	2831	2711.17	2535.3	3547	3100.72	3875.71	3250	3223.21	3335.62
10	Malappuram	2095	2455.75	2336.43	3037	2737.42	2553.29	3831	3254.78	3399.73
11	Kozhikode	1514	1185.52	1625.21	1062	911.19	1631.45	1762	1707.52	2306.28
12	Wayanad	0	0	0	2865	1635.03	2128.55	2831	3142.63	2495.27
13	Kannur	2238	2413.04	2573.09	2341	2507.47	2481.16	1500	0	1557.28
14	Kasargod	2302	2766.86	2104.84	1801	1822	2309.75	2323	743.73	2395.34
State Total		2643	2206.38	2030.83	3165	2343.58	2464.33	3464	2417.06	2640.34

Table 17(ii)

Comparison of Yield Rates (Kg/Ha) of Important Crops Under GCES and ICS

State: Kerala

Year: 2020-21

Sl. No.	District	Tapioca (Kg/Ha)			Banana (Kg/Ha)		
		GCES	ICS		GCES	ICS	
			State Sample	Central Sample		State Sample	Central Sample
1	Thiruvananthapuram	37200	34875	15161.25	8862	14033.33	13965
2	Kollam	45481	53937.5	51950	6416	13283.33	16850
3	Pathanamthitta	50546	0	0	8570	0	0
4	Alappuzha	50717	0	0	7085	16375	14965
5	Kottayam	53731	64906.25	53062.5	9325	20750	17213
6	Idukki	53905	0	0	9393	0	0
7	Eranakulam	56080	103750	57700	9644	13583.33	16216.67
8	Thrissur	59203	33812.5	38375	9989	21877.78	19295.56
9	Palakkad	56537	23750	30281.25	11200	18055.56	19783.33
10	Malappuram	41321	57875	20687.5	6017	17411.11	16838.89
11	Kozhikode	39567	54916.67	31662.5	11440	16083.33	14345
12	Wayanad	48397	0	0	9913	0	0
13	Kannur	47907	35312.5	54031.25	9906	13108.33	15666.67
14	Kasaragod	38336	26937.5	39125	9603	18691.67	17258.33
State Total		47127	46846.77	39203.63	9432	16954	16828.51

Table 17(ii)

Comparison of Yield Rates (Kg/Ha) of Important Crops Under GCES and ICS

State: Kerala

Year: 2020-21

Sl. No.	District	Coconut (No./Ha)			Pepper (Kg/Ha)			Arecanut (Kg/Ha)		
		GCES	ICS		GCES	ICS		GCES	ICS	
			State Sample	Central Sample		State Sample	Central Sample		State Sample	Central Sample
1	Thiruvananthapuram	5561	5255.05	5357.2	317	260.12	321.26	361	189.64	745.37
2	Kollam	5731	6016.5	8043	299	296.6	339.32	675	896.36	1881.56
3	Pathanamthitta	5067	0	0	320	0	0	699	0	0
4	Alappuzha	5369	7228.5	9077.1	184	0	0	291	0	0
5	Kottayam	3871	3809.2	1776.2	352	332.35	274.79	792	849.02	1569.82
6	Idukki	3136	0	0	449	0	0	1063	0	0
7	Eranakulam	4871	6708.9	4911.5	230	620.89	497.5	628	1803.99	1275.74
8	Thrissur	6136	7182.53	7477.8	283	243.08	233.36	751	564.69	924.03
9	Palakkad	8115	6707.1	11715.7	420	465.46	323.92	782	1110.59	1285.7
10	Malappuram	7375	12775.47	10370.4	243	602.92	202.75	787	1438.39	958.93
11	Kozhikode	6422	9804	8256	251	168.47	198.9	951	1185.93	1269.4
12	Wayanad	5509	0	0	443	0	0	929	0	0
13	Kannur	5210	4903.5	5239.5	393	577.08	429.14	838	896.4	1107.85
14	Kasaragod	8326	8129.4	7374.6	506	758.56	621.07	2029	4312.15	2302.14
State Total		6226	7348.22	7550.48	409	432.55	344.2	1068	1324.72	1332.05

Table 17(iii)

TREND OF YIELD RATES (Kg/Ha) OF PADDY UNDER GCES & ICS 2016-17 to 2020-21

YEAR	AUTUMN			WINTER			SUMMER		
	CENTRAL	STATE	GCES	CENTRAL	STATE	GCES	CENTRAL	STATE	GCES
2016-17	2322	2428.59	2954	2133.83	1972.26	1957	2321.42	2590.67	3006
2017-18	1902.8	1902.01	2699	2136.11	2159.47	2699	2508.26	2469.65	3088
2018 -19	1564.62	1690.98	1679	2578.17	2347.09	3160	2405.42	2700.39	4028
2019-20	1883.37	1787.09	2614	2486.21	2459.75	3058	2377.55	2486.2	3540
2020 -21	2030.83	2206.38	2643	2464.33	2343.58	3165	2640.34	2417.06	3464

List of Abbreviations used

Sl. No.	Abbreviation	Expanded form
1	C	Central Sample
2	S	State Sample
3	ICS	Improvement of Crop Statistics
4	GCES	General Crop Estimation Survey
5	HY	High Yielding
6	L	Local variety
7	I	Irrigated
8	UI	Un-irrigated
9	H	Harvested
10	T	Total planned
11	Kg	Kilogram
12	Ha	Hectare
13	N	Nitrogen
14	P	Phosporous
15	K	Potassium
16	NR	Non-Reporting
17	Expts	Experiments
18	F	Fertilizer
19	HYV	High Yielding Variety



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