



GOVERNMENT OF KERALA

**ANNUAL REVIEW OF CROP STATISTICS
SYSTEM IN KERALA THROUGH THE
SCHEME FOR IMPROVEMENT OF CROP
STATISTICS 2024-25**

**DEPARTMENT OF ECONOMICS & STATISTICS
KERALA**

PREFACE

The Department of Economics and Statistics continues to function as the nodal agency for the collection and compilation of agricultural statistics in the State. At the national level, the Ministry of Agriculture and Farmers' Welfare, Government of India, is implementing the Central Sector Scheme *Improvement of Agricultural Statistics (IAS)*, under which the *Establishment of an Agency for Reporting Agricultural Statistics (EARAS)* is being implemented in non-land record States such as Kerala.

Under the EARAS Scheme, essential information on land use, crop area, crop production, yield rates, irrigation and other related agricultural parameters is systematically collected. These statistics serve as a vital input for agricultural planning, policy formulation and development programmes of both the Central and State Governments.

The National Statistics Office (NSO), functioning under the Ministry of Statistics and Programme Implementation, Government of India, plays a key role in strengthening this system by providing technical guidance and training to State field staff, thereby ensuring the quality, accuracy and timeliness of crop statistics.

In order to minimise non-sampling errors and to assess the reliability of crop statistics, the National Statistics Office (Field Operations Division) and the State Government conduct independent sample checks using two distinct samples. This approach forms the basis of the *Improvement of Crop Statistics (ICS)* Scheme, which was introduced in 1975-76 with the objective of improving the crop statistics system through technical supervision of field operations and implementation of corrective measures.

The Directorate of Economics and Statistics (DES) brings out the results of the ICS Scheme every year in the form of an Annual Review. The present report titled **“Annual Review of Crop Statistics System in Kerala through the Scheme for Improvement of Crop Statistics 2024-25”** has been prepared by the EARAS Division of the Directorate of Economics and Statistics, Government of Kerala.

I place on record my appreciation for the dedicated efforts of the officers and staff of the EARAS Division under the leadership of Sri. Gopakumar S, Joint Director, and for the valuable guidance provided by Smt. Leeladevi S, Additional Director. I am confident that this report will further contribute to strengthening and improving the implementation of the EARAS Scheme in the State.

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EXECUTIVE SUMMARY

In order to enhance the accuracy and dependability of area and yield data, Improvement of Crop Statistics (ICS) was implemented in the fiscal year 1975-76. NSO and Department of Economics & Statistics are collaborating to conduct sample check study and produce reports in order to identify flaws in area enumeration and crop estimation surveys under EARAS scheme and provide recommendations for improvement in Crop Statistics.

Area Enumeration

1. Timeliness of completion of Girdawari during the Autumn, Winter and Summer seasons for the Central samples is 97.5%, 96.25%, and 100%, and for the State Samples it is 100% for all three seasons. During the Summer Dry season, the timeliness is 90% for the Central Sample and 95% for the State Sample.
2. EARAS statements were submitted on time after the completion of Girdawari in 85% of cases during the Autumn season, 87.5% during the Winter season, 80% during the Summer season, and 53.75% during the Summer Dry season for the Central Samples. The corresponding figures for the State Samples were 100%, 100%, 100%, and 86.25%, respectively.
3. Information regarding the date of submission of the EARAS statement was not reported in 1.25% of cases during Autumn and 2.5% of cases during Winter for Central Samples.
4. Crop area observed by the ICS supervisors and that reported by primary workers did not match in some cases. No error occurred in Autumn for Central samples. Non reporting of crops actually grown in 3.18% of Central Samples in Winter, reporting of crops actually not grown in 12.50% of Central Samples in Summer season. No error reported in all three seasons for State Samples.

5. For the year 2024-25, 100%, 96.82% and 87.5% experiments of Central Samples and 100%, 100% and 100% of State Sample were found to be free from procedural errors during Autumn, Winter and Summer respectively.
6. It is seen that in some cases, EARAS statements were submitted by the due date without completing Girdawari. Specifically, 1.25% of Central samples in Autumn and Winter, 2.5% of Central samples in Summer, and 1.25% of Central samples and 3.75% of State samples in the Summer Dry season were submitted by the due date without completing Girdawari.
7. It is observed that in some cases, EARAS statements were not submitted even though Girdawari was completed. Specifically, 1.25% of cases in the Winter season, 38.75% of Central samples in the Summer Dry season, and 5% of State samples in the Summer Dry season fall under this category.

Crop cutting Experiments

1. The participation of Supervisors in the sample check of Crop Cutting Experiments at the harvest stage was 100% for Central samples in Autumn, 98% in Winter, and 100% in Summer. For State samples, the participation was 99% in Autumn and 100% in both Winter and Summer during the year 2024–25.
2. Standard equipments supplied by the department are used in crop cutting experiments for Central and State Samples.

PART I

INTRODUCTION

1. 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 through 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 equipment's 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.

Objectives

The scheme accomplishes its objectives by conducting sample check study on the primary fieldwork 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 check studies 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.

Four clusters are chosen and located inside each designated Investigator zone as part of the sample check area enumeration operation. The supervisory officer from NSO or DES uses all available methods to determine variances in crop reporting and recording in the relevant survey data for each season, as well as variations in land use reporting.

The Investigator's examination of crop cutting experiments during the harvest stage involves ensuring that the conduct adheres to the procedures outlined in GCES. This inspection encompasses evaluating the selection of fields and random coordinates, marking experimental plots of specified shape and size, harvesting, weighing the produce, and other relevant aspects. Additionally, the inspection involves verifying the supply and use of equipment for conducting the experiments, assessing the training received by the primary workers, evaluating the crop condition, and confirming the appropriate use of inputs.

The data collected through the sample check are analyzed 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 experiment, 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, in 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 covering 20% of the selected villages was done in each year. The first cycle of the survey was completed within a period of five years from 1975-76 to 1979-80 and the second cycle completed in 1984-85. During 1993-94 the Investigator Zones were recognized by suiting the villages to Panchayats. From 2000-01 onwards the part Panchayats was 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 is 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)

The main objective in forming DLCs is to probe into the reasons for the wide difference or unusual similarity between the crop wise 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 study on area enumeration under the scheme for Improvement of Crop Statistics (ICS). **District Level Committee (Joint Study) would be formed in two districts where the differences between the two sets of figures are quite large or negligible would be selected.**

The DLC would, however confine itself to the spot verification of entries as recorded in Block 3.3 of schedule AS 1.0 (Sample Check on Area Enumeration). The districts selected in the previous year may not be considered for the selection for the current year. **In 2024-25, Idukki and Thiruvananthapuram** districts were selected for the Joint Study.

PART II

Analysis of Data 2024-25

2.1 Check on Area Enumeration

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

1) Response in Sample Check on Area Enumeration during 2024-25

The response in sample check on area enumeration ie; the number of Investigator zones for which filled in schedules were received during 2024-25 is presented in Tables-1&1(a). The response was 100% for all seasons and across all districts for both the Central & State Sample.

Table -1

RESPONSE IN SAMPLE CHECK ON ENUMERATION OF AREA DURING 2024-25

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

Table-1 (a)

RESPONSE IN SAMPLE CHECK ON ENUMERATION OF AREA DURING 2024-25

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	4	100
		S	4	100
3	Pathanamthitta	C	4	100
		S	4	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

2) Completion of Area Enumeration under EARAS

The Investigator is required to complete the EARAS survey 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 2024-25 is given in Table-2&2(a). Timeliness of completion of Girdawari in Autumn, Winter and Summer season for Central samples is 97.5%, 96.25%, and 100%, and for the State Samples it is 100% for all three seasons. During the Summer Dry season, the timeliness is 90% for the Central Sample and 95% for the State Sample.

For Central Samples, Girdawari was completed after the due date for 33.33% in Alappuzha and 14.29% in Malappuram during Autumn; 25% in Kollam and 14.29% in Malappuram during Winter.

During Winter, the date of completion of Girdawari was not recorded in 12.50% of samples in Idukki for Central samples.

During summer Dry, the date of completion of Girdawari was not recorded in 66.67% of samples in Alappuzha, 12.5% of samples in Idukki and 20% of samples in Ernakulam for Central samples.

Girdawari was partially completed in 25% of samples in Pathanamthitta, 33.33% of samples in Kozhikkode for Central samples and 57.14% of samples in Kannur for State Samples during Summer Dry.

CHART-1
COMPLETION OF GIRDAWARI 2024-25 AUTUMN

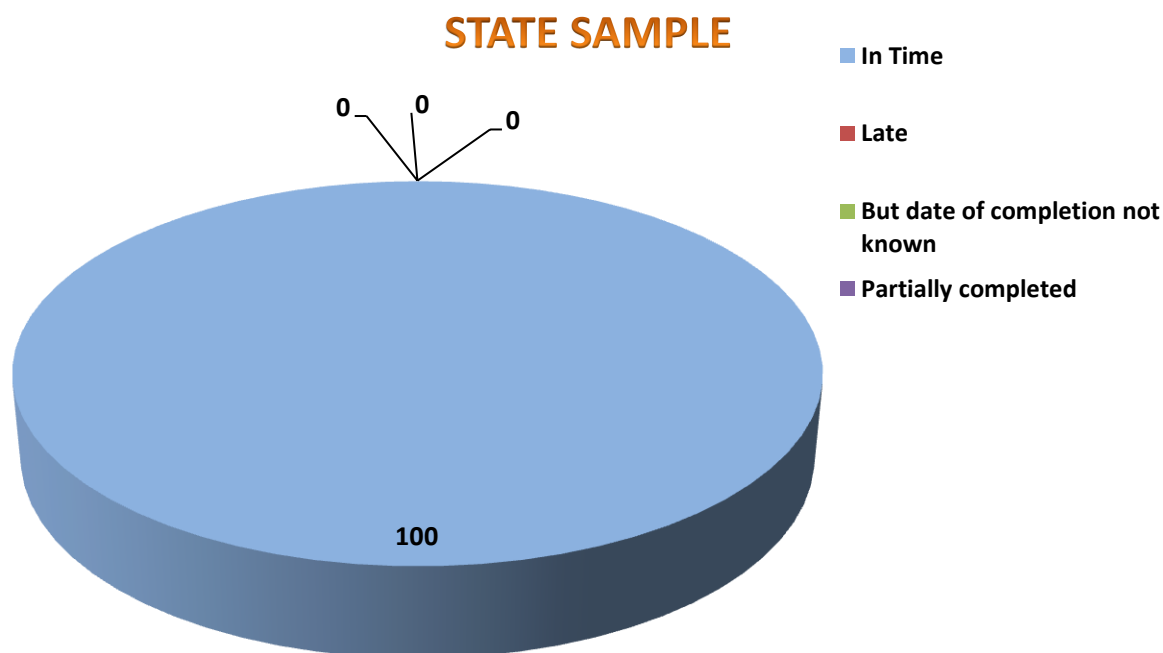
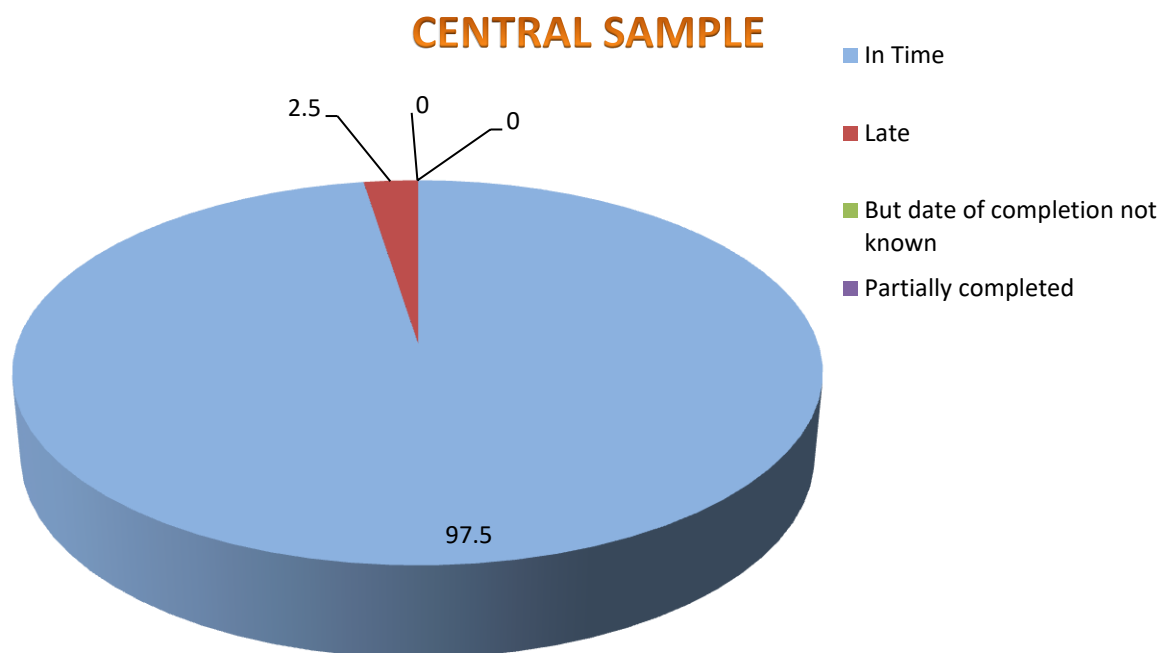


CHART-2
COMPLETION OF GIRDAWARI 2024-25 WINTER

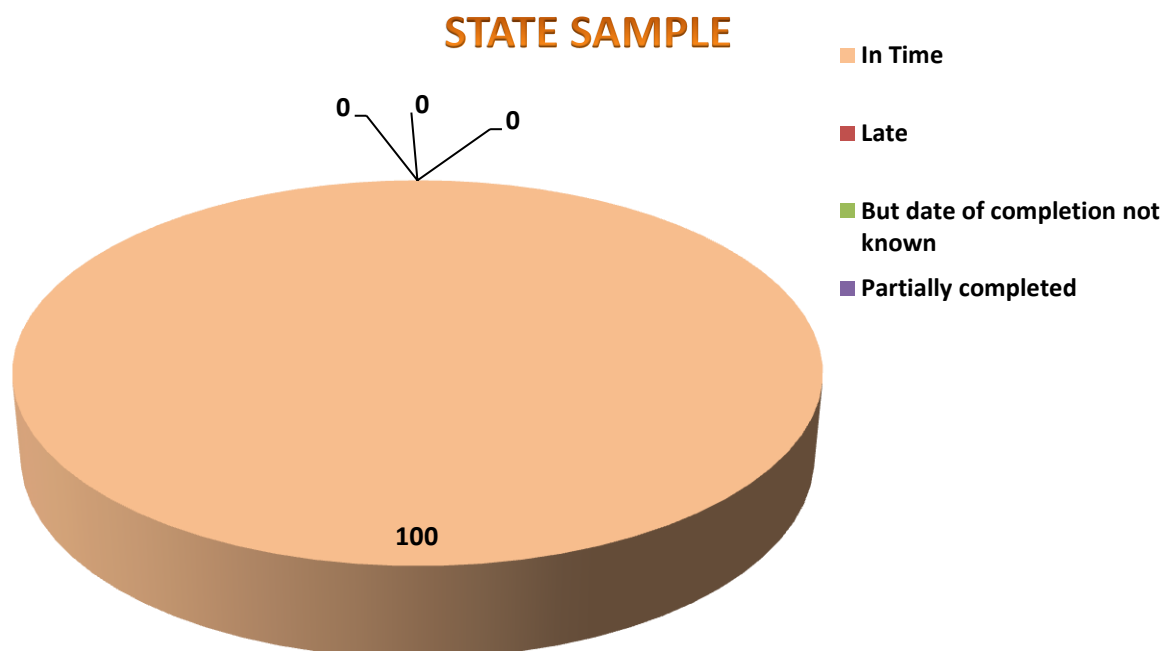
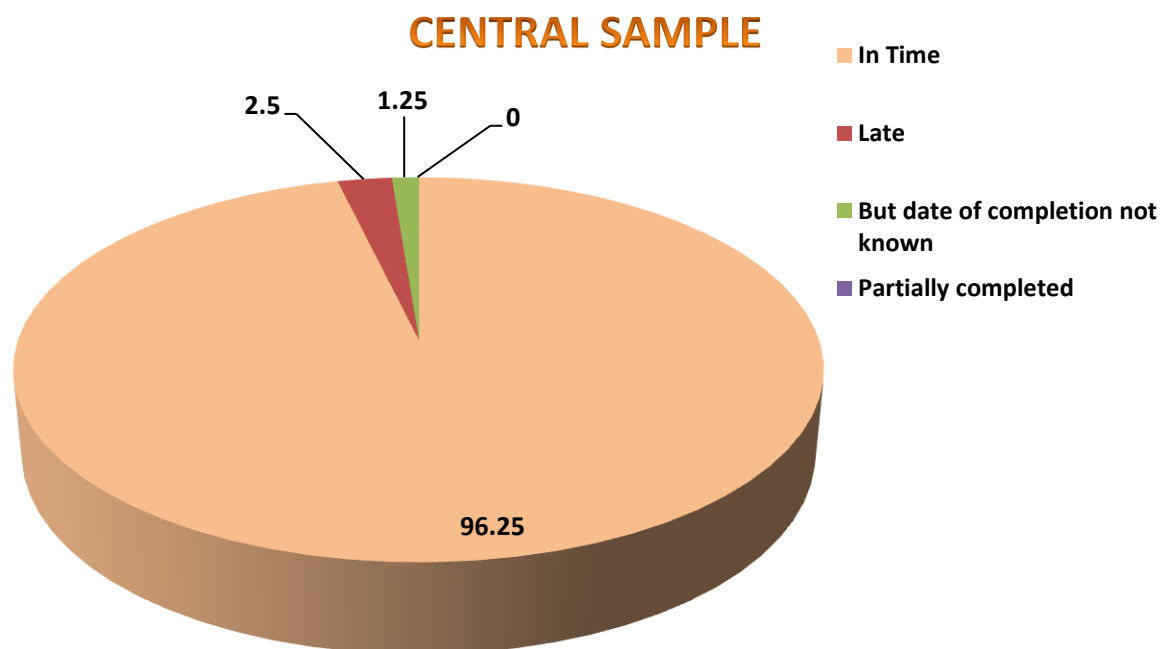


CHART-3
COMPLETION OF GIRDAWARI 2024-25 SUMMER

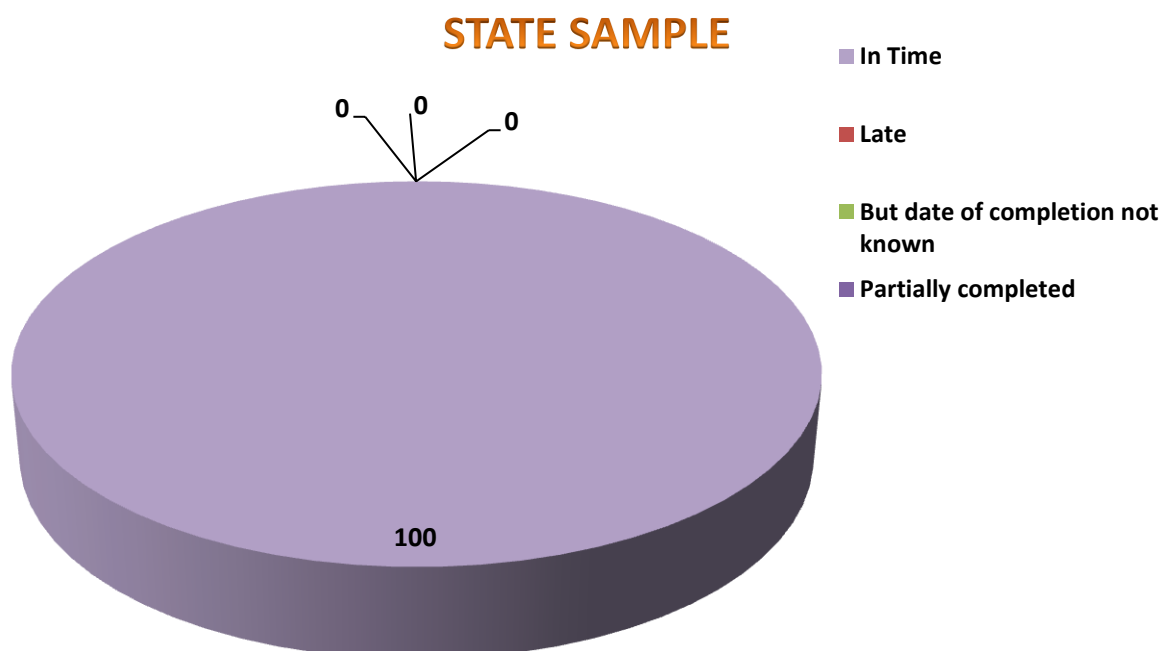
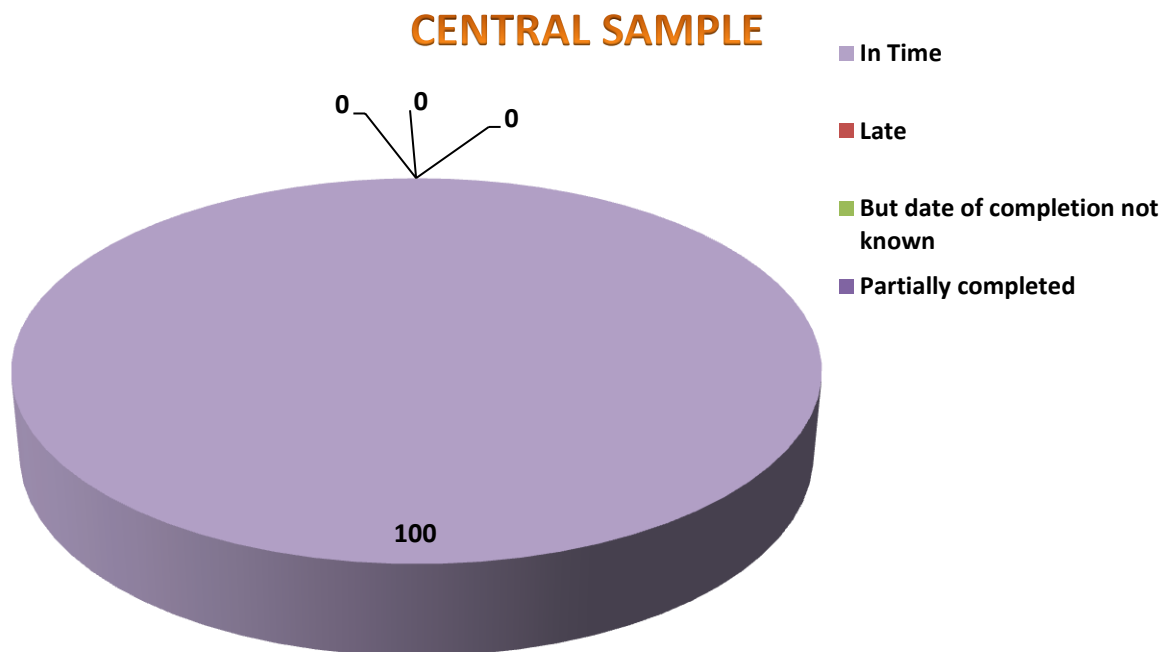
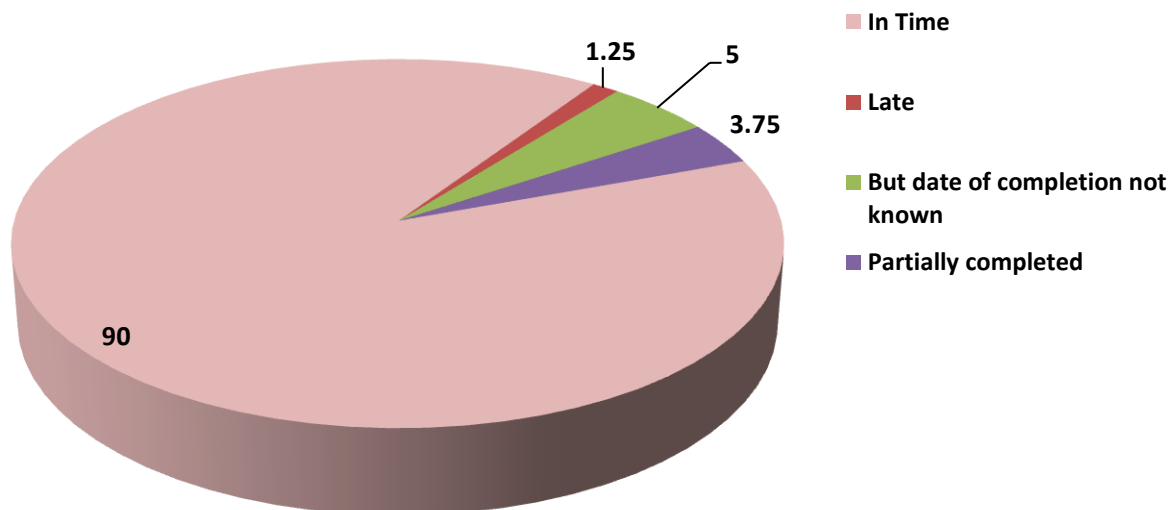


CHART-4
COMPLETION OF GIRDAWARI 2024-25 SUMMER DRY

CENTRAL SAMPLE



STATE SAMPLE

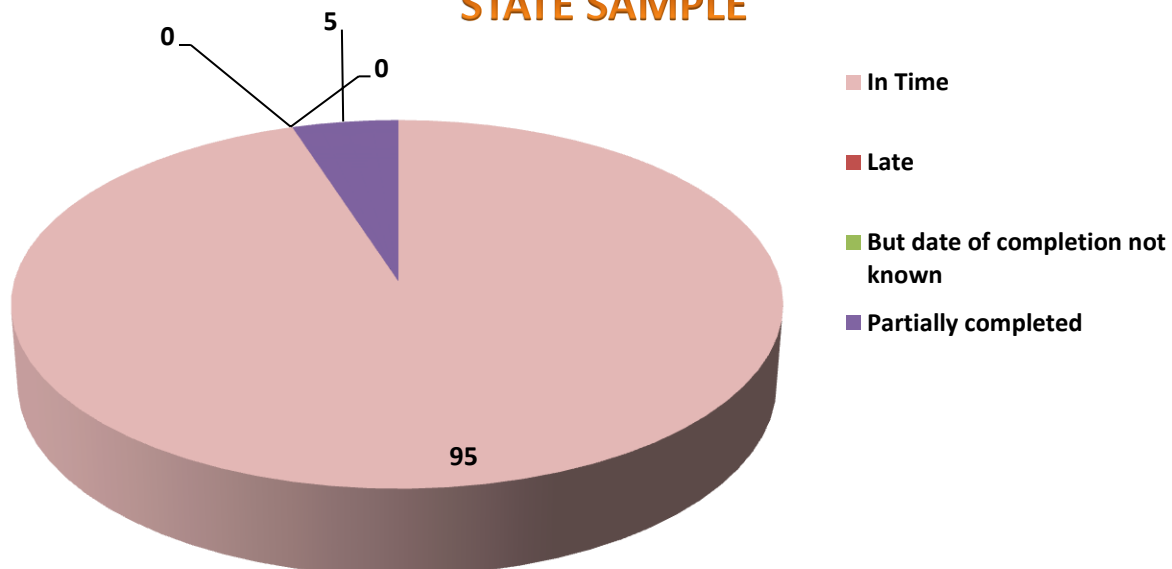


Table-2
TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2024-25

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	Partially completed	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	Thiruvanantha-puram	C	100.00				100.00					100.00			
		S	100.00					100.00					100.00		
2	Kollam	C	100.00				75.00	25.00				100.00			
		S	100.00					100.00					100.00		
3	Pathanamthitta	C	100.00				100.00					100.00			
		S	100.00					100.00					100.00		
4	Alappuzha	C	66.67	33.33			100.00					100.00			
		S	100.00					100.00					100.00		
5	Kottayam	C	100.00				100.00					100.00			
		S	100.00					100.00					100.00		
6	Idukki	C	100.00				87.50		12.50			100.00			
		S	100.00					100.00					100.00		
7	Ernakulam	C	100.00				100.00					100.00			
		S	100.00					100.00					100.00		
8	Thrissur	C	100.00				100.00					100.00			
		S	100.00					100.00					100.00		
9	Palakkad	C	100.00				100.00					100.00			
		S	100.00					100.00					100.00		
10	Malappuram	C	85.71	14.29			85.71	14.29				100.00			
		S	100.00					100.00					100.00		
11	Kozhikode	C	100.00				100.00					100.00			
		S	100.00					100.00					100.00		
12	Wayanad	C	100.00				100.00					100.00			
		S	100.00					100.00					100.00		
13	Kannur	C	100.00				100.00					100.00			
		S	100.00					100.00					100.00		
14	Kasaragod	C	100.00				100.00					100.00			
		S	100.00					100.00					100.00		
For District covered		C	97.50	2.50			96.25	2.50	1.25			100.00			
		S	100.00					100.00					100.00		

Table-2 (a)

TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2024-25

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	100.00			
		S	100.00			
2	Kollam	C	75.00	25.00		
		S	100.00			
3	Pathanamthitta	C	75.00			25.00
		S	100.00			
4	Alappuzha	C	33.33		66.67	
		S	100.00			
5	Kottayam	C	100.00			
		S	100.00			
6	Idukki	C	87.50		12.50	
		S	100.00			
7	Ernakulam	C	80.00		20.00	
		S	100.00			
8	Thrissur	C	100.00			
		S	100.00			
9	Palakkad	C	100.00			
		S	100.00			
10	Malappuram	C	100.00			
		S	100.00			
11	Kozhikode	C	66.67			33.33
		S	100.00			
12	Wayanad	C	100.00			
		S	100.00			
13	Kannur	C	100.00			
		S	42.86			57.14
14	Kasaragod	C	100.00			
		S	100.00			
For District covered		C	90.00	1.25	5.00	3.75
		S	95.00			5.00

3) Submission of EARAS Statement

The details of season wise submission of EARAS statement during 2024-25 are indicated in Tables-3&3(a). Timely submission of EARAS statements still needs considerable improvement in almost all districts. Kozhikkode and Wayanad districts submitted timely in all the three seasons. The EARAS statements were submitted on time after the completion of Girdawari in 85% of cases during the Autumn season, 87.5% during the Winter season, 80% during the Summer season and 53.75% during the Summer dry season for the Central Samples. The corresponding figures for the State Samples are 100%, 100%, 100% and 86.25% respectively.

The EARAS statements of 14.29% samples of Malappuram during Autumn, 11.11% samples of Palakkad during winter and 28.57% samples of Kottayam during Summer seasons for Central samples were submitted on due date without completion of Girdawari. For Summer Dry, 20% of Central samples of Trivandrum and 33.33% of State Samples of Palakkad were submitted on due date without completion of Girdawari.

3a) Percentage of samples from districts which submitted the EARAS statements after due date without completing Girdawari

33.33% of the Central Samples in Alappuzha district were submitted EARAS statements after the due date without completing Girdawari.

3b) Details of EARAS statements submitted after due dates after completing Girdawari

SEASONS	CENTRAL
Autumn	Thiruvananthapuram 40% Pathanamthitta 25% Thrissur 20% Palakkad 55.56%
Winter	Pathanamthitta 25% Kottayam 42.86% Thrissur 40%
Summer	Thiruvananthapuram 20% Ernakulam 40% Thrissur 20%

	Palakkad 55.56% Kannur 28.57% Kasargod 60%
Summer Dry	Pathanamthitta 25% Kasargod 20%

No State samples are there in which EARAS statements submitted after due date without completing Girdawari.

3c) Details regarding EARAS statements submitted but information about date of submission not recorded

SEASONS	CENTRAL
Autumn	Kollam-25%
Winter	Kottayam-14.29% Idukki - 12.5%

No Central or State samples for Summer & Summer Dry are there in which EARAS statement submitted and information about date of submission not recorded.

Table-3
TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2024-25

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			60.00	40.00				
			S			100.00					
		Winter	C			100.00					
			S			100.00					
		Summer	C			80.00	20.00				
			S			100.00					
2	Kollam	Autumn	C			75.00		25.00			
			S			100.00					
		Winter	C			100.00					
			S			100.00					
		Summer	C			100.00					
			S			100.00					
3	Pathanamthitta	Autumn	C			75.00	25.00				
			S			100.00					
		Winter	C			75.00	25.00				
			S			100.00					
		Summer	C			100.00					
			S			100.00					
4	Alappuzha	Autumn	C		33.33	66.67					
			S			100.00					
		Winter	C			100.00					
			S			100.00					
		Summer	C			100.00					
			S			100.00					
5	Kottayam	Autumn	C			100.00					
			S			100.00					
		Winter	C			42.86	42.86	14.29			
			S			100.00					
		Summer	C	28.57		71.43					
			S			100.00					

Table 3 contd...

Table-3
TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2024-25

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			100.00					
			S			100.00					
		Winter	C			87.50		12.50			
			S			100.00					
		Summer	C			100.00					
			S			100.00					
7	Ernakulam	Autumn	C			100.00					
			S			100.00					
		Winter	C			100.00					
			S			100.00					
		Summer	C			60.00	40.00				
			S			100.00					
8	Thrissur	Autumn	C			80.00	20.00				
			S			100.00					
		Winter	C			60.00	40.00				
			S			100.00					
		Summer	C			80.00	20.00				
			S			100.00					
9	Palakkad	Autumn	C			44.44	55.56				
			S			100.00					
		Winter	C	11.11		88.89					
			S			100.00					
		Summer	C			44.44	55.56				
			S			100.00					
10	Malappuram	Autumn	C	14.29		85.71					
			S			100.00					
		Winter	C			85.71			14.29		
			S			100.00					
		Summer	C			100.00					
			S			100.00					

Table 3 contd...

Table-3
TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2024-25

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	Kozhikkode	Autumn	C			100.00					
			S			100.00					
		Winter	C			100.00					
			S			100.00					
		Summer	C			100.00					
			S			100.00					
12	Wayanad	Autumn	C			100.00					
			S			100.00					
		Winter	C			100.00					
			S			100.00					
		Summer	C			100.00					
			S			100.00					
13	Kannur	Autumn	C			100.00					
			S			100.00					
		Winter	C			100.00					
			S			100.00					
		Summer	C			71.43	28.57				
			S			100.00					
14	Kasaragod	Autumn	C			100.00					
			S			100.00					
		Winter	C			100.00					
			S			100.00					
		Summer	C			40.00	60.00				
			S			100.00					
For District covered		Autumn	C	1.25	1.25	85.00	11.25	1.25			
			S			100.00					
		Winter	C	1.25		87.50	7.50	2.50	1.25		
			S			100.00					
		Summer	C	2.50		80.00	17.50				
			S			100.00					

Table-3 (a)										
TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2024-25- 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	Thiruvanantha-puram	C	20.00		80.00					
		S			100.00					
2	Kollam	C			50.00			50.00		
		S			100.00					
3	Pathanamthitta	C				25.00		50.00	25.00	
		S						100.00		
4	Alappuzha	C						100.00		
		S			100.00					
5	Kottayam	C			85.71			14.29		
		S			100.00					
6	Idukki	C			100.00					
		S			100.00					
7	Ernakulam	C			100.00					
		S			100.00					
8	Thrissur	C			100.00					
		S						100.00		
9	Palakkad	C			77.78			22.22		
		S	33.33		66.67					
10	Malappuram	C			28.57			71.43		
		S			100.00					
11	Kozhikode	C						66.67	33.33	
		S						66.67	33.33	
12	Wayanad	C			100.00					
		S			40.00			60.00		
13	Kannur	C			71.43			28.57		
		S			42.86				57.14	
14	Kasaragod	C			40.00	20.00		40.00		
		S			100.00					
For District covered		C	1.25		53.75	2.50		38.75	3.75	
		S	3.75		86.25			5.00	5.00	
C-Central Sample								S-State Sample		

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.

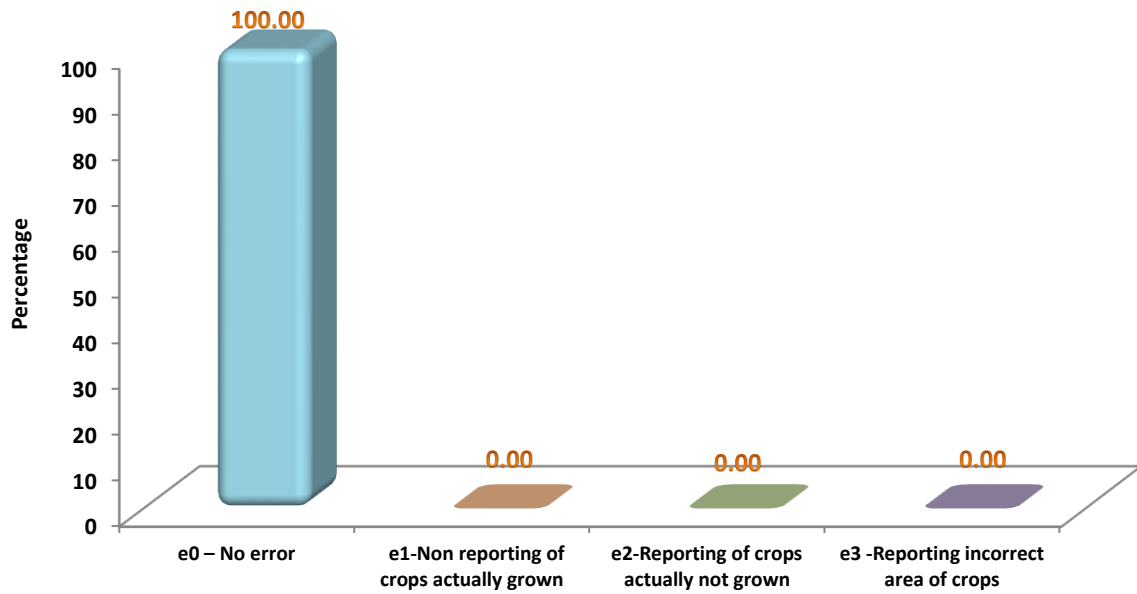
- 1) Non-reporting of crops actually grown (E1)
- 2) Reporting of crops actually not grown (E2)
- 3) Reporting of incorrect area of crops (E3)

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 2024-25 are given in Table-4. The error, which non-reporting of the actual grown area of the crop (E1) is 3.18% (Kottayam -33.33%, Wayanad-4.55%) in Winter for Central Sample. Reporting of crops actually not grown (E2) is 12.5% (Palakkad-39.47%) in Summer for Central Sample. Reporting of incorrect area crops (E3) was not reported in Kerala during 2024-25.

CHART-5

ERRORS IN RECORDING CROP AND CROP AREAS 2024-25 AUTUMN

CENTRAL SAMPLE



STATE SAMPLE

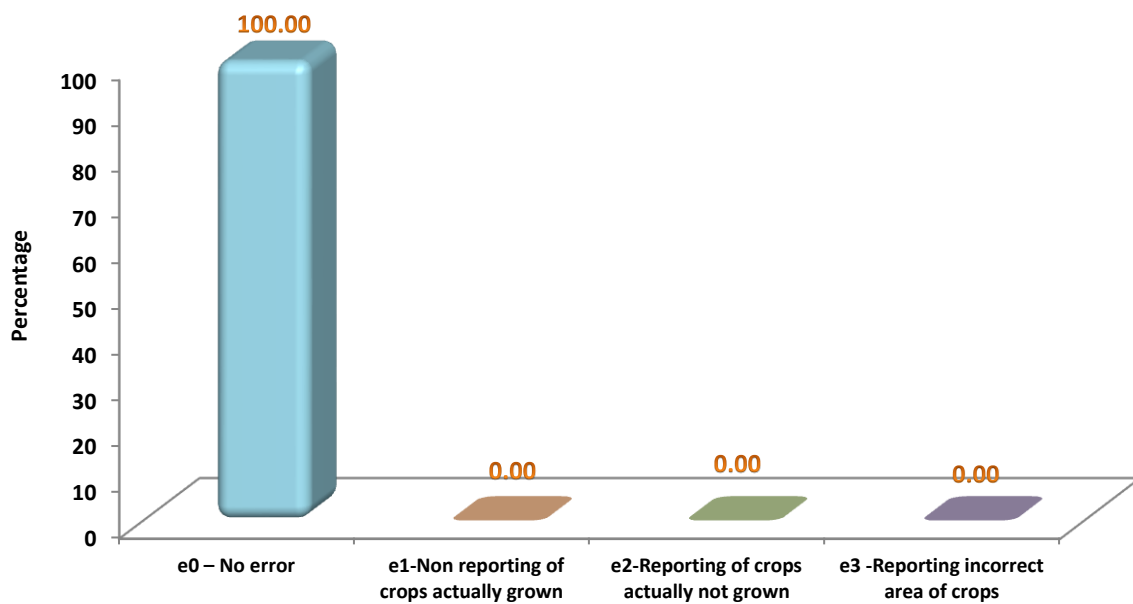


CHART-6
ERRORS IN RECORDING CROPS AND CROP AREAS 2024-25 WINTER

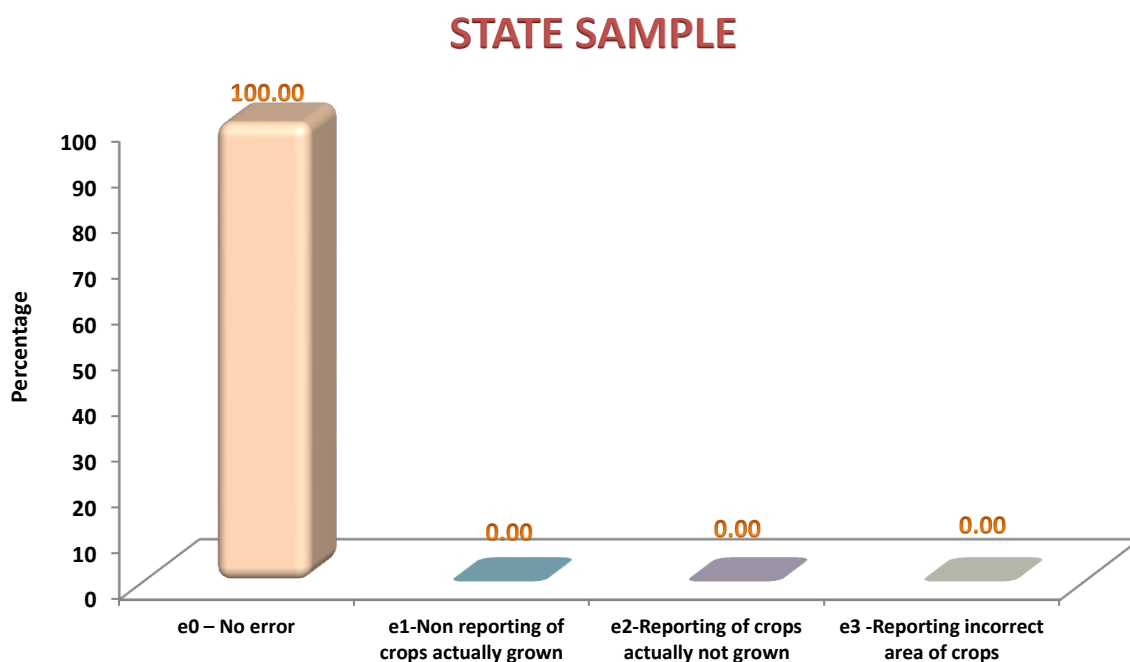
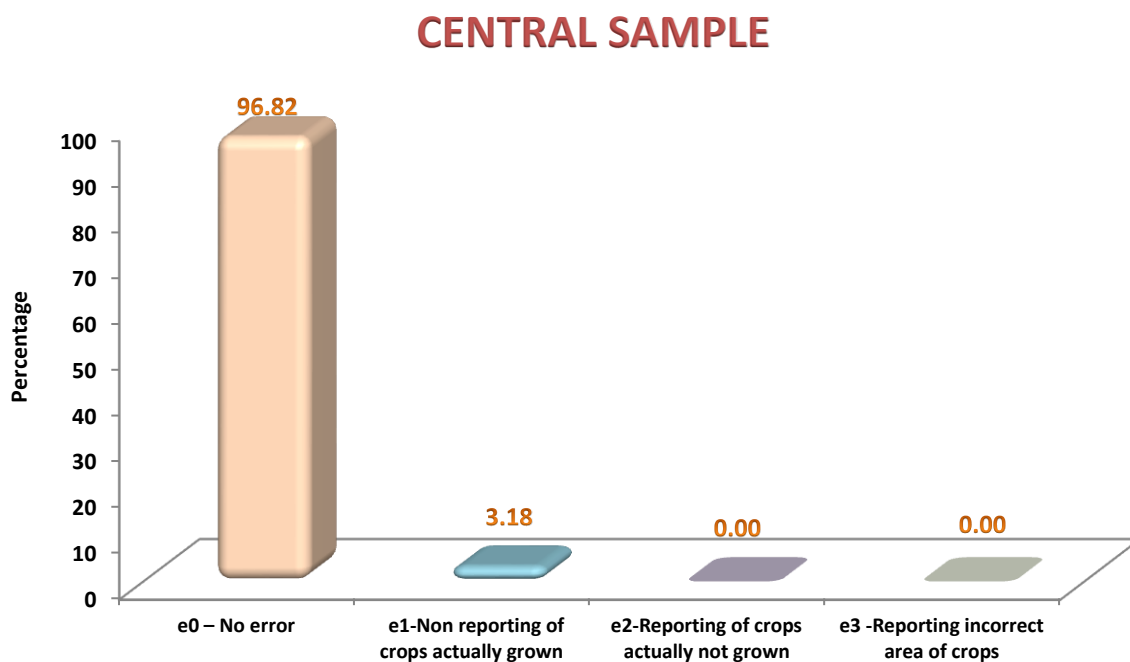
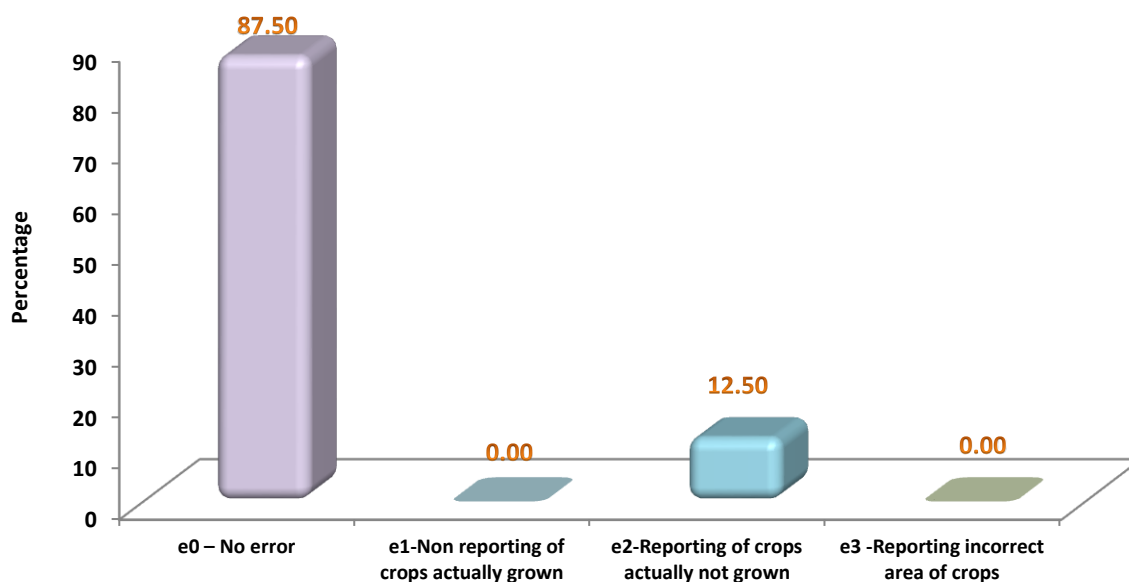


CHART-7

ERRORS IN RECORDING CROPS AND CROP AREAS 2024-25 SUMMER

CENTRAL SAMPLE



STATE SAMPLE

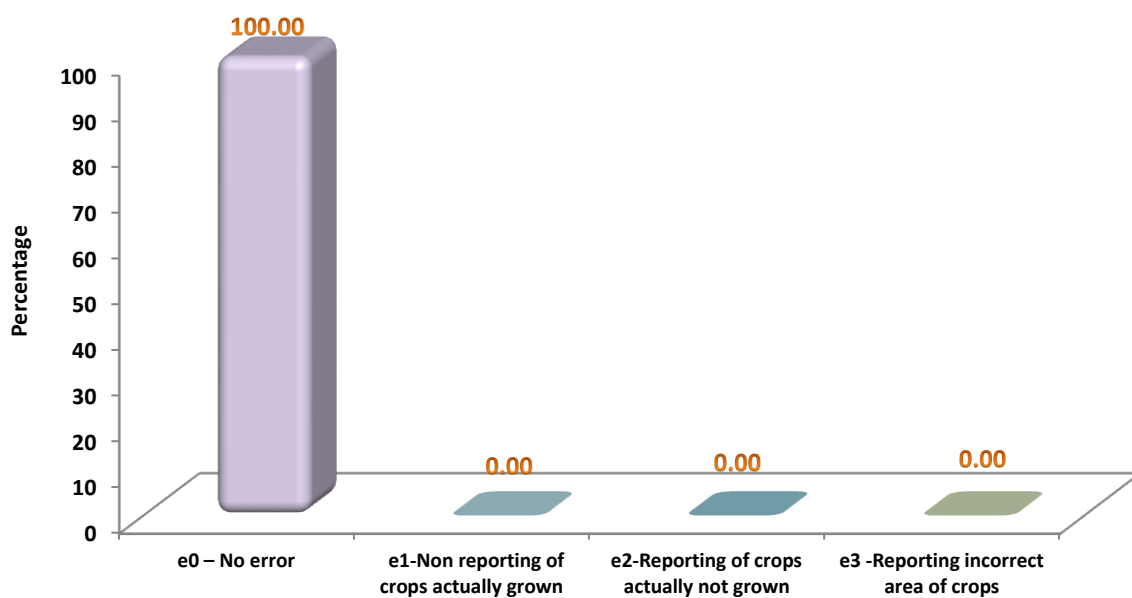


Table-4
PERCENTAGE OF SURVEY NUMBERS IN WHICH ERRORS IN RECORDING CROP AREAS WERE OBSERVED: 2024-25

Sl. No.	District	Agency	Percentage of survey numbers with different types of errors in enumeration of area during											
			AUTUMN				WINTER				SUMMER			
			e0	e1	e2	e3	e0	e1	e2	e3	e0	e1	e2	e3
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvanantha- puram	C	100.00				100.00							
		S												
2	Kollam	C					100.00				100.00			
		S					100.00							
3	Pathanamthitta	C					100.00							
		S					100.00				100.00			
4	Alappuzha	C					100.00				100.00			
		S	100.00				100.00				100.00			
5	Kottayam	C					66.67	33.33			100.00			
		S	100.00				100.00				100.00			
6	Idukki	C	100.00				100.00				100.00			
		S	100.00				100.00							
7	Ernakulam	C	100.00				100.00				100.00			
		S	100.00				100.00				100.00			
8	Thrissur	C	100.00				100.00				100.00			
		S	100.00				100.00				100.00			
9	Palakkad	C	100.00				100.00				60.53		39.47	
		S	100.00				100.00				100.00			
10	Malappuram	C					100.00				100.00			
		S					100.00				100.00			
11	Kozhikode	C					100.00				100.00			
		S					100.00				100.00			
12	Wayanad	C					95.45	4.55						
		S					100.00				100.00			
13	Kannur	C	100.00				100.00							
		S	100.00				100.00							
14	Kasaragod	C	100.00				100.00							
		S	100.00				100.00							
For District covered		C	100.00				96.82	3.18			87.50		12.50	
		S	100.00				100.00				100.00			
C-Central Sample S-State Sample														
e0 _ No error e1-Non reporting of crops actually grown e2-Reporting of crops actually not grown														
e3 -Reporting incorrect area of crops														

Table-4 (a)

PERCENTAGE OF SURVEY NUMBERS IN WHICH ERRORS IN RECORDING CROP AREAS WERE OBSERVED: 2024-25

Sl. No.	District	Agency	Percentage of survey numbers with different types of errors in enumeration of area during			
			SUMMER DRY			
			e0	e1	e2	e3
1	2	3	4	5	6	7
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				
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				
C-Central Sample S-State Sample						
e0 _ No error e1-Non reporting of crops actually grown e2-Reporting of crops actually not grown						
e3 -Reporting incorrect area of crops						

5) Discrepancies in recording Irrigation particulars of Paddy

Information on distribution of survey numbers as per the Irrigation particulars for paddy during Autumn, Winter and Summer, Summer Dry is given in Table 5(a), 5(b) and 5 (c) and 5 (d) respectively. No discrepancy is recorded

in Central or State samples in recording variety of paddy by Patwari and Supervisor, except for Central sample in Winter and Summer season & the discrepancies are 3.18% and 12.50% respectively.

Table-5(a)

**DISCREPANCIES IN RECORDING IRRIGATION PARTICULARS OF PADDY
DURING 2024-25 - AUTUMN**

Sl. No	District	Agency	Percentage of survey numbers in which particulars											
			Tallied				Not Tallied							
							Supervisor				Patwari			
I & UI	I	UI	Total	I	UI	NR	Total	I	UI	NR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvanantha- puram	C		100.00		100.00								
		S												
2	Kollam	C												
		S												
3	Pathanamthitta	C												
		S												
4	Alappuzha	C												
		S		90.00	10.00	100.00								
5	Kottayam	C												
		S		100.00		100.00								
6	Idukki	C			100.00	100.00								
		S		100.00		100.00								
7	Ernakulam	C			100.00	100.00								
		S		16.67	83.33	100.00								
8	Thrissur	C			100.00	100.00								
		S			100.00	100.00								
9	Palakkad	C		29.17	70.83	100.00								
		S		18.89	81.11	100.00								
10	Malappuram	C												
		S												
11	Kozhikode	C												
		S												
12	Wayanad	C												
		S												
13	Kannur	C		14.29	85.71	100.00								
		S			100.00	100.00								
14	Kasaragod	C			100.00	100.00								
		S			100.00	100.00								
For District covered		C		27.91	72.09	100.00								
		S		21.43	78.57	100.00								
C-Central Sample S-State Sample														
I-Irrigated UI- Un Irrigated NR-Non reporting														

Table-5(b)

**DISCREPANCIES IN RECORDING IRRIGATION PARTICULARS OF PADDY DURING
2024-25 - WINTER**

Sl. No	District	Agency	Percentage of survey numbers in which particulars											
			Tallied				Not Tallied							
							Supervisor				Patwari			
			I & UI	I	UI	Total	I	UI	NR	Total	I	UI	NR	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	C		100.00		100.00								
		S												
2	Kollam	C		84.62	15.38	100.00								
		S		100.00		100.00								
3	Pathanamthitta	C		100.00		100.00								
		S		100.00		100.00								
4	Alappuzha	C		100.00		100.00								
		S		100.00		100.00								
5	Kottayam	C		66.67		66.67	33.33			33.33			33.33	33.33
		S		100.00		100.00								
6	Idukki	C		100.00		100.00								
		S		100.00		100.00								
7	Ernakulam	C		100.00		100.00								
		S		100.00		100.00								
8	Thrissur	C		100.00		100.00								
		S		100.00		100.00								
9	Palakkad	C		82.14	17.86	100.00								
		S		100.00		100.00								
10	Malappuram	C		97.06	2.94	100.00								
		S		76.92	23.08	100.00								
11	Kozhikode	C			100.00	100.00								
		S		54.55	45.45	100.00								
12	Wayanad	C		95.45		95.45	4.55			4.55			4.55	4.55
		S		100.00		100.00								
13	Kannur	C		100.00		100.00								
		S		100.00		100.00								
14	Kasaragod	C		100.00		100.00								
		S		100.00		100.00								
For District covered		C		87.73	9.09	96.82	3.18			3.18			3.18	3.18
		S		96.11	3.89	100.00								
C-Central Sample												S-State Sample		
I-Irrigated				UI- Un Irrigated		NR-Non reporting								

Table-5(c)

**DISCREPANCIES IN RECORDING IRRIGATION PARTICULARS OF PADDY DURING
2024-25 - SUMMER**

Sl. No	District	Agency	Percentage of survey numbers in which particulars											
			Tallied				Not Tallied							
							Supervisor				Patwari			
			I & UI	I	UI	Total	I	UI	NR	Total	I	UI	NR	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvananthapuram	C												
		S												
2	Kollam	C		100.00		100.00								
		S												
3	Pathanamthitta	C												
		S		100.00		100.00								
4	Alappuzha	C		100.00		100.00								
		S		100.00		100.00								
5	Kottayam	C		100.00		100.00								
		S		100.00		100.00								
6	Idukki	C		100.00		100.00								
		S												
7	Ernakulam	C		100.00		100.00								
		S		100.00		100.00								
8	Thrissur	C		100.00		100.00								
		S		100.00		100.00								
9	Palakkad	C		60.53		60.53			39.47	39.47	39.47			39.47
		S		100.00		100.00								
10	Malappuram	C		100.00		100.00								
		S		91.30	8.70	100.00								
11	Kozhikode	C		100.00		100.00								
		S		100.00		100.00								
12	Wayanad	C												
		S		100.00		100.00								
13	Kannur	C												
		S												
14	Kasaragod	C												
		S												
For District covered		C		87.50		87.50			12.50	12.50	12.50			12.50
		S		98.88	1.12	100.00								
C-Central Sample S-State Sample														
I-Irrigated UI- Un Irrigated NR-Non reporting														

Table-5(d)

**DISCREPANCIES IN RECORDING IRRIGATION PARTICULARS OF PADDY
DURING 2024-25 - SUMMER DRY**

Sl. No	District	Agency	Percentage of survey numbers in which particulars											
			Tallied				Not Tallied							
							Supervisor				Patwari			
			I & UI	I	UI	Total	I	UI	NR	Total	I	UI	NR	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvanantha- puram	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												
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												
C-Central Sample												S-State Sample		
I-Irrigated				UI- Un Irrigated		NR-Non reporting								

6) 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 6(a), 6(b) and 6 (c) and 6(d) respectively. No discrepancy is recorded in Central or State samples in recording variety of paddy by Patwari and Supervisor, except for the Winter and Summer season & the discrepancies are 3.18% and 12.50% respectively for Central Sample.

Table-6(a)
DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY
DURING 2024-25 - AUTUMN

Sl. No	District	Agency	Percentage of survey numbers in which particulars											
			Tallied				Not Tallied							
							Supervisor				Patwari			
Hy &L	Hy	L	Total	Hy	L	NR	Total	Hy	L	NR	Total			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Thiruvanantha- puram	C		87.50	12.50	100.00								
		S												
2	Kollam	C												
		S												
3	Pathanamthitta	C												
		S												
4	Alappuzha	C												
		S		100.00		100.00								
5	Kottayam	C												
		S		100.00		100.00								
6	Idukki	C		100.00		100.00								
		S		100.00		100.00								
7	Ernakulam	C		100.00		100.00								
		S		100.00		100.00								
8	Thrissur	C		100.00		100.00								
		S		100.00		100.00								
9	Palakkad	C		100.00		100.00								
		S		100.00		100.00								
10	Malappuram	C												
		S												
11	Kozhikode	C												
		S												
12	Wayanad	C												
		S												
13	Kannur	C		92.86	7.14	100.00								
		S		96.67	3.33	100.00								
14	Kasaragod	C		100.00		100.00								
		S		100.00		100.00								
For District covered		C		97.67	2.33	100.00								
		S		99.35	0.65	100.00								
C-Central Sample S-State Sample														
HY-High Yielding Seed L-Local variety seed NR-Non reporting														

Table-6(b)

**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY
DURING 2024-25 – 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	Thiruvanantha- puram	C		77.78	22.22	100.00								
		S												
2	Kollam	C		100.00		100.00								
		S			100.00	100.00								
3	Pathanamthitta	C		100.00		100.00								
		S		100.00		100.00								
4	Alappuzha	C		100.00		100.00								
		S		100.00		100.00								
5	Kottayam	C		66.67		66.67	33.33			33.33			33.33	33.33
		S		100.00		100.00								
6	Idukki	C		100.00		100.00								
		S		93.75	6.25	100.00								
7	Ernakulam	C		100.00		100.00								
		S		100.00		100.00								
8	Thrissur	C		100.00		100.00								
		S		100.00		100.00								
9	Palakkad	C		98.21	1.79	100.00								
		S		97.14	2.86	100.00								
10	Malappuram	C		73.53	26.47	100.00								
		S		73.08	26.92	100.00								
11	Kozhikode	C		28.57	71.43	100.00								
		S		54.55	45.45	100.00								
12	Wayanad	C		90.91	4.55	95.45	4.55			4.55			4.55	4.55
		S		94.29	5.71	100.00								
13	Kannur	C		68.75	31.25	100.00								
		S		71.43	28.57	100.00								
14	Kasaragod	C		100.00		100.00								
		S		47.06	52.94	100.00								
For District covered		C		84.09	12.73	96.82	3.18			3.18			3.18	3.18
		S		86.22	13.78	100.00								
C-Central Sample S-State Sample														
HY-High Yielding Seed L-Local variety seed NR-Non reporting														

Table-6 (c)
DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY
DURING 2024-25 - 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	Thiruvanantha- puram	C												
		S												
2	Kollam	C		100.00		100.00								
		S												
3	Pathanamthitta	C												
		S		100.00		100.00								
4	Alappuzha	C		100.00		100.00								
		S		100.00		100.00								
5	Kottayam	C		100.00		100.00								
		S		100.00		100.00								
6	Idukki	C		100.00		100.00								
		S												
7	Ernakulam	C		100.00		100.00								
		S		100.00		100.00								
8	Thrissur	C		100.00		100.00								
		S		100.00		100.00								
9	Palakkad	C		60.53		60.53			39.47	39.47	39.47			39.47
		S		100.00		100.00								
10	Malappuram	C		100.00		100.00								
		S		100.00		100.00								
11	Kozhikode	C		100.00		100.00								
		S		100.00		100.00								
12	Wayanad	C												
		S		100.00		100.00								
13	Kannur	C												
		S												
14	Kasaragod	C												
		S												
For District covered		C		87.50		87.50			12.50	12.50	12.50			12.50
		S		100.00		100.00								
C-Central Sample												S-State Sample		
HY-High Yielding Seed					L-Local variety seed			NR-Non reporting						

Table-6(d)
DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY
DURING 2024-25 - 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	Thiruvanantha- puram	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												
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												
C-Central Sample												S-State Sample		
HY-High Yielding Seed				L-Local variety seed			NR-Non reporting							

2.2 CHECK ON CROP CUTTING EXPERIMENTS

1. Response in Sample check on Crop Cutting Experiments

Table 7 reflects the percentage of crop cutting experiments during each season for each district for the year 2024-25. For State Samples, the coverage was 99% during Autumn, 100% during Winter, and 100% during Summer. For Central Samples, it was 100%, 98%, and 100% respectively. Annual completion rate was 99.33% for central samples & 99.67% for State samples.

Table-7
RESPONSE IN SAMPLE CHECK ON CROP CUTTING EXPERIMENTS FOR PADDY
DURING 2024-25

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	100.00	8	100.00	8	100.00	24	100.00
		S	8	100.00	8	100.00	8	100.00	24	100.00
2	Kollam	C	6	100.00	6	100.00	6	100.00	18	100.00
		S	6	100.00	6	100.00	6	100.00	18	100.00
3	Pathanamthitta	C	6	100.00	6	100.00	6	100.00	18	100.00
		S	6	100.00	6	100.00	6	100.00	18	100.00
4	Alappuzha	C	8	100.00	8	100.00	8	100.00	24	100.00
		S	8	100.00	8	100.00	8	100.00	24	100.00
5	Kottayam	C	8	100.00	8	100.00	12	100.00	28	100.00
		S	8	100.00	8	100.00	12	100.00	28	100.00
6	Idukki	C	4	100.00	4	100.00			8	100.00
		S	4	100.00	4	100.00			8	100.00
7	Ernakulam	C	10	100.00	10	100.00	10	100.00	30	100.00
		S	10	90.00	10	100.00	10	100.00	30	96.67
8	Thrissur	C	8	100.00	8	75.00	8	100.00	24	91.67
		S	8	100.00	8	100.00	8	100.00	24	100.00
9	Palakkad	C	10	100.00	10	100.00	10	100.00	30	100.00
		S	10	100.00	10	100.00	10	100.00	30	100.00
10	Malappuram	C	10	100.00	10	100.00	10	100.00	30	100.00
		S	10	100.00	10	100.00	10	100.00	30	100.00
11	Kozhikode	C	8	100.00	8	100.00	10	100.00	26	100.00
		S	8	100.00	8	100.00	10	100.00	26	100.00
12	Wayanad	C								
		S								
13	Kannur	C	8	100.00	8	100.00			16	100.00
		S	8	100.00	8	100.00			16	100.00
14	Kasaragod	C	6	100.00	6	100.00	12	100.00	24	100.00
		S	6	100.00	6	100.00	12	100.00	24	100.00
For District covered		C	100	100.00	100	98.00	100	100.00	300	99.33
		S	100	99.00	100	100.00	100	100.00	300	99.67

Distribution of number of experiments

2.1 Distribution of number of experiments conducted according to important inputs

Table 8(i), 8(ii) and 8(iii) shows the details of paddy crop cutting experiments and Table 8(iv), 8(v), 8(vi), 8(vii), and 8(viii) shows the details of other crop cutting experiments, conducted according to the percentage of experiments, irrigated, sown with high yielding varieties of seeds and applied with fertilizer.

1) Paddy Crop Cutting Experiments

Table-8(i)

DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2024-25

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	100.00	100.00	100.00
		S		8	100.00	100.00	100.00
		C	T	8	100.00	100.00	100.00
		S		8	100.00	100.00	100.00
2	Kollam	C	H	6	33.33	100.00	100.00
		S		6	33.33	100.00	100.00
		C	T	6	33.33	100.00	100.00
		S		6	33.33	100.00	100.00
3	Pathanamthitta	C	H	6		100.00	100.00
		S		6	33.33	100.00	100.00
		C	T	6		100.00	100.00
		S		6	33.33	100.00	100.00
4	Alappuzha	C	H	8	50.00	87.50	50.00
		S		8	50.00	75.00	62.50
		C	T	8	50.00	87.50	50.00
		S		8	50.00	75.00	62.50
5	Kottayam	C	H	8	100.00	87.50	75.00
		S		8	100.00	100.00	100.00
		C	T	8	100.00	87.50	75.00
		S		8	100.00	100.00	100.00

Table-8(i) contd.....

Table-8(i)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2024-25**

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
6	Idukki	C	H	4	100.00	100.00	100.00
		S		4	100.00	100.00	100.00
		C	T	4	100.00	100.00	100.00
		S		4	100.00	100.00	100.00
7	Ernakulam	C	H	10	60.00	100.00	80.00
		S		9	66.67	111.11	88.89
		C	T	10	60.00	100.00	80.00
		S		10	60.00	100.00	80.00
8	Thrissur	C	H	8		100.00	62.50
		S		8		100.00	87.50
		C	T	8		100.00	62.50
		S		8		100.00	87.50
9	Palakkad	C	H	10		100.00	100.00
		S		10	40.00	100.00	100.00
		C	T	10		100.00	100.00
		S		10	40.00	100.00	100.00
10	Malappuram	C	H	10	20.00	100.00	60.00
		S		10		100.00	90.00
		C	T	10	20.00	100.00	60.00
		S		10		100.00	90.00
11	Kozhikkode	C	H	8	12.50	75.00	50.00
		S		8		87.50	75.00
		C	T	8	12.50	75.00	50.00
		S		8		87.50	75.00
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	8		75.00	50.00
		S		8		75.00	62.50
		C	T	8		75.00	50.00
		S		8		75.00	62.50
14	Kasaragod	C	H	6		100.00	100.00
		S		6		100.00	66.67
		C	T	6		100.00	100.00
		S		6		100.00	66.67
For District covered		C	H	100	35.00	94.00	77.00
		S		99	38.38	95.96	86.87
		C	T	100	35.00	94.00	77.00
		S		100	38.00	95.00	86.00

*No Paddy in Wayanad district.

Table-8(ii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2024-25

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	100.00	87.50	87.50
		S		8	87.50	75.00	87.50
		C	T	8	100.00	87.50	87.50
		S		8	87.50	75.00	87.50
2	Kollam	C	H	6	50.00	100.00	83.33
		S		6	100.00	66.67	100.00
		C	T	6	50.00	100.00	83.33
		S		6	100.00	66.67	100.00
3	Pathanamthitta	C	H	6	100.00	100.00	100.00
		S		6	100.00	100.00	100.00
		C	T	6	100.00	100.00	100.00
		S		6	100.00	100.00	100.00
4	Alappuzha	C	H	8	62.50	75.00	100.00
		S		8	50.00	87.50	75.00
		C	T	8	62.50	75.00	100.00
		S		8	50.00	87.50	75.00
5	Kottayam	C	H	8	100.00	100.00	100.00
		S		8	100.00	100.00	100.00
		C	T	8	100.00	100.00	100.00
		S		8	100.00	100.00	100.00
6	Idukki	C	H	4	100.00	100.00	100.00
		S		4	100.00	100.00	100.00
		C	T	4	100.00	100.00	100.00
		S		4	100.00	100.00	100.00
7	Ernakulam	C	H	10	100.00	100.00	90.00
		S		10	100.00	90.00	100.00
		C	T	10	100.00	100.00	90.00
		S		10	100.00	90.00	100.00
8	Thrissur	C	H	6	100.00	100.00	100.00
		S		8	100.00	100.00	100.00
		C	T	8	75.00	75.00	75.00
		S		8	100.00	100.00	100.00
Table-8(ii) contd.....							

Table-8(ii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2024-25

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	100.00	100.00	100.00
		S		10	90.00	100.00	90.00
		C	T	10	100.00	100.00	100.00
		S		10	90.00	100.00	90.00
10	Malappuram	C	H	10	100.00	90.00	100.00
		S		10	40.00	60.00	60.00
		C	T	10	100.00	90.00	100.00
		S		10	40.00	60.00	60.00
11	Kozhikkode	C	H	8	37.50	25.00	50.00
		S		8	25.00	25.00	75.00
		C	T	8	37.50	25.00	50.00
		S		8	25.00	25.00	75.00
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	8	100.00	87.50	87.50
		S		8	100.00	75.00	87.50
		C	T	8	100.00	87.50	87.50
		S		8	100.00	75.00	87.50
14	Kasaragod	C	H	6	100.00	100.00	83.33
		S		6	100.00	83.33	100.00
		C	T	6	100.00	100.00	83.33
		S		6	100.00	83.33	100.00
For District covered		C	H	98	88.78	88.78	90.82
		S		100	82.00	81.00	89.00
		C	T	100	87.00	87.00	89.00
		S		100	82.00	81.00	89.00

- No paddy in Wayanad District

Table-8(iii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2024-25

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	100.00	100.00	100.00
		S		8	100.00	100.00	100.00
		C	T	8	100.00	100.00	100.00
		S		8	100.00	100.00	100.00
2	Kollam	C	H	6	100.00	100.00	100.00
		S		6	100.00	100.00	100.00
		C	T	6	100.00	100.00	100.00
		S		6	100.00	100.00	100.00
3	Pathanamthitta	C	H	6	100.00	100.00	100.00
		S		6	100.00	100.00	100.00
		C	T	6	100.00	100.00	100.00
		S		6	100.00	100.00	100.00
4	Alappuzha	C	H	8	100.00	100.00	100.00
		S		8	100.00	100.00	100.00
		C	T	8	100.00	100.00	100.00
		S		8	100.00	100.00	100.00
5	Kottayam	C	H	12	100.00	100.00	91.67
		S		12	100.00	100.00	100.00
		C	T	12	100.00	100.00	91.67
		S		12	100.00	100.00	100.00
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Ernakulam	C	H	10	100.00	100.00	80.00
		S		10	100.00	100.00	100.00
		C	T	10	100.00	100.00	80.00
		S		10	100.00	100.00	100.00
8	Thrissur	C	H	8	100.00	100.00	62.50
		S		8	100.00	100.00	100.00
		C	T	8	100.00	100.00	62.50
		S		8	100.00	100.00	100.00
Table 8(iii) contd....							

Table-8(iii)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2024-25**

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	100.00	100.00	100.00
		S		10	100.00	100.00	100.00
		C	T	10	100.00	100.00	100.00
		S		10	100.00	100.00	100.00
10	Malappuram	C	H	10	100.00	100.00	100.00
		S		10	100.00	90.00	70.00
		C	T	10	100.00	100.00	100.00
		S		10	100.00	90.00	70.00
11	Kozhikode	C	H	10	70.00	100.00	70.00
		S		10	100.00	70.00	80.00
		C	T	10	70.00	100.00	70.00
		S		10	100.00	70.00	80.00
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H				
		S					
		C	T				
		S					
14	Kasaragod	C	H	12	100.00	100.00	100.00
		S		12	100.00	100.00	100.00
		C	T	12	100.00	100.00	100.00
		S		12	100.00	100.00	100.00
For District covered		C	H	100	97.00	100.00	91.00
		S		100	100.00	96.00	95.00
		C	T	100	97.00	100.00	91.00
		S		100	100.00	96.00	95.00

2) Other Crop Cutting Experiments

Table-8(iv)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2024-25

Tapioca

Sl. No.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
					I	HYV	F
1	2	3	4	5	6	7	8
1	Thiruvananthapuram	C	H	4	50.00		
		S		4			
		C	T	4	50.00		
		S		4			
2	Kollam	C	H	4	50.00	50.00	50.00
		S		4	25.00	25.00	25.00
		C	T	4	50.00	50.00	50.00
		S		4	25.00	25.00	25.00
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alappuzha	C	H				
		S					
		C	T				
		S					
5	Kottayam	C	H	4	25.00	75.00	50.00
		S		4	25.00	75.00	50.00
		C	T	4	25.00	75.00	50.00
		S		4	25.00	75.00	50.00
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Ernakulam	C	H	4	100.00		100.00
		S		4	100.00		50.00
		C	T	4	100.00		100.00
		S		4	100.00		50.00
8	Thrissur	C	H	4	100.00		75.00
		S		4	50.00		25.00
		C	T	4	100.00		75.00
		S		4	50.00		25.00
To be contd...							

Table-8(iv)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2024-25**

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	75.00	75.00	50.00
		S		4	75.00	75.00	50.00
		C	T	4	75.00	75.00	50.00
		S		4	75.00	75.00	50.00
10	Malappuram	C	H	4	100.00		
		S		4	25.00		
		C	T	4	100.00		
		S		4	25.00		
11	Kozhikode	C	H	4	75.00		
		S		4	25.00		25.00
		C	T	4	75.00		
		S		4	25.00		25.00
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4			50.00
		S		4	25.00	50.00	50.00
		C	T	4			50.00
		S		4	25.00	50.00	50.00
14	Kasaragod	C	H	4			
		S		4			50.00
		C	T	4			
		S		4			50.00
For District covered		C	H	40	57.50	20.00	37.50
		S		40	35.00	22.50	32.50
		C	T	40	57.50	20.00	37.50
		S		40	35.00	22.50	32.50

Table-8(v)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2024-25

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	25.00		
		S		4			
		C	T	4	25.00		
		S		4			
2	Kollam	C	H	4	50.00		
		S		4			
		C	T	4	50.00		
		S		4			
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alappuzha	C	H				
		S					
		C	T				
		S					
5	Kottayam	C	H	4		25.00	
		S		4		50.00	
		C	T	4		25.00	
		S		4		50.00	
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Ernakulam	C	H	4	100.00		
		S		4			
		C	T	4	100.00		
		S		4			
8	Thrissur	C	H	4	75.00	25.00	
		S		4	100.00		
		C	T	4	75.00	25.00	
		S		4	100.00		
To be contd....							

Table-8(v)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2024-25**

Pepper

Sl.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
No.					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	75.00	25.00	25.00
		S		4	75.00	50.00	25.00
		C	T	4	75.00	25.00	25.00
		S		4	75.00	50.00	25.00
10	Malappuram	C	H	4	50.00	75.00	
		S		4	50.00	50.00	
		C	T	4	50.00	75.00	
		S		4	50.00	50.00	
11	Kozhikode	C	H	4	25.00	50.00	
		S		4			
		C	T	4	25.00	50.00	
		S		4			
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	75.00	75.00	
		S		4		75.00	
		C	T	4	75.00	75.00	
		S		4		75.00	
14	Kasaragod	C	H	4			
		S		4			
		C	T	4			
		S		4			
For District covered		C	H	40	47.50	27.50	2.50
		S		40	22.50	22.50	2.50
		C	T	40	47.50	27.50	2.50
		S		40	22.50	22.50	2.50

Table-8(vi)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2024-25

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	75.00		100.00
		S		4	100.00		100.00
		C	T	4	75.00		100.00
		S		4	100.00		100.00
2	Kollam	C	H	4	75.00		75.00
		S		4	100.00		75.00
		C	T	4	75.00		75.00
		S		4	100.00		75.00
3	Pathanamthitta	C	H				
		S					
		C	T				
		S					
4	Alappuzha	C	H	4	75.00		100.00
		S		4	100.00	25.00	50.00
		C	T	4	75.00		100.00
		S		4	100.00	25.00	50.00
5	Kottayam	C	H	4	50.00		50.00
		S		4	100.00	50.00	75.00
		C	T	4	50.00		50.00
		S		4	100.00	50.00	75.00
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Ernakulam	C	H	4	100.00	50.00	75.00
		S		4	100.00	25.00	100.00
		C	T	4	100.00	50.00	75.00
		S		4	100.00	25.00	100.00
8	Thrissur	C	H	6	100.00		33.33
		S		6	50.00		66.67
		C	T	6	100.00		33.33
		S		6	50.00		66.67

Table-8(vi) contd...

Table-8(vi)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2024-25**

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	100.00	33.33	100.00
		S		6	100.00	50.00	100.00
		C	T	6	100.00	33.33	100.00
		S		6	100.00	50.00	100.00
10	Malappuram	C	H	6	50.00	33.33	33.33
		S		6	100.00	16.67	66.67
		C	T	6	50.00	33.33	33.33
		S		6	100.00	16.67	66.67
11	Kozhikode	C	H	4	25.00	50.00	100.00
		S		4	75.00	50.00	50.00
		C	T	4	25.00	50.00	100.00
		S		4	75.00	50.00	50.00
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	100.00		75.00
		S		4	100.00	50.00	25.00
		C	T	4	100.00		75.00
		S		4	100.00	50.00	25.00
14	Kasaragod	C	H	4	100.00		100.00
		S		4	100.00		75.00
		C	T	4	100.00		100.00
		S		4	100.00		75.00
For District covered		C	H	50	78.00	16.00	74.00
		S		50	92.00	24.00	72.00
		C	T	50	78.00	16.00	74.00
		S		50	92.00	24.00	72.00

Table-8(vii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2024-25

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			
		S		4	25.00		
		C	T	4			
		S		4	25.00		
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			25.00
		S		4	50.00		
		C	T	4			25.00
		S		4	50.00		
5	Kottayam	C	H	4			
		S		4			
		C	T	4			
		S		4			
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Ernakulam	C	H	4			
		S		4			
		C	T	4			
		S		4			
8	Thrissur	C	H	6	100.00		
		S		6	83.33		
		C	T	6	100.00		
		S		6	83.33		
Table-8(vii) contd....							

Table-8(vii)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2024-25**

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	66.67		
		S		6	100.00		16.67
		C	T	6	66.67		
		S		6	100.00		16.67
10	Malappuram	C	H	6	33.33		
		S		6	33.33		33.33
		C	T	6	33.33		
		S		6	33.33		33.33
11	Kozhikode	C	H	4			
		S		4			50.00
		C	T	4			
		S		4			50.00
12	Wayanad	C	H				
		S					
		C	T				
		S					
13	Kannur	C	H	4	50.00		50.00
		S		4	50.00		
		C	T	4	50.00		50.00
		S		4	50.00		
14	Kasaragod	C	H	4	25.00		
		S		4	50.00		
		C	T	4	25.00		
		S		4	50.00		
For District covered		C	H	50	30.00		6.00
		S		50	40.00		10.00
		C	T	50	30.00		6.00
		S		50	40.00		10.00

Table-8(viii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2024-25

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		25.00	
		S		4		25.00	25.00
		C	T	4		25.00	
		S		4		25.00	25.00
6	Idukki	C	H				
		S					
		C	T				
		S					
7	Ernakulam	C	H	4	50.00		
		S		4			
		C	T	4	50.00		
		S		4			
8	Thrissur	C	H	4	75.00		
		S		4	75.00		
		C	T	4	75.00		
		S		4	75.00		
Table 8(viii) contd...							

Table-8(viii)

**DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2024-25**

Arecanut

Sl.	District	Agency	H/T		Percentage of Experiments under various inputs for crops		
No.					I	HYV	F
1	2	3	4	5	6	7	8
9	Palakkad	C	H	4	50.00	25.00	25.00
		S		4	100.00	75.00	100.00
		C	T	4	50.00	25.00	25.00
		S		4	100.00	75.00	100.00
10	Malappuram	C	H	4	100.00		
		S		4		25.00	25.00
		C	T	4	100.00		
		S		4		25.00	25.00
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	100.00		
		S		4	50.00	75.00	
		C	T	4	100.00		
		S		4	50.00	75.00	
14	Kasaragod	C	H	4	100.00		
		S		4	75.00		
		C	T	4	100.00		
		S		4	75.00		
For District covered		C	H	40	47.50	5.00	2.50
		S		40	30.00	20.00	15.00
		C	T	40	47.50	5.00	2.50
		S		40	30.00	20.00	15.00

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

The extent of participation at harvest stage is presented in the table 9(i), 9(ii), 9(iii) 9(iv), 9(v) and 9(vi) shows the details of paddy crop cutting experiments and Table 9(vii), 9(viii), 9(ix) 9(x), 9(xi), 9(xii), 9(xiii) 9(xiv), 9(xv), and 9(xvi) shows the details of other crop cutting experiments.

Table 9(i)
CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE: KERALA

YEAR: 2024-25

SEASON:AUTUMN

CROP:PADDY

STATE SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at harvest	At post-harvest	Lost	Rejected for analysis	For which schedules are not received
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	8	8				
6	Idukki	4	4				
7	Ernakulam	10	10				
8	Thrissur	8	8				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad						
13	Kannur	8	8				
14	Kasaragod	6	6				
Total for all crops		100	100				
* There is no autumn paddy in Wayanad district.							

Table 9(ii)

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

STATE: KERALA

YEAR: 2024-25

SEASON:AUTUMN

CROP:**PADDY**

CENTRAL SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at harvest	At post- harvest	Lost	Rejected for analysis	For which schedules are not received
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	8	8				
6	Idukki	4	4				
7	Ernakulam	10	10				
8	Thrissur	8	8				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad						
13	Kannur	8	8				
14	Kasaragod	6	6				
Total for all crops		100	100				
*There is no autumn paddy in Wayanad district.							

Table 9 (iii)

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

STATE:KERALA

YEAR: 2024-25

SEASON: WINTER

CROP: **PADDY**

STATE SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at harvest	At post- harvest	Lost	Rejected for analysis	For which schedules are not received
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	8	8				
6	Idukki	4	4				
7	Ernakulam	10	10				
8	Thrissur	8	8				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad						
13	Kannur	8	8				
14	Kasaragod	6	6				
Total		100	100				

Table 9 (iv)

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

STATE:KERALA

YEAR: 2024-25

SEASON:WINTER

CROP: **PADDY**

CENTRAL SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at Harvest	At post- harvest	Lost	Rejected for Analysis	For which schedules are not received
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	8	8				
6	Idukki	4	4				
7	Ernakulam	10	10				
8	Thrissur	8	6		2		
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	8	8				
12	Wayanad						
13	Kannur	8	8				
14	Kasaragod	6	6				
Total		100	98		2		

Table 9(v)

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

STATE:KERALA

YEAR: 2024-25

SEASON : SUMMER

CROP: **PADDY**

STATE SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at harvest	At post-harvest	Lost	Rejected for analysis	For which schedules are not received
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	12	12				
6	Idukki						
7	Ernakulam	10	10				
8	Thrissur	8	8				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	10	10				
12	Wayanad						
13	Kannur						
14	Kasaragod	12	12				
State Total		100	100				

Table 9 (vi)

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

STATE: KERALA

YEAR: 2024-25

SEASON : SUMMER

CROP: **PADDY**

CENTRAL SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at harvest	At post-harvest	Lost	Rejected for analysis	For which schedules are not received
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	12	12				
6	Idukki						
7	Ernakulam	10	10				
8	Thrissur	8	8				
9	Palakkad	10	10				
10	Malappuram	10	10				
11	Kozhikode	10	10				
12	Wayanad						
13	Kannur						
14	Kasaragod	12	12				
State Total		100	100				

Table 9(vii)

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

STATE:KERALA

YEAR: 2024-25

SEASON:ANNUAL

CROP:**BANANA**

STATE SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at harvest	At post-harvest	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	Ernakulam	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 9 (viii)

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

STATE: KERALA

YEAR: 2024-25

SEASON: ANNUAL

CROP: **BANANA**

CENTRAL SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at harvest	At post-harvest	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	Ernakulam	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 9 (ix)

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

STATE:KERALA

YEAR: 2024-25

SEASON:ANNUAL

CROP:TAPIOCA

STATE SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at harvest	At post- harvest	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						
5	Kottayam	4	4				
6	Idukki						
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad						
13	Kannur	4	4				
14	Kasaragod	4	4				
State Total		40	40				

Table 9 (x)

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

STATE: KERALA

YEAR: 2024-25

SEASON: ANNUAL

CROP: **TAPIOCA**

CENTRAL SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at harvest	At post-harvest	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						
5	Kottayam	4	4				
6	Idukki						
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad						
13	Kannur	4	4				
14	Kasaragod	4	4				
State Total		40	40				

Table 9 (xi)

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

STATE:KERALA

YEAR: 2024-25

SEASON:PERENNIAL

CROP: **COCONUT**

STATE SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at harvest	At post-harvest	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	Ernakulam	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 9 (xii)

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

STATE:KERALA

YEAR: 2024-25

SEASON:PERENNIAL

CROP:COCONUT

CENTRAL SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at harvest	At post-harvest	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	Ernakulam	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 9 (xiii)

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

STATE:KERALA

YEAR: 2024-25

SEASON:PERENNIAL

CROP:PEPPER

STATE SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at harvest	At post- harvest	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						
5	Kottayam	4	4				
6	Idukki						
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad						
13	Kannur	4	4				
14	Kasargod	4	4				
State Total		40	40				

Table 9(xiv)

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

STATE:KERALA

YEAR: 2024-25

SEASON: PERENNIAL

CROP: **PEPPER**

CENTRAL SAMPLE

Sl. No.	District	No. of Experiments					
		Planned	Checked at harvest	At post- harvest	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						
5	Kottayam	4	4				
6	Idukki						
7	Ernakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad						
13	Kannur	4	4				
14	Kasaragod	4	4				
State Total		40	40				

Table 9 (xv)

CROPWISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2024-25

SEASON: PERENNIAL

CROP: **ARECANUT**

STATE SAMPLE

Sl. No.	District	No. of experiments					
		Planned	Checked at harvest	At post-harvest	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						
5	Kottayam	4	4				
6	Idukki						
7	Eranakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad						
13	Kannur	4	4				
14	Kasaragod	4	4				
State Total		40	40				

Table 9 (xvi)

CROPWISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED

STATE : KERALA

YEAR : 2024-25

SEASON: PERENNIAL

CROP: ARECANUT

CENTRAL SAMPLE

Sl. No.	District	No. of experiments					
		Planned	Checked at harvest	At post-harvest	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						
5	Kottayam	4	4				
6	Idukki						
7	Eranakulam	4	4				
8	Thrissur	4	4				
9	Palakkad	4	4				
10	Malappuram	4	4				
11	Kozhikode	4	4				
12	Wayanad						
13	Kannur	4	4				
14	Kasaragod	4	4				
State Total		40	40				

2. 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
- E16 – any one of the items missing

3. Estimation on Average Yield Rates

4.1) Estimated yield rates of high yielding and other varieties of crops for irrigated and un-irrigated categories for paddy during Autumn, Winter and Summer for State and Central samples and the whole year crops Banana, Tapioca, Coconut, Pepper and Arecanut for State and Central samples are given in the Tables 10(i), 10(ii), 10(iii), 10(iv), 10(v), 10(vi), 10(vii), 10(viii), 10(ix), 10(x), 10(xi), 10(xii), 10(xiii), 10(xiv), 10(xv) & 10(xvi) respectively.

Table 10(i)

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

STATE: KERALA

YEAR: 2024-25

SEASON: AUTUMN

CROP: 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	4179.72			8	4179.72							8	4179.72			8	4179.72
2	Kollam	6	2	1595.11	4	2718.05	6	2343.73							2	1595.11	4	2718.05	6	2343.73
3	Pathanamthitta	6	2	1616.01	4	3244.80	6	2701.87							2	1616.01	4	3244.80	6	2701.87
4	Alappuzha	8	4	1244.52	2	3026.96	6	1838.67			2	1555.90	2	1555.90	4	1244.52	4	2291.43	8	1767.98
5	Kottayam	8	8	3209.45			8	3209.45							8	3209.45			8	3209.45
6	Idukki	4	4	2639.12			4	2639.12							4	2639.12			4	2639.12
7	Ernakulam	9	6	3405.54	4	1813.03	10	2768.54							6	3405.54	4	1813.03	10	2768.54
8	Thrissur	8			8	1311.08	8	1311.08									8	1311.08	8	1311.08
9	Palakkad	10	4	4508.08	6	4213.26	10	4331.19							4	4508.08	6	4213.26	10	4331.19
10	Malappuram	10			10	2468.01	10	2468.01									10	2468.01	10	2468.01
11	Kozhikode	8			7	2005.81	7	2005.81			1	701.48	1	701.48			8	1842.77	8	1842.77
12	Wayanad																			
13	Kannur	8			6	3640.50	6	3640.50			2	2698.69	2	2698.69			8	3405.05	8	3405.05
14	Kasaragod	6			6	3073.54	6	3073.54									6	3073.54	6	3073.54
State Total		99	38	3145.68	57	2665.45	95	2857.54			5	1842.13	5	1842.13	38	3145.68	62	2599.05	100	2806.77

Table 10 (ii)

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

STATE: KERALA			YEAR: 2024-25						SEASON: AUTUMN						CROP: 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	Thiruvanantha-puram	8	8	3417.24			8	3417.24							8	3417.24			8	3417.24		
2	Kollam	6	2	2644.18	4	3033.14	6	2903.49							2	2644.18	4	3033.14	6	2903.49		
3	Pathanamthitta	6			6	1951.40	6	1951.40									6	1951.40	6	1951.40		
4	Alappuzha	8	4	4669.62	3	1520.55	7	3320.02			1	1149.09	1	1149.09	4	4669.62	4	1427.68	8	3048.65		
5	Kottayam	8	7	3603.72			7	3603.72	1	2407.20			1	2407.20	8	3454.16			8	3454.16		
6	Idukki	4	4	2537.05			4	2537.05							4	2537.05			4	2537.05		
7	Ernakulam	10	6	3514.61	4	1793.36	10	2826.11							6	3514.61	4	1793.36	10	2826.11		
8	Thrissur	8			8	2564.54	8	2564.54									8	2564.54	8	2564.54		
9	Palakkad	10			10	3749.92	10	3749.92									10	3749.92	10	3749.92		
10	Malappuram	10	2	4038.81	8	2194.17	10	2563.10							2	4038.81	8	2194.17	10	2563.10		
11	Kozhikode	8	1	2732.08	5	1783.24	6	1941.38			2	588.87	2	588.87	1	2732.08	7	1441.99	8	1603.25		
12	Wayanad																					
13	Kannur	8			6	1932.47	6	1932.47			2	1549.35	2	1549.35			8	1836.69	8	1836.69		
14	Kasaragod	6			6	4035.56	6	4035.56									6	4035.56	6	4035.56		
State Total		100	34	3487.54	60	2597.82	94	2919.63	1	2407.20	5	1085.11	6	1305.46	35	3456.67	65	2481.46	100	2822.78		

Table 10 (iii)

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

STATE: KERALA			YEAR: 2024-25						SEASON: WINTER						CROP: 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	Thiruvanantha-puram	8	6	3895.85			6	3895.85	1	6057.83	1	11.32	2	3034.57	7	4204.70	1	11.32	8	3680.53		
2	Kollam	6	4	1860.77			4	1860.77	2	2390.54			2	2390.54	6	2037.36			6	2037.36		
3	Pathanamthitta	6	6	2571.52			6	2571.52							6	2571.52			6	2571.52		
4	Alappuzha	8	4	4466.60	3	3331.18	7	3979.99			1	609.79	1	609.79	4	4466.60	4	2650.83	8	3558.72		
5	Kottayam	8	8	3828.14			8	3828.14							8	3828.14			8	3828.14		
6	Idukki	4	4	5903.38			4	5903.38							4	5903.38			4	5903.38		
7	Eranakulam	10	9	3022.02			9	3022.02	1	2442.89			1	2442.89	10	2964.11			10	2964.11		
8	Thrissur	8	8	4318.30			8	4318.30							8	4318.30			8	4318.30		
9	Palakkad	10	9	5126.43	1	5026.68	10	5116.45							9	5126.43	1	5026.68	10	5116.45		
10	Malappuram	10	3	4163.64	3	5319.16	6	4741.40	1	1567.49	3	2744.36	4	2450.14	4	3514.60	6	4031.76	10	3824.90		
11	Kozhikode	8	2	2415.74			2	2415.74			6	949.40	6	949.40	2	2415.74	6	949.40	8	1315.98		
12	Wayanad																					
13	Kannur	8	6	2700.66			6	2700.66	2	2222.95			2	2222.95	8	2581.23			8	2581.23		
14	Kasaragod	6	5	2810.73			5	2810.73	1	4393.69			1	4393.69	6	3074.56			6	3074.56		
State Total		100	74	3700.20	7	4425.38	81	3762.87	8	2961.11	11	1322.78	19	2012.60	82	3628.09	18	2529.35	100	3430.32		

Table 10 (iv)

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

STATE: KERALA			YEAR: 2024-25		SEASON: WINTER		CROP: 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	4049.78			7	4049.78	1	1112.74			1	1112.74	8	3682.65			8	3682.65
2	Kollam	6	3	3974.88	3	3377.09	6	3675.98							3	3974.88	3	3377.09	6	3675.98
3	Pathanamthitta	6	6	2613.05			6	2613.05							6	2613.05			6	2613.05
4	Alappuzha	8	5	4232.01	1	2186.69	6	3891.12			2	436.95	2	436.95	5	4232.01	3	1020.20	8	3027.58
5	Kottayam	8	8	4426.06			8	4426.06							8	4426.06			8	4426.06
6	Idukki	4	4	3344.30			4	3344.30							4	3344.30			4	3344.30
7	Ernakulam	10	10	3460.02			10	3460.02							10	3460.02			10	3460.02
8	Thrissur	6	6	5892.37			6	5892.37							6	5892.37			6	5892.37
9	Palakkad	10	10	4856.59			10	4856.59							10	4856.59			10	4856.59
10	Malappuram	10	9	4899.66			9	4899.66	1	1808.64			1	1808.64	10	4590.55			10	4590.55
11	Kozhikode	8	1	3101.70	1	104.38	2	1603.04	2	1000.97	4	1611.89	6	1408.25	3	1701.21	5	1310.39	8	1456.95
12	Wayanad																			
13	Kannur	8	7	5357.00			7	5357.00	1	1594.44			1	1594.44	8	4886.68			8	4886.68
14	Kasaragod	6	6	3799.79			6	3799.79							6	3799.79			6	3799.79
State Total		98	82	4291.63	5	2484.47	87	4187.77	5	1303.55	6	1220.25	11	1258.11	87	4119.90	11	1794.89	98	3858.93

Table 10(v)

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

STATE: KERALA			YEAR: 2024-25						SEASON: SUMMER						CROP: PADDY				STATE SAMPLE			
Sl. No.	District	No.ofexpts.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	3501.93			8	3501.93							8	3501.93			8	3501.93		
2	Kollam	6	6	5087.50			6	5087.50							6	5087.50			6	5087.50		
3	Pathanamthitta	6	6	5077.08			6	5077.08							6	5077.08			6	5077.08		
4	Alappuzha	8	8	3366.31			8	3366.31							8	3366.31			8	3366.31		
5	Kottayam	12	12	3432.37			12	3432.37							12	3432.37			12	3432.37		
6	Idukki																					
7	Ernakulam	10	10	4971.01			10	4971.01							10	4971.01			10	4971.01		
8	Thrissur	8	8	3872.92			8	3872.92							8	3872.92			8	3872.92		
9	Palakkad	10	10	5416.50			10	5416.50							10	5416.50			10	5416.50		
10	Malappuram	10	9	4394.07			9	4394.07	1	2310.40			1.00	2310.40	10	4185.70			10	4185.70		
11	Kozhikode	10	7	1353.02			7	1353.02	3	1075.08			3.00	1075.08	10	1269.64			10	1269.64		
12	Wayanad																					
13	Kannur																					
14	Kasaragod	12	12	2958.57			12	2958.57							12	2958.57			12	2958.57		
State Total		100	96	3921.88			96	3921.88	4	1383.91			4.00	1383.91	100	3820.37			100	3820.37		

Table 10 (vi)

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

STATE: KERALA

YEAR: 2024-25

SEASON: SUMMER

CROP: 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	2408.02			8	2408.02							8	2408.02			8	2408.02
2	Kollam	6	6	820.07			6	820.07							6	820.07			6	820.07
3	Pathanamthitta	6	6	2471.98			6	2471.98							6	2471.98			6	2471.98
4	Alappuzha	8	8	4248.10			8	4248.10							8	4248.10			8	4248.10
5	Kottayam	12	12	3575.90			12	3575.90							12	3575.90			12	3575.90
6	Idukki																			
7	Ernakulam	10	10	3386.96			10	3386.96							10	3386.96			10	3386.96
8	Thrissur	8	8	5101.78			8	5101.78							8	5101.78			8	5101.78
9	Palakkad	10	10	5930.46			10	5930.46							10	5930.46			10	5930.46
10	Malappuram	10	10	4316.42			10	4316.42							10	4316.42			10	4316.42
11	Kozhikode	10	7	2276.65	3	2445	10	2327.05							7	2276.65	3	2445	10	2327.05
12	Wayanad																			
13	Kannur																			
14	Kasaragod	12	12	4572.23			12	4572.23							12	4572.23			12	4572.23
	State Total	100	97	3751.22	3	2445	100	3712.02							97	3751.22	3	2445	100	3712.02

Table 10 (vii)

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

STATE: KERALA

YEAR: 2024-25

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							4	13041.67			4	13041.67	4	13041.67			4	13041.67
2	Kollam	4							4	10775.00			4	10775.00	4	10775.00			4	10775.00
3	Pathanamthitta																			
4	Alappuzha	4	1	7333.33			1	7333.33	3	10666.67			3	10666.67	4	9833.33			4	9833.33
5	Kottayam	4	2	20300.00			2	20300.00	2	22383.33			2	22383.33	4	21341.67			4	21341.67
6	Idukki																			
7	Ernakulam	4	1	26366.67			1	26366.67	3	19188.89			3	19188.89	4	20983.33			4	20983.33
8	Thrissur	6							3	21466.67	3	14189	6	17827.78	3	21466.67	3	14189	6	17827.78
9	Palakkad	6	3	28444.44			3	28444.44	3	13644.44			3	13644.44	6	21044.44			6	21044.44
10	Malappuram	6	1	23033.33			1	23033.33	5	11013.33			5	11013.33	6	13016.67			6	13016.67
11	Kozhikode	4	1	20400.00	1	13067	2	16733.33	2	17650.00			2	17650.00	3	18566.67	1	13067	4	17191.67
12	Wayanad																			
13	Kannur	4	2	25116.67			2	25116.67	2	12466.67			2	12466.67	4	18791.67			4	18791.67
14	Kasaragod	4							4	19500.00			4	19500.00	4	19500.00			4	19500.00
	State Total	50	11	23027.27	1	13067	12	22197.22	35	15092.38	3	14189	38	15021.05	46	16989.86	4	13908	50	16743.33

Table 10 (viii)

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

STATE: KERALA				YEAR: 2024-25		SEASON: ANNUAL		CROP: BANANA				CENTRAL SAMPLE									
Sl. No	District	No.ofexpts.Checked at harvest	HY Varieties						Other Varieties						Both HY & Others						Yield Rate Kg/Ha
			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		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
1	Thiruvananthapuram	4							3	8055.56	1	23266.67	4	11858.33	3	8055.56	1	23266.67	4	11858.33	
2	Kollam	4							3	17422.22	1	11466.67	4	15933.33	3	17422.22	1	11466.67	4	15933.33	
3	Pathanamthitta																				
4	Alappuzha	4							3	19222.22	1	13666.67	4	17833.33	3	19222.22	1	13666.67	4	17833.33	
5	Kottayam	4							2	26700.00	2	17033.33	4	21866.67	2	26700.00	2	17033.33	4	21866.67	
6	Idukki																				
7	Ernakulam	4	2	17233.33			2	17233.33	2	18116.67			2	18116.67	4	17675.00			4	17675.00	
8	Thrissur	6							6	15461.11			6	15461.11	6	15461.11			6	15461.11	
9	Palakkad	6	2	29600.00			2	29600.00	4	18816.67			4	18816.67	6	22411.11			6	22411.11	
10	Malappuram	6	1	14533.33	1	29800.00	2	22166.67	2	6383.33	2	19500.00	4	12941.67	3	9100.00	3	22933.33	6	16016.67	
11	Kozhikode	4			2	15950.00	2	15950.00	1	30266.67	1	15866.67	2	23066.67	1	30266.67	3	15922.22	4	19508.33	
12	Wayanad																				
13	Kannur	4							4	21400.00			4	21400.00	4	21400.00			4	21400.00	
14	Kasaragod	4							4	15650.00			4	15650.00	4	15650.00			4	15650.00	
State Total			50	5	21640.00	3	20566.67	8	21237.50	34	17147.06	8	17166.67	42	17150.79	39	17723.08	11	18093.94	50	17804.67

Table 10 (ix)

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

STATE: KERALA			YEAR: 2024-25						SEASON: ANNUAL						CROP:TAPIOCA						STATE SAMPLE					
Sl. No.	District	No.ofexpts.Check ed 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	Thiruvanantha-puram	4									4	35062.50	4	35062.50			4	35062.50	4	35062.50						
2	Kollam	4			1	60375.00	1	60375.00	1	25250.00	2	21437.50	3	22708.33	1	25250.00	3	34416.67	4	32125.00						
3	Pathanamthitta																									
4	Alappuzha																									
5	Kottayam	4	1	33750.00	2	43562.50	3	40291.67			1	38500.00	1	38500.00	1	33750.00	3	41875.00	4	39843.75						
6	Idukki																									
7	Ernakulam	4							4	41218.75			4	41218.75	4	41218.75			4	41218.75						
8	Thrissur	4							2	58212.50	2	52812.50	4	55512.50	2	58212.50	2	52812.50	4	55512.50						
9	Palakkad	4	3	36500.00			3	36500.00			1	25375.00	1	25375.00	3	36500.00	1	25375.00	4	33718.75						
10	Malappuram	4							1	98000.00	3	18833.33	4	38625.00	1	98000.00	3	18833.33	4	38625.00						
11	Kozhikode	4							1	34250.00	3	19958.33	4	23531.25	1	34250.00	3	19958.33	4	23531.25						
12	Wayanad																									
13	Kannur	4	1	37375.00	1	55500.00	2	46437.50			2	29187.50	2	29187.50	1	37375.00	3	37958.33	4	37812.50						
14	Kasaragod	4									4	34500.00	4	34500.00			4	34500.00	4	34500.00						
State Total			40	5	36125.00	4	50750.00	9	42625.00	9	48755.56	22	30244.32	31	35618.55	14	44244.64	26	33399.04	40	37195.00					

Table 10 (x)

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

STATE: KERALA			YEAR: 2024-25		SEASON: ANNUAL		CROP:TAPIOCA		CENTRAL SAMPLE												
Sl.No	District	No.ofexpts.Check ed 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	Thiruvanantha- puram	4							2	37625.00	2	16875.00	4	27250.00	2	37625.00	2	16875.00	4	27250.00	
2	Kollam	4			2	57500.00	2	57500.00	2	37425.00			2	37425.00	2	37425.00	2	57500.00	4	47462.50	
3	Pathanamthitta																				
4	Alappuzha																				
5	Kottayam	4	1	48000.00	2	43750.00	3	45166.67			1	30500.00	1	30500.00	1	48000.00	3	39333.33	4	41500.00	
6	Idukki																				
7	Ernakulam	4							4	33537.50			4	33537.50	4	33537.50			4	33537.50	
8	Thrissur	4							4	25968.75			4	25968.75	4	25968.75			4	25968.75	
9	Palakkad	4	2	45062.50	1	29250.00	3	39791.67	1	22125.00			1	22125.00	3	37416.67	1	29250.00	4	35375.00	
10	Malappuram	4							4	25656.25			4	25656.25	4	25656.25			4	25656.25	
11	Kozhikode	4							3	22541.67	1	13000.00	4	20156.25	3	22541.67	1	13000.00	4	20156.25	
12	Wayanad																				
13	Kannur	4									4	25843.75	4	25843.75			4	25843.75	4	25843.75	
14	Kasaragod	4									4	29312.50	4	29312.50			4	29312.50	4	29312.50	
State Total			40	3	46041.67	5	46350.00	8	46234.38	20	29025.00	12	24822.92	32	27449.22	23	31244.57	17	31154.41	40	31206.25

Table 10 (xi)

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

STATE: KERALA			YEAR: 2024-25						SEASON: PERENNIAL						CROP:COCONUT		STATE SAMPLE					
Sl. No.	District	No.ofexpts.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	17206.60	3	7778.53	4	10135.55	1	17206.6	3	7778.533	4	10135.55		
2	Kollam	4									4	12348.00	4	12348			4	12348	4	12348		
3	Pathanamthitta																					
4	Alappuzha	4							2	10593.90	2	8887.50	4	9740.7	2	10593.9	2	8887.5	4	9740.7		
5	Kottayam	4									4	7062.00	4	7062			4	7062	4	7062		
6	Idukki																					
7	Ernakulam	4									4	3866.50	4	3866.5			4	3866.5	4	3866.5		
8	Thrissur	6							5	6641.44	1	7745.60	6	6825.467	5	6641.44	1	7745.6	6	6825.467		
9	Palakkad	6							6	9132.40			6	9132.4	6	9132.4			6	9132.4		
10	Malappuram	6							2	12968.80	4	13224.00	6	13138.93	2	12968.8	4	13224	6	13138.93		
11	Kozhikode	4									4	13405.25	4	13405.25			4	13405.25	4	13405.25		
12	Wayanad																					
13	Kannur	4							2	6825.00	2	4683.00	4	5754	2	6825	2	4683	4	5754		
14	Kasaragod	4							2	6344.40	2	7507.20	4	6925.8	2	6344.4	2	7507.2	4	6925.8		
State Total		50							20	8933.62	30	9095.32	50	9030.64	20	8933.62	30	9095.32	50	9030.64		

Table 10 (xii)

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

STATE: KERALA				YEAR: 2024-25				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 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									4	5743.10	4	5743.1			4	5743.1	4	5743.1			
2	Kollam	4									4	6027.00	4	6027			4	6027	4	6027			
3	Pathanamthitta																						
4	Alappuzha	4									4	14030.40	4	14030.4			4	14030.4	4	14030.4			
5	Kottayam	4									4	9137.80	4	9137.8			4	9137.8	4	9137.8			
6	Idukki																						
7	Eranakulam	4									4	6552.15	4	6552.15			4	6552.15	4	6552.15			
8	Thrissur	6							6	7738.73			6	7738.733	6	7738.733			6	7738.733			
9	Palakkad	6							4	8366.10	2	9574.80	6	8769	4	8366.1	2	9574.8	6	8769			
10	Malappuram	6							2	8282.40	4	11112.80	6	10169.33	2	8282.4	4	11112.8	6	10169.33			
11	Kozhikode	4									4	10524.25	4	10524.25			4	10524.25	4	10524.25			
12	Wayanad																						
13	Kannur	4							2	10185.00	2	7035.00	4	8610	2	10185	2	7035	4	8610			
14	Kasaragod	4							1	8976.00	3	9819.20	4	9608.4	1	8976	3	9819.2	4	9608.4			
State Total		50							15	8387.17	35	9005.35	50	8819.896	15	8387.173	35	9005.349	50	8819.896			

Table 10 (xiii)

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

STATE: KERALA				YEAR: 2024-25				SEASON: PERENNIAL				CROP:PEPPER				STATE SAMPLE					
Sl. No.	District	No.ofexpts.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									4	345.37	4	345.37			4	345.37	4	345.37	
2	Kollam	4									4	332.17	4	332.17			4	332.17	4	332.17	
3	Pathanamthitta																				
4	Alappuzha																				
5	Kottayam	4			2	371.40	2	371.40			2	170.12	2	170.12			4	270.76	4	270.76	
6	Idukki																				
7	Ernakulam	4									4	173.23	4	173.23			4	173.23	4	173.23	
8	Thrissur	4							4	325.75			4	325.75	4	325.75			4	325.75	
9	Palakkad	4	1	1052.23	1	475.89	2	764.06	2	364.43			2	364.43	3	593.70	1	475.89	4	564.24	
10	Malappuram	4	2	329.60			2	329.60			2	208.98	2	208.98	2	329.60	2	208.98	4	269.29	
11	Kozhikode	4									4	325.93	4	325.93			4	325.93	4	325.93	
12	Wayanad																				
13	Kannur	4			3	819.78	3	819.78			1	332.90	1	332.90			4	698.06	4	698.06	
14	Kasaragod	4									4	528.86	4	528.86			4	528.86	4	528.86	
State Total			40	3	570.48	6	613.01	9	598.83	6	338.64	25	316.53	31	320.81	9	415.92	31	373.92	40	383.37

Table 10 (xiv)

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

STATE: KERALA				YEAR: 2024-25				SEASON: PERENNIAL				CROP:PEPPER				CENTRAL SAMPLE							
Sl. No.	District	No.ofexpts.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	995.03	3	179.40	4	383.31	1	995.03	3	179.40	4	383.31			
2	Kollam	4							2	1053.69	2	597.61	4	825.65	2	1053.69	2	597.61	4	825.65			
3	Pathanamthitta																						
4	Alappuzha																						
5	Kottayam	4			1	665.07	1	665.07			3	647.22	3	647.22			4	651.68	4	651.68			
6	Idukki																						
7	Ernakulam	4							4	221.44			4	221.44	4	221.44			4	221.44			
8	Thrissur	4	1	618.14			1	618.14	2	392.29	1	88.72	3	291.10	3	467.58	1	88.72	4	372.86			
9	Palakkad	4	1	1613.17			1	1613.17	2	212.28	1	286.70	3	237.09	3	679.24	1	286.70	4	581.11			
10	Malappuram	4	2	921.71	1	272.04	3	705.15			1	325.57	1	325.57	2	921.71	2	298.80	4	610.26			
11	Kozhikode	4	1	93.86	1	286.70	2	190.28			2	295.14	2	295.14	1	93.86	3	292.33	4	242.71			
12	Wayanad																						
13	Kannur	4	3	817.10			3	817.10			1	335.83	1	335.83	3	817.10	1	335.83	4	696.78			
14	Kasaragod	4									4	404.58	4	404.58			4	404.58	4	404.58			
State Total		40	8	827.48	3	407.94	11	713.06	11	472.49	18	384.47	29	417.86	19	621.96	21	387.82	40	499.04			

Table 10 (xv)

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

STATE: KERALA			YEAR: 2024-25						SEASON: PERENNIAL						CROP: ARECANUT		STATE SAMPLE					
Sl. No.	District	No.ofexpts.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									4	921.80	4	921.805			4	921.805	4	921.805		
2	Kollam	4									4	865.04	4	865.0371			4	865.0371	4	865.0371		
3	Pathanamthitta																					
4	Alappuzha																					
5	Kottayam	4			1	1621.11	1	1621.111			3	839.17	3	839.1722			4	1034.657	4	1034.657		
6	Idukki																					
7	Eranakulam	4									4	578.97	4	578.9675			4	578.9675	4	578.9675		
8	Thrissur	4							3	439.51	1	396.23	4	428.6919	3	439.5118	1	396.2322	4	428.6919		
9	Palakkad	4	3	995.38			3	995.3798	1	225.80			1	225.8038	4	802.9858			4	802.9858		
10	Malappuram	4			1	878.53	1	878.5337			3	819.50	3	819.4987			4	834.2574	4	834.2574		
11	Kozhikode	4									4	1501.83	4	1501.829			4	1501.829	4	1501.829		
12	Wayanad																					
13	Kannur	4	2	963.17	1	1125.05	3	1017.134			1	746.66	1	746.6626	2	963.1746	2	935.8577	4	949.5161		
14	Kasaragod	4							3	2622.26	1	1284.72	4	2287.872	3	2622.258	1	1284.716	4	2287.872		
State Total		40	5	982.50	3	1208.23	8	1067.15	7	1344.44	25	914.97	32	1008.92	12	1193.63	28	946.388	40	1020.56		

Table 10 (xvi)

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

STATE: KERALA

YEAR: 2024-25

SEASON: PERENNIAL

CROP: ARECANUT

CENTRAL SAMPLE

SLNo.	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									4	737.76	4	737.76			4	737.76	4	737.76
2	Kollam	4									4	865.04	4	865.0371			4	865.0371	4	865.0371
3	Pathanamthitta																			
4	Alappuzha																			
5	Kottayam	4			1	1284.40	1	1284.402			3	631.05	3	631.0515			4	794.3891	4	794.3891
6	Idukki																			
7	Eranakulam	4							2	320.12	2	456.41	4	388.2674	2	320.1225	2	456.4123	4	388.2674
8	Thrissur	4							3	423.10	1	1117.06	4	596.5869	3	423.0954	1	1117.061	4	596.5869
9	Palakkad	4	1	373.27			1	373.2674	1	1082.94	2	552.99	3	729.638	2	728.1019	2	552.9888	4	640.5454
10	Malappuram	4							4	1457.04			4	1457.038	4	1457.038			4	1457.038
11	Kozhikode	4									4	1062.85	4	1062.849			4	1062.849	4	1062.849
12	Wayanad																			
13	Kannur	4							4	1212.06			4	1212.062	4	1212.062			4	1212.062
14	Kasaragod	4							4	1782.77			4	1782.766	4	1782.766			4	1782.766
State Total		40	1	373.27	1	1284.40	2	828.835	18	1155.55	20	784.58	38	960.304	19	1114.38	21	808.381	40	953.73

4.2) Crop-wise rate of application of fertilizers and differential yield rates according to inputs for paddy during Autumn, Winter and Summer for State and Central samples and for the whole year crops Banana, Tapioca, Coconut, Pepper and Arecanut for State and Central samples are given in the Tables 11(i), 11(ii), 11(iii), 11(iv), 11(v), 11(vi), 11(vii), 11(viii), 11(ix), 11(x), 11(xi), 11(xii), 11(xiii), 11(xiv), 11(xv) & 11(xvi) respectively.

Table 11 (i) - CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS

STATE: KERALA

YEAR: 2024-25

SEASON: AUTUMN

CROP: 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	4179.73	5	4519.45	8	8	8	8	4179.73	44.71	21.35	34.94		
2	Kollam	6	2343.73	3	1831.35	6	6	6	6	2343.73	32.05	18.09	24.43		
3	Pathanamthitta	6	2701.87	4	3244.80	6	6	6	6	2701.87	39.36	27.05	20.52		
4	Alappuzha	8	1767.98	5	1759.11	5	5	5	5	1759.11	29.4	67	38.4	3	1782.76
5	Kottayam	8	3209.45	8	3209.45	8	8	8	8	3209.45	61.38	40	38		
6	Idukki	4	2639.12	2	1883.97	4	4	4	4	2639.12	59	27	56.5		
7	Ernakulam	9	3076.16	6	3346.54	8	7	8	8	3283.66	35.59	21.94	26.63	2	708.05
8	Thrissur	8	1311.08	2	1228.10	7	6	7	7	1492.06	35.43	16.17	33.29	1	44.26
9	Palakkad	10	4331.19	5	4373.69	10	10	8	10	4331.19	78.2	42.3	53		
10	Malappuram	10	2468.01	2	1802.55	8	6	9	9	2613.69	44.9	24.97	33.13	2	578.46
11	Kozhikode	8	1842.77			6	5	6	6	1430.04	34.47	13.48	30.97	2	3080.97
12	Wayanad														
13	Kannur	8	3405.05			5	5	5	5	4416.68	30.6	26.8	32.2	3	1719.00
14	Kasaragod	6	3073.54			4	4	2	4	2972.38	26.25	22.25	36	2	3275.84
State Total		99	2835.12	42	3031.40	85	80	82	86	2963.27	42.410769	28.338462	35.231538	15	1722.41

Table 11 (i)

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

STATE: KERALA

YEAR: 2024-25

SEASON:AUTUMN

CROP: 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			3	3613.52	5	4519.45	3	3613.52			8	4179.73
2	Kollam			3	2856.11	3	1831.35	3	2856.11			6	2343.73
3	Pathanamthitta			2	1616.01	4	3244.80	2	1616.01			6	2701.87
4	Alappuzha	2	2516.04	2	2516.04	6	1518.62			1	316.19	7	1975.37
5	Kottayam					8	3209.45					8	3209.45
6	Idukki			2	3394.26	2	1883.97	2	3394.26			4	2639.12
7	Ernakulam			2	3095.03	8	2686.92	2	3095.03	2	708.05	8	3283.66
8	Thrissur	1	44.26	6	1338.74	2	1228.10	5	1597.64			8	1311.08
9	Palakkad			5	4288.69	5	4373.69	5	4288.69			10	4331.19
10	Malappuram	1	0.37	7	2845.49	3	1587.22	6	3319.68	1	1156.56	9	2613.73
11	Kozhikode	2	3080.97	8	1842.77			6	1430.04			8	1842.77
12	Wayanad												
13	Kannur	2	2544.69	7	3881.83	1	67.61	5	4416.68	1	67.61	7	3881.83
14	Kasaragod	1	2899.07	5	2957.72	1	3652.61	4	2972.38	1	3652.61	5	2957.72
State Total		9	2136.34	52	2822.11	48	2790.16	43	2965.64	6	1101.51	94	2915.62

Table 11 (ii)

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

STATE:KERALA

YEAR: 2024-25

SEASON:AUTUMN

CROP: PADDY

CENTRAL 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	3417.24	2	2578.87	8	7	6	8	3417.24	47.5	25.29	26		
2	Kollam	6	2903.49	2	2941.51	6	6	6	6	2903.49	60.33	12.17	56.33		
3	Pathanamthitta	6	1951.40	2	0.04	6	6	5	6	1951.40	38.5	17	45.4		
4	Alappuzha	8	3048.65	4	4669.62	4	4	4	4	4669.62	98.5	48	64	4	5710.74
5	Kottayam	8	3454.16	5	3735.41	6	6	6	6	3694.58	37.45	26.67	26.67	2	5465.76
6	Idukki	4	2537.05			4	4	4	4	2537.05	67.5	39	60.5		
7	Ernakulam	10	2826.11	4	3520.57	7	5	8	8	3134.81	44.71	50.2	44	2	3182.64
8	Thrissur	8	2564.54	3	2447.60	5	5	5	5	2771.90	46	24.6	49.4	3	6656.84
9	Palakkad	10	3749.92	8	4218.61	10	10	10	10	3749.92	61.5	27.3	40.3		
10	Malappuram	10	2563.10	3	1555.50	6	6	6	6	2493.07	31.46	15.97	21.67	4	10672.56
11	Kozhikode	8	1603.25			4	4	2	4	1837.69	34.33	13.88	53.5	4	5475.24
12	Wayanad														
13	Kannur	8	1836.69			4	2	3	4	2215.10	40.5	20	33.67	4	5833.11
14	Kasaragod	6	4035.56	1	3567.23	6	6	5	6	4035.56	32.62	25.52	24.52		
State Total		100	2822.78	34	3288.35	76	71	70	77	3107.55	48.7295	26.076	40.594	23	6436.26

Table 11 (ii)

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

STATE:KERALA

YEAR: 2024-25

SEASON:AUTUMN

CROP: 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			6	3696.69	2	2578.87	6	3696.69			8	3417.24
2	Kollam			4	2884.48	2	2941.51	4	2884.48			6	2903.49
3	Pathanamthitta			4	2927.08	2	0.04	4	2927.08			6	1951.40
4	Alappuzha	2	2591.23	2	1295.62	6	3633.00			2	1559.75	6	3544.95
5	Kottayam	1	2407.20	2	2948.82	6	3622.60	1	3490.44	1	3058.56	7	3510.67
6	Idukki			4	2537.05			4	2537.05			4	2537.05
7	Ernakulam			4	2749.05	6	2877.49	4	2749.05	2	1591.32	8	3134.81
8	Thrissur	3	6656.84	5	2634.71	3	2447.60	2	3258.35			8	2564.54
9	Palakkad			2	1875.18	8	4218.61	2	1875.18			10	3749.92
10	Malappuram	2	8077.62	5	3673.91	5	1452.29	3	3430.64	2	1297.47	8	2879.51
11	Kozhikode	4	5475.24	8	1603.25			4	1837.69			8	1603.25
12	Wayanad												
13	Kannur	3	5833.07	7	2099.07	1	0.04	4	2215.10	1	0.04	7	2099.07
14	Kasaragod			5	4129.23	1	3567.23	5	4129.23			6	4035.56
State Total		15	5541.04	58	2733.08	42	2946.66	43	2964.59	8	1494.46	92	2938.29

Table 11 (iii)

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

STATE: KERALA

YEAR: 2024-25

SEASON: WINTER

CROP: 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		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3680.53	2	916.60	7	7	7	7	3340.91	46.01	20.67	32.18	1	6057.83
2	Kollam	6	2037.36	3	2625.79	6	6	2	6	2037.36	30.1	21.83	35.5		
3	Pathanamthitta	6	2571.52	3	2446.33	6	6	6	6	2571.52	53.77	24.63	37.8		
4	Alappuzha	8	3558.72	6	4541.69	6	6	6	6	4541.69	56.5	34.33	55.83	2	1219.58
5	Kottayam	8	3828.14	6	3820.77	8	8	8	8	3828.14	80.63	47	60.63		
6	Idukki	4	5903.38	2	5484.77	4	4	4	4	5903.38	53	24.5	29.5		
7	Ernakulam	10	2964.11	5	2614.55	10	10	10	10	2964.11	34.59	19.36	20.96		
8	Thrissur	8	4318.30	5	4417.69	8	8	7	8	4318.30	42	21	39.86		
9	Palakkad	10	5116.45	7	4935.76	9	9	9	9	4971.96	78.89	49.11	55	1	6416.87
10	Malappuram	10	3824.90	4	4115.60	6	5	4	6	4493.34	59.83	33.4	39.75	4	11288.93
11	Kozhikode	8	1315.98	1	917.09	6	5	3	6	1511.08	35.53	22.12	45.4	2	1461.38
12	Wayanad														
13	Kannur	8	2581.23	3	2563.46	7	5	6	7	2648.04	26.86	22.24	26.5	1	2113.56
14	Kasaragod	6	3074.56	2	1587.57	6	5	4	6	3074.56	28.83	22.4	21.5		
State Total		100	3430.32	49	3594.91	89	84	76	89	3533.41	626.54	362.59	500.41	11	5918.72

Table 11 (iii)

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

STATE: KERALA

YEAR: 2024-25

SEASON: WINTER

CROP: 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	1	6057.83	6	4601.84	2	916.60	5	4310.64			8	3680.53
2	Kollam			3	1448.93	3	2625.79	3	1448.93			6	2037.36
3	Pathanamthitta			3	2696.70	3	2446.33	3	2696.70			6	2571.52
4	Alappuzha					8	3558.72			2	609.79	6	4541.69
5	Kottayam			2	3850.27	6	3820.77	2	3850.27			8	3828.14
6	Idukki			2	6321.98	2	5484.77	2	6321.98			4	5903.38
7	Ernakulam			5	3313.67	5	2614.55	5	3313.67			10	2964.11
8	Thrissur			3	4152.65	5	4417.69	3	4152.65			8	4318.30
9	Palakkad			2	5098.65	8	5120.90	2	5098.65	1	6416.87	9	4971.96
10	Malappuram	3	8500.61	5	3799.65	5	3850.14	2	5248.82	1	2788.32	9	3940.07
11	Kozhikode	2	1461.38	7	1372.97	1	917.09	5	1629.88			8	1315.98
12	Wayanad												
13	Kannur	1	2113.56	5	2591.89	3	2563.46	4	2711.48			8	2581.23
14	Kasaragod			4	3818.05	2	1587.57	4	3818.05			6	3074.56
State Total		7	5228.00	47	3328.87	53	3520.29	40	3458.08	4	2606.19	96	3464.66

Table 11 (iv)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS
STATE: KERALA YEAR: 2024-25 SEASON: WINTER CROP: 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.				Yield Rate	Rate of Application			No.	Yield Rate
						N	P	K	Exclusive Total		N	P	K		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3682.65	2	5267.60	7	7	7	7	4049.78	70.07	28.5	30	1	1112.74
2	Kollam	6	3675.98	1	4829.76	5	4	5	5	3350.88	59	34.5	43.4	1	5301.50
3	Pathanamthitta	6	2613.05	4	3492.71	6	6	6	6	2613.05	64.83	26.17	54.5		
4	Alappuzha	8	3027.58	5	3734.85	8	6	6	8	3027.58	79.25	44.67	55.5		
5	Kottayam	8	4426.06	8	4426.06	8	8	8	8	4426.06	87.07	29.03	62.23		
6	Idukki	4	3344.30	1	1667.14	4	4	4	4	3344.30	64.75	38	52.25		
7	Ernakulam	10	3460.02	5	3765.57	8	9	6	9	3542.07	29.88	17.67	24	1	2721.66
8	Thrissur	6	5892.37	2	6832.98	6	6	6	6	5892.37	53.83	31.5	30		
9	Palakkad	10	4856.60	4	4335.37	10	10	10	10	4856.60	61.1	31.1	52.4		
10	Malappuram	10	4590.55	4	4996.37	10	10	8	10	4590.55	44.61	24.88	43.75		
11	Kozhikode	8	1456.95	1	104.38	4	4	2	4	1610.03	67	45.5	46.5	4	5215.47
12	Wayanad														
13	Kannur	8	4886.68			7	7	6	7	5357.00	56.57	18.86	42.83	1	1594.44
14	Kasaragod	6	3799.79	1	5074.08	5	5	5	5	3948.56	20.8	27.8	30	1	3055.98
State Total		98	3858.93	38	4212.76	88	86	79	89	4035.66	58.5368	29.157	44.2	9	3849.80

Table 11 (iv)

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

STATE: KERALA

YEAR: 2024-25

SEASON: WINTER

CROP: 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	1112.74	6	3154.34	2	5267.60	5	3562.65			8	3682.65
2	Kollam	1	5301.50	5	3445.23	1	4829.76	4	2981.16			6	3675.98
3	Pathanamthitta			2	853.73	4	3492.71	2	853.73			6	2613.05
4	Alappuzha			3	1848.78	5	3734.85	3	1848.78			8	3027.58
5	Kottayam					8	4426.06					8	4426.06
6	Idukki			3	3903.36	1	1667.14	3	3903.36			4	3344.30
7	Ernakulam	1	2721.66	5	3154.48	5	3765.57	4	3262.69			10	3460.02
8	Thrissur			4	5422.07	2	6832.98	4	5422.07			6	5892.37
9	Palakkad			6	5204.08	4	4335.37	6	5204.08			10	4856.60
10	Malappuram			6	4320.01	4	4996.37	6	4320.01			10	4590.55
11	Kozhikode	4	5215.47	7	1650.17	1	104.38	3	2111.91			8	1456.95
12	Wayanad												
13	Kannur	1	1594.44	8	4886.68			7	5357.00			8	4886.68
14	Kasaragod	1	3055.98	5	3544.94	1	5074.08	4	3667.18			6	3799.79
State Total		9	3849.80	60	3634.84	38	4212.76	51	3903.70			98	3858.93

Table 11(v)

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

STATE: KERALA

YEAR: 2024-25

SEASON: SUMMER

CROP: 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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Thiruvananthapuram	8	3501.93	2	1584.64	8	6	8	8	3501.93	49.40	17.47	32.46		
2	Kollam	6	5087.50	3	6010.85	6	6	6	6	5087.50	23.67	12.67	26.17		
3	Pathanamthitta	6	5077.08	6	5077.08	6	6	6	6	5077.08	63.94	29.83	54.40		
4	Alappuzha	8	3366.31	8	3366.31	8	8	8	8	3366.31	58.00	28.68	35.28		
5	Kottayam	12	3432.37	11	3393.20	12	12	12	12	3432.37	76.67	38.83	42.25		
6	Idukki														
7	Ernakulam	10	4971.01	5	4979.06	10	8	9	10	4971.01	46.82	23.1	42.99		
8	Thrissur	8	3872.92	4	4488.77	8	8	8	8	3872.92	50.50	25.75	52.63		
9	Palakkad	10	5416.50	7	5784.15	10	10	10	10	5416.50	80.70	48.3	65.30		
10	Malappuram	10	4185.70	1	4138.20	7	7	7	7	4869.43	39.43	19.86	40.29	3	2590.33
11	Kozhikode	10	1269.64	3	2150.16	8	7	7	8	1401.51	47.88	19.17	41.14	2	742.14
12	Wayanad														
13	Kannur														
14	Kasaragod	12	2958.57	3	3045.17	12	12	12	12	2958.57	28.93	27.43	28.23		
State Total		100	3820.37	53	4131.77	95	90	93	95	3924.01	52.53	28.13	41.96	5	1851.06

Table 11(v)

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

STATE: KERALA

YEAR: 2024-25

SEASON: SUMMER

CROP: 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			6	4141.03	2	1584.64	6	4141.03			8	3501.93
2	Kollam			3	4164.15	3	6010.85	3	4164.15			6	5087.50
3	Pathanamthitta					6	5077.08					6	5077.08
4	Alappuzha					8	3366.31					8	3366.31
5	Kottayam			1	3863.27	11	3393.20	1	3863.27			12	3432.37
6	Idukki												
7	Ernakulam			5	4962.96	5	4979.06	5	4962.96			10	4971.01
8	Thrissur			4	3257.08	4	4488.77	4	3257.08			8	3872.92
9	Palakkad			3	4558.65	7	5784.15	3	4558.65			10	5416.50
10	Malappuram	2	3150.20	8	4531.03	2	2804.40	6	4991.30	1	1470.60	9	4487.38
11	Kozhikode	2	742.14	7	892.27	3	2150.16	5	952.32			10	1269.64
12	Wayanad												
13	Kannur												
14	Kasaragod			9	2929.70	3	3045.17	9	2929.70			12	2958.57
State Total		4	1946.17	46	3512.66	54	4082.49	42	3661.85	1	1470.60	99	3844.10

Table 11(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS
STATE: KERALA YEAR: 2024-25 SEASON: SUMMER CROP: 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	2408.02			8	8.00	5	8.00	2408.02	43.63	21.88	24.00		
2	Kollam	6	820.07	2	499.57	6	4.00	4	6.00	820.07	35.67	12	40.50		
3	Pathanamthitta	6	2471.98	4	2227.71	6	6.00	6	6.00	2471.98	79.83	29	44.50		
4	Alappuzha	8	4248.10	7	4400.37	8	8.00	8	8.00	4248.10	74.13	29.25	53.00		
5	Kottayam	12	3575.90	11	3764.95	11	11.00	11	11.00	3764.95	97.99	44.25	62.73		
6	Idukki														
7	Ernakulam	10	3386.96	7	3340.53	7	7.00	8	8.00	3167.73	26.71	20.57	32.25	2	4263.90
8	Thrissur	8	5101.78	3	4181.32	5	5.00	5	5.00	5626.81	53.60	27.2	39.20	2	4805.68
9	Palakkad	10	5930.46	10	5930.46	10	10.00	10	10.00	5930.46	117.80	63.5	55.50		
10	Malappuram	10	4316.42	6	3766.43	10	10.00	10	10.00	4316.42	60.40	29.1	57.40		
11	Kozhikode	10	2327.05	3	2658.56	7	7.00	6	7.00	3017.19	42.02	39.66	30.33	2	0.04
12	Wayanad														
13	Kannur														
14	Kasaragod	12	4572.23	1	4317.98	12	12.00	11	12.00	4572.23	25.40	25.48	26.07		
State Total		100	3712.02	54	3930.58	90	88.00	84	91.00	3806.01	61.65	33.036	44.22	6	3023.21

Table 11(vi)

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

STATE: KERALA

YEAR: 2024-25

SEASON: SUMMER

CROP: 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	8	2408.02			8	2408.02			8	2408.02		
2	Kollam	4	980.32	2	499.57	4	980.32			6	820.07		
3	Pathanamthitta	2	2960.51	4	2227.71	2	2960.51			6	2471.98		
4	Alappuzha	1	3182.20	7	4400.37	1	3182.20			8	4248.10		
5	Kottayam			12	3575.90			1	1496.42	11	3764.95	1	1496.42
6	Idukki												
7	Ernakulam	3	3495.30	7	3340.53	1	1958.10			10	3386.96	2	4263.90
8	Thrissur	4	6300.36	4	3903.20	2	7795.04	1	3068.82	7	5392.20	3	4226.73
9	Palakkad			10	5930.46					10	5930.46		
10	Malappuram	4	5141.40	6	3766.43	4	5141.40			10	4316.42		
11	Kozhikode	6	2190.78	4	2531.46	4	3286.16	1	2150.16	9	2346.71	3	716.75
12	Wayanad												
13	Kannur												
14	Kasaragod	11	4595.34	1	4317.98	11	4595.34			12	4572.23		
State Total		43	3540.35	57	3841.52	37	3624.21	3	2238.47	97	3757.59	9	2761.63

Table 11 (vii)

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

STATE: KERALA

YEAR: 2024-25

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	13041.67			3	2	4	4	13041.67	271.47	88.94	113.66		
2	Kollam	4	10775.00	1	15933.33	3	1	3	3	12200.00	49.00	10	84.00	1	6500.00
3	Pathanamthitta														
4	Alappuzha	4	9833.33			2	2		2	8566.67				2	11100.00
5	Kottayam	4	21341.67	1	25200.00	3	3	2	3	21933.33	96.33	66	206.50	1	19566.67
6	Idukki														
7	Ernakulam	4	20983.33	1	17633.33	4	4	3	4	20983.33	120.25	62.75	63.67		
8	Thrissur	6	17827.78	1	14866.67	3	2	2	4	18108.33	17.33	16.5	10.50	2	17266.67
9	Palakkad	6	21044.44	1	21266.67	6	6	5	6	21044.44	145.00	96.33	132.00		
10	Malappuram	6	13016.67			4	4	3	4	15925.00	91.75	112	210.00	2	7200.00
11	Kozhikode	4	17191.67	1	20400.00	2	2	1	2	16733.33	90.35	68.5	174.00	2	17650.00
12	Wayanad														
13	Kannur	4	18791.67			1	1		1	11866.67	120.00	120		3	21100.00
14	Kasaragod	4	19500.00	1	22800.00	3	3	1	3	20588.89	244.67	152.7	180.00	1	16233.33
State Total		50	16743.33	7	19728.57	34	30	24	36	17364.81	119.27	80.4	123.99	14	15145.24

Table 11 (vii)

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

STATE: KERALA

YEAR: 2024-25

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			4	13041.67			4	13041.67			4	13041.67
2	Kollam	1	6500.00	3	9055.56	1	15933.33	2	10333.33			4	10775.00
3	Pathanamthitta												
4	Alappuzha	2	11100.00	4	9833.33			2				4	9833.33
5	Kottayam	1	19566.67	3	20055.56	1	25200.00	2	20300.00			4	21341.67
6	Idukki												
7	Ernakulam			3	22100.00	1	17633.33	3	22100.00			4	20983.33
8	Thrissur	2	17266.67	5	18420.00	1	14866.67	3	19188.89			6	17827.78
9	Palakkad			5	21000.00	1	21266.67	5	21000.00			6	21044.44
10	Malappuram			4	15925.00	2	7200.00	4	15925.00	2	7200.00	4	15925.00
11	Kozhikode	2	17650.00	3	16122.22	1	20400.00	1	13066.67			4	17191.67
12	Wayanad												
13	Kannur	3	21100.00	4	18791.67			1	11866.67			4	18791.67
14	Kasaragod	1	16233.33	3	18400.00	1	22800.00	2	19483.33			4	19500.00
State Total		12	16469.44	41	16699.19	9	16944.44	29	16203.45	2	7200.00	48	17140.97

Table 11 (viii)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS
STATE: KERALA YEAR: 2024-25 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. 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	11858.33			4	4	4	4	11858.33	349	100	586.50			
2	Kollam	4	15933.33			3	3	3	3	17422.22	78	43.33	129.67	1	11466.67	
3	Pathanamthitta															
4	Alappuzha	4	17833.33	1	13666.67	4	4		4	17833.33	165	44.75				
5	Kottayam	4	21866.67			2	1	2	2	26700.00	12	4.5	12.35	2	17033.33	
6	Idukki															
7	Eranakulam	4	17675.00			3	3	2	3	17955.56	187	81	111.00	1	16833.33	
8	Thrissur	6	15461.11			2	2	1	2	11716.67	72	36.5	142.00	4	17333.33	
9	Palakkad	6	22411.11			6	4	4	6	22411.11	250	208.25	309.75			
10	Malappuram	6	16016.67			2	2		2	22883.33	33	33		4	12583.33	
11	Kozhikode	4	19508.33	2	15950.00	4	4	4	4	19508.33	97	56	92.00			
12	Wayanad															
13	Kannur	4	21400.00			3	3	2	3	20266.67	384	383.87	612.80	1	24800.00	
14	Kasaragod	4	15650.00	3	14422.22	4	4		4	15650.00	113	113				
State Total		50	17804.67	6	14805.56	37	34	22	37	18470.27	178	110.47	270.74	13	15910.26	

Table 11 (viii)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS
STATE: KERALA YEAR: 2024-25 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			4	11858.33			4	11858.33			4	11858.33
2	Kollam	1	11466.67	4	15933.33			3	17422.22			4	15933.33
3	Pathanamthitta												
4	Alappuzha			3	19222.22	1	13666.67	3	13466.67			4	17833.33
5	Kottayam	2	17033.33	4	21866.67			2	26700.00			4	21866.67
6	Idukki												
7	Ernakulam	1	16833.33	4	17675.00			3	17955.56			4	17675.00
8	Thrissur	4	17333.33	6	15461.11			2	11716.67			6	15461.11
9	Palakkad			6	22411.11			6	22411.11			6	22411.11
10	Malappuram	4	12583.33	6	16016.67			2	22883.33			6	16016.67
11	Kozhikode			2	23066.67	2	15950.00	2	23066.67			4	19508.33
12	Wayanad												
13	Kannur	1	24800.00	4	21400.00			3	20266.67			4	21400.00
14	Kasaragod			1	19333.33	3	14422.22	1	19333.33			4	15650.00
State Total		13	15910.26	44	18213.64	6	14805.56	31	18622.58			50	17804.67

Table 11 (ix)

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

STATE: KERALA

YEAR: 2024-25

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					
		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	35062.50											4	35062.50
2	Kollam	4	32125.00			1			1.00	60375.00	25.00			3	22708.33
3	Pathanamthitta														
4	Alappuzha														
5	Kottayam	4	39843.75	1	33750.00	2	2.00	1	2.00	36125.00	218.50	126.5	259.00	2	43562.50
6	Idukki														
7	Ernakulam	4	41218.75	1	59125.00	2	2.00	2	2.00	60250.00	5.70	5.7	5.70	2	22187.50
8	Thrissur	4	55512.50			1		1	1.00	56250.00	16.00		25.00	3	55266.67
9	Palakkad	4	33718.75			2	2.00	1	2.00	43625.00	103.50	23	30.00	2	23812.50
10	Malappuram	4	38625.00											4	38625.00
11	Kozhikode	4	23531.25			1	1.00	1	1.00	34250.00	43.20	43.2	43.20	3	19958.33
12	Wayanad														
13	Kannur	4	37812.50			2	2.00	2	2.00	46125.00	96.50	96.5	96.50	2	29500.00
14	Kasaragod	4	34500.00	1	28500.00	2	1.00	1	2.00	31875.00	257.00	54	54.00	2	37125.00
State Total		40	37195.00	3	40458.33	13	10.00	9	13.00	45144.23	111.28	60.06	68.40	27	33367.59

Table 11(ix)

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

STATE: KERALA

YEAR: 2024-25

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
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	3	34916.67	3	34916.67	1	35500.00			1	35500.00	3	34916.67
2	Kollam	3	22708.33	4	32125.00			1	60375.00			4	32125.00
3	Pathanamthitta												
4	Alappuzha												
5	Kottayam	2	43562.50	3	41875.00	1	33750.00	1	38500.00			4	39843.75
6	Idukki												
7	Ernakulam	1	23125.00	2	42250.00	2	40187.50	1	61375.00	1	21250.00	3	47875.00
8	Thrissur	2	65525.00	3	62433.33	1	34750.00	1	56250.00	1.00	34750.00	3	62433.33
9	Palakkad	2	23812.50	4	33718.75			2	43625.00			4	33718.75
10	Malappuram	4	38625.00	4	38625.00							4	38625.00
11	Kozhikode	3	19958.33	4	23531.25			1	34250.00			4	23531.25
12	Wayanad												
13	Kannur	1	21625.00	3	37958.33	1	37375.00	2	46125.00	1	37375.00	3	37958.33
14	Kasaragod	2	37125.00	3	36500.00	1	28500.00	1	35250.00			4	34500.00
State Total		23	33567.39	33	37501.52	7	35750.00	10	46550.00	4	32218.75	36	37747.92

Table 11 (x)

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

STATE: KERALA

YEAR: 2024-25

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.	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	27250.00											4	27250.00	
2	Kollam	4	47462.50	1	38250.00	2	2	2	2.00	22875.00	41.00	41	41.00	2	72050.00	
3	Pathanamthitta															
4	Alappuzha															
5	Kottayam	4	41500.00	1	48000.00	2	2	2	2.00	53625.00	42.76	25.76	57.00	2	29375.00	
6	Idukki															
7	Ernakulam	4	33537.50			4	4	3	4.00	33537.50	66.00	47.75	47.67			
8	Thrissur	4	25968.75			3	3	3	3.00	26208.33	91.00	91	91.00	1	25250.00	
9	Palakkad	4	35375.00	1	39375.00	2	1	1	2.00	45062.50	162.00	142	285.00	2	25687.50	
10	Malappuram	4	25656.25											4	25656.25	
11	Kozhikode	4	20156.25											4	20156.25	
12	Wayanad															
13	Kannur	4	25843.75			1	1	2	2.00	25375.00	218.00	218	116.50	2	26312.50	
14	Kasaragod	4	29312.50											4	29312.50	
State Total		40	31206.25	3	41875.00	14	13	13	15.00	33776.67	89.04	73.655385	86.92	25	29664.00	

Table 11 (x)

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

STATE: KERALA

YEAR: 2024-25

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
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	4	27250.00	4	27250.00							4	27250.00
2	Kollam	2	72050.00	3	50533.33	1	38250.00	1	7500.00			4	47462.50
3	Pathanamthitta												
4	Alappuzha												
5	Kottayam	2	29375.00	3	39333.33	1	48000.00	1	59250.00			4	41500.00
6	Idukki												
7	Ernakulam			4	33537.50			4	33537.50			4	33537.50
8	Thrissur			3	26208.33	1	25250.00	3	26208.33	1	25250.00	3	26208.33
9	Palakkad	1	29250.00	2	40000.00	2	30750.00	1	50750.00	1	22125.00	3	39791.67
10	Malappuram	3	29375.00	3	29375.00	1	14500.00			1	14500.00	3	29375.00
11	Kozhikode	2	16375.00	2	16375.00	2	23937.50			2	23937.50	2	16375.00
12	Wayanad												
13	Kannur	2	26312.50	4	25843.75			2	25375.00			4	25843.75
14	Kasaragod	3	29750.00	3	29750.00	1	28000.00			1	28000.00	3	29750.00
State Total		19	31781.58	31	31770.16	9	29263.89	12	31752.08	6	22958.33	34	32661.76

Table 11 (xi)

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

STATE: KERALA

YEAR: 2024-25

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	10135.55											4	10135.55
2	Kollam	4	12348.00											4	12348.00
3	Pathanamthitta														
4	Alappuzha	4	9740.70											4	9740.70
5	Kottayam	4	7062.00											4	7062.00
6	Idukki														
7	Eranakulam	4	3866.50											4	3866.50
8	Thrissur	6	6825.47											6	6825.47
9	Palakkad	6	9132.40			1			1.00	11613.00	30.00			5	8636.28
10	Malappuram	6	13138.93			2	1.00	1	2.00	13316.80	131.00	55	55.00	4	13050.00
11	Kozhikode	4	13405.25			2	2.00	2	2.00	8901.00	37.25	18.63	74.50	2	17909.50
12	Wayanad														
13	Kannur	4	5754.00											4	5754.00
14	Kasaragod	4	6925.80											4	6925.80
State Total		50	9030.64			5	3.00	3	5.00	11209.72	73.30	30.75	68.00	45	8788.52

Table 11 (xi)

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

STATE: KERALA

YEAR: 2024-25

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
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	2	13007.10	2	13007.10	2	7264.00			2	7264.00	2	13007.10
2	Kollam	2	20454.00	2	20454.00	2	4242.00			2	4242.00	2	20454.00
3	Pathanamthitta												
4	Alappuzha	3	9322.00	3	9322.00	1	10996.80			1	10996.80	3	9322.00
5	Kottayam					4	7062.00			4	7062.00		
6	Idukki												
7	Eranakulam					4	3866.50			4	3866.50		
8	Thrissur	6	6825.47	6	6825.47							6	6825.47
9	Palakkad	4	9302.25	5	9764.40	1	5972.40	1	11613.00	1	5972.40	5	9764.40
10	Malappuram	3	13394.13	5	13363.20	1	12017.60	2	13316.80	1	12017.60	5	13363.20
11	Kozhikode			2	8901.00	2	17909.50	2	8901.00	2	17909.50	2	8901.00
12	Wayanad												
13	Kannur	3	5824.00	3	5824.00	1	5544.00			1	5544.00	3	5824.00
14	Kasaragod	4	6925.80	4	6925.80							4	6925.80
State Total		27	9570.65	32	9826.76	18	7615.32	5	11209.72	18	7615.32	32	9826.76

Table 11 (xii)

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

STATE: KERALA

YEAR: 2024-25

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. of Expts.					Rate of Application				
		No.	Yield Rate (No/Hec)	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	5743.10											4	5743.10
2	Kollam	4	6027.00											4	6027.00
3	Pathanamthitta														
4	Alappuzha	4	14030.40	1	22325.40	1	1	1	1	22325.40				3	11265.40
5	Kottayam	4	9137.80											4	9137.80
6	Idukki														
7	Eranakulam	4	6552.15											4	6552.15
8	Thrissur	6	7738.73											6	7738.73
9	Palakkad	6	8769.00											6	8769.00
10	Malappuram	6	10169.33											6	10169.33
11	Kozhikode	4	10524.25											4	10524.25
12	Wayanad														
13	Kannur	4	8610.00			2	1	2	2	10185.00	130.25	115.5	217.88	2	7035.00
14	Kasaragod	4	9608.40											4	9608.40
State Total		50	8819.90	1	22325.40	3	2	3	3	14231.80	86.83	57.75	145.25	47	8474.46

Table 11 (xii)

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

STATE: KERALA

YEAR: 2024-25

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
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	4	5743.10	4	5743.10							4	5743.10
2	Kollam	2	9051.00	2	9051.00	2	3003.00			2	3003.00	2	9051.00
3	Pathanamthitta												
4	Alappuzha	2	11636.70	2	11636.70	2	16424.10			1		3	15199.60
5	Kottayam	2	5842.20	2	5842.20	2	12433.40			2	12433.40	2	5842.20
6	Idukki												
7	Ernakulam					4	6552.15			4	6552.15		
8	Thrissur	6	7738.73	6	7738.73							6	7738.73
9	Palakkad	4	10108.05	4	10108.05	2	6090.90			2	6090.90	4	10108.05
10	Malappuram	4	11112.80	4	11112.80	2	8282.40			2	8282.40	4	11112.80
11	Kozhikode	4	10524.25	4	10524.25							4	10524.25
12	Wayanad												
13	Kannur	2	7035.00	4	8610.00			2	10185.00			4	8610.00
14	Kasargod	4	9608.40	4	9608.40							4	9608.40
State Total		34	8880.84	36	8953.29	14	8476.87	2	10185.00	13	6602.15	37	9314.70

Table 11 (xiii)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS
STATE: KERALA YEAR: 2024-25 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. 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	345.37											4	345.37
2	Kollam	4	332.17											4	332.17
3	Pathanamthitta														
4	Alappuzha														
5	Kottayam	4	270.76											4	270.76
6	Idukki														
7	Ernakulam	4	173.23											4	173.23
8	Thrissur	4	325.75											4	325.75
9	Palakkad	4	564.24			1			1.00	420.16	46.00			3	612.27
10	Malappuram	4	269.29											4	269.29
11	Kozhikode	4	325.93											4	325.93
12	Wayanad														
13	Kannur	4	698.06											4	698.06
14	Kasaragod	4	528.86											4	528.86
State Total		40	383.37			1			1.00	420.16	46.00			39	382.42

Table 11 (xiii)

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

STATE: KERALA

YEAR: 2024-25

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					4	345.37			4	345.37		
2	Kollam	2	309.44	2	309.44	2	354.90			2	354.90	2	309.44
3	Pathanamthitta												
4	Alappuzha												
5	Kottayam	1	299.17	1	299.17	3	261.29			3	261.29	1	299.17
6	Idukki												
7	Ernakulam					4	173.23			4	173.23		
8	Thrissur	2	334.37	2	334.37	2	317.14			2	317.14	2	334.37
9	Palakkad	2	680.47	3	593.70	1	475.89	1	420.16	1	475.89	3	593.70
10	Malappuram	2	329.60	2	329.60	2	208.98			2	208.98	2	329.60
11	Kozhikode					4	325.93			4	325.93		
12	Wayanad												
13	Kannur					4	698.06			4	698.06		
14	Kasaragod					4	528.86			4	528.86		
State Total		9	400.77	10	402.71	30	376.92	1	420.16	30	376.92	10	402.71

Table 11 (xiv)

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

STATE: KERALA

YEAR: 2024-25

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.					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	383.31											4	383.31	
2	Kollam	4	825.65											4	825.65	
3	Pathanamthitta															
4	Alappuzha															
5	Kottayam	4	651.69											4	651.69	
6	Idukki															
7	Ernakulam	4	221.45											4	221.45	
8	Thrissur	4	372.86											4	372.86	
9	Palakkad	4	581.11					1	1.00	1613.17			356.00	3	237.09	
10	Malappuram	4	610.26											4	610.26	
11	Kozhikode	4	242.71											4	242.71	
12	Wayanad															
13	Kannur	4	696.78											4	696.78	
14	Kasaragod	4	404.58											4	404.58	
State Total		40	499.04					1	1.00	1613.17			356.00	39	470.47	

Table 11 (xiv)

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

STATE: KERALA

YEAR: 2024-25

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
1	2	17	18	19	20	21	22	23	24	25	26	27	28
1	Thiruvananthapuram	3	497.88	3	497.88	1	39.60			1	39.60	3	497.88
2	Kollam	2	1053.70	2	1053.70	2	597.61			2	597.61	2	1053.70
3	Pathanamthitta												
4	Alappuzha												
5	Kottayam	2	611.17	2	611.17	2	692.20			2	692.20	2	611.17
6	Idukki												
7	Eranakulam	3	230.00	3	230.00	1	195.78			1	195.78	3	230.00
8	Thrissur	3	467.58	3	467.58	1	88.72			1	88.72	3	467.58
9	Palakkad	2	212.28	3	679.24	1	286.71	1	1613.17	1	286.71	3	679.24
10	Malappuram	2	921.71	2	921.71	2	298.80			2	298.80	2	921.71
11	Kozhikode	3	228.04	3	228.04	1	286.71			1	286.71	3	228.04
12	Wayanad												
13	Kannur	2	814.65	2	814.65	2	578.91			2	578.91	2	814.65
14	Kasaragod	1	410.63	1	410.63	3	402.56			3	402.56	1	410.63
State Total		23	517.75	24	563.39	16	402.51	1	1613.17	16	402.51	24	563.39

Table 11 (xv)

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

STATE: KERALA

YEAR: 2024-25

SEASON: PERENNIAL

CROP: ARECANUT

STATE SAMPLE

Sl. No.	District	Expts. Checked at harvest		Expts. Treated with Fertilizers only		Expts. With Fertilizers								Expts. Not treated with Fertilizers	
						No. of Experiments					Rate of Application				
		No.	Yield rate	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	921.81											4	921.81
2	Kollam	4	865.04											4	865.04
3	Pathanamthitta														
4	Alappuzha														
5	Kottayam	4	1034.66			1	1.00	1	1.00	1621.11	82.00	82	363.00	3	839.17
6	Idukki														
7	Eranakulam	4	578.97											4	578.97
8	Thrissur	4	428.69											4	428.69
9	Palakkad	4	802.99			4	1.00	1	4.00	802.99	164.00	90	90.00		
10	Malappuram	4	834.26			1			1.00	992.72	115.00			3	781.44
11	Kozhikode	4	1501.83											4	1501.83
12	Wayanad														
13	Kannur	4	949.52											4	949.52
14	Kasaragod	4	2287.87											4	2287.87
State Total		40	1020.56			6	2.00	2	6.00	970.96	142.17	86	226.50	34	1029.31

Table 11 (xv)

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

STATE: KERALA

YEAR: 2024-25

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 fertilizer & manure		Expts. not treated with fertilizer & manure		Expts. treated with fertilizer 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					4	921.81			4	921.81		
2	Kollam					4	865.04			4	865.04		
3	Pathanamthitta												
4	Alappuzha												
5	Kottayam	1	1340.15	2	1480.63	2	588.68	1	1621.11	2	588.68	2	1480.63
6	Idukki												
7	Eranakulam					4	578.97			4	578.97		
8	Thrissur	1	284.30	1	284.30	3	476.82			3	476.82	1	284.30
9	Palakkad			4	802.99			4	802.99			4	802.99
10	Malappuram	3	781.44	4	834.26			1	992.72			4	834.26
11	Kozhikode					4	1501.83			4	1501.83		
12	Wayanad												
13	Kannur	3	891.00	3	891.00	1	1125.05			1	1125.05	3	891.00
14	Kasaragod	4	2287.87	4	2287.87							4	2287.87
State Total		12	1316.11	18	1201.06	22	872.88	6	970.96	22	872.88	18	1201.06

Table 11 (xvi)

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

STATE: KERALA

YEAR: 2024-25

SEASON: PERENNIAL

CROP: ARECANUT

CENTRAL SAMPLE

Sl. No.	District	Expts. Checked at harvest		Expts. treated with fertilizer 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	737.76											4	737.76	
2	Kollam	4	865.04											4	865.04	
3	Pathanamthitta															
4	Alappuzha															
5	Kottayam	4	794.39											4	794.39	
6	Idukki															
7	Eranakulam	4	388.27											4	388.27	
8	Thrissur	4	596.59											4	596.59	
9	Palakkad	4	640.55			1	1.00		1.00	1082.94	129.00	129		3	493.08	
10	Malappuram	4	1457.04											4	1457.04	
11	Kozhikode	4	1062.85											4	1062.85	
12	Wayanad															
13	Kannur	4	1212.06											4	1212.06	
14	Kasaragod	4	1782.77											4	1782.77	
State Total		40	953.73			1	1.00		1.00	1082.94	129.00	129		39	950.42	

Table 11 (xvi)

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

STATE: KERALA

YEAR: 2024-25

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 fertilizer & manure		Expts. not treated with fertilizer & manure		Expts. treated with fertilizer 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	561.01	2	561.01	2	914.51			2	914.51	2	561.01
2	Kollam					4	865.04			4	865.04		
3	Pathanamthitta												
4	Alappuzha												
5	Kottayam					4	794.39			4	794.39		
6	Idukki												
7	Eranakulam					4	388.27			4	388.27		
8	Thrissur	1	317.88	1	317.88	3	689.49			3	689.49	1	317.88
9	Palakkad	1	781.10	2	932.02	2	349.07	1	1082.94	2	349.07	2	932.02
10	Malappuram	3	1371.01	3	1371.01	1	1715.12			1	1715.12	3	1371.01
11	Kozhikode	1	1324.86	1	1324.86	3	975.51			3	975.51	1	1324.86
12	Wayanad												
13	Kannur	4	1212.06	4	1212.06							4	1212.06
14	Kasaragod	4	1782.77	4	1782.77							4	1782.77
State Total		16	1227.39	17	1218.89	23	757.74	1	1082.94	23	757.74	17	1218.89

4. Supply and use of Crop Cutting Equipment

The information on supply and use of crop cutting equipment such as Tapes, Pegs, Balance and Weights collected during the Sample Check survey 2024-25 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 equipment are noticed. Use of non-standard equipment should be avoided.

Table 12 (i)

State wise Position of Supply and Use of Equipments

State: Kerala

Year: 2024-25

Crop	Agency	Item of Equipment	No of experiments supervised (Harvest and Post harvest) for which equipment was												
			Supplied						Not Supplied					Information about supply not available	Total of columns 8,13 & 14
			And Used	But used locally procured one		But not used though required	But not required to be used	Total	Used locally procured one		And also not used though required	As not required	Total		
				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					100							100
		Balance	100					100							100
		Weight													
		Pegs	100					100							100
	C	Tape	90	3	1			94	6				6		100
		Balance	85	6				91	9				9		100
		Weight													
		Pegs	28	12	5			45	17	38			55		100

Table 12 (i)

State wise Position of Supply and Use of Equipments

State: Kerala

Year: 2024-25

Crop	Agency	Item of Equipment	No of experiments supervised (Harvest and Post harvest) for which equipment was												
			Supplied						Not Supplied					Information about supply not available	Total of columns 8,13 & 14
			And Used	But used locally procured one		But not used though required	But not required to be used	Total	Used locally procured one		And also not used though required	As not required	Total		
				Standard	Non-Standard				Standard	Non-Standard					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Paddy (Winter)	S	Tape	100					100							100
		Balance	100					100							100
		Weight													
		Pegs	100					100							100
	C	Tape	86	6				92	6				6		98
		Balance	79	9				88	10				10		98
		Weight													
		Pegs	35	16	4			55	14	29			43		98
Paddy (Summer)	S	Tape	95					95	5				5		100
		Balance	100					100							100
		Weight													
		Pegs	95					95	5				5		100
	C	Tape	86	9	1			96	4				4		100
		Balance	86	12				98	2				2		100
		Weight													
		Pegs	23	15	7			45	14	41			55		100

Table 12 (ii)

State wise Position of Supply and Use of Equipments

State: Kerala

Year: 2024-25

Crop	Agency	Item of Equipment	No of experiments supervised (Harvest and Postharvest) for which equipment was												
			Supplied						Not Supplied					Information about supply not available	Total of columns 8,13 & 14
			And used	But used locally procured one		But not used though required	But not required to be used	Total	Used locally procured one		And also not used though required	As not required	Total		
				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					40							40
		Balance	40					40							40
		Weight													
		Pegs	40					40							40
	C	Tape	33	1	1			35	5				5		40
		Balance	31	3				34	6				6		40
		Weight													
		Pegs	12	6	2			20	6	9		5	20		40
Banana	S	Tape													
		Balance	50					50							50
		Weight													
		Pegs													
	C	Tape													
		Balance	42	5				47	3				3		50
		Weight													
		Pegs													

Table 12 (iii)
State wise Position of Supply and Use of Equipments

State: Kerala

Year: 2024-25

Crop	Agency	Item of Equipment	No of experiments supervised (Harvest and Postharvest) for which equipment was												
			Supplied						Not Supplied					Information about supply not available	Total of columns 8,13 & 14
			And used	But used locally procured one		But not used though required	But not required to be used	Total	Used locally procured one		And also not used though required	As not required	Total		
				Standard	Non-Standard				Standard	Non-Standard					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Coconut	S	Tape													
		Balance													
		Weight													
		Pegs													
	C	Tape													
		Balance													
		Weight													
		Pegs													
Pepper	S	Tape													
		Balance	40					40							40
		Weight													
		Pegs													
	C	Tape													
		Balance	34	5				39	1				1		40
		Weight													
		Pegs													
Arecanut	S	Tape													
		Balance	40					40							40
		Weight													
		Pegs													
	C	Tape													
		Balance	30	6				36	4				4		40
		Weight													
		Pegs													

5. Comparison of ICS and GCES yield Estimates

The district yield rates of rice under ICS and GCES during the year 2024-25 for Central and State samples are given in Table 13(i). Trend of yield rate for rice under ICS and GCES during Autumn, Winter and Summer from 2020-21 to 2024-25 are given in Chart 8, 9, 10 respectively {Table 13(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. 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 2024-25 is given in Chart-20.

Table 13 (i)
Comparison of Yield Rates (Kg/Ha) of Rice Under GCES and ICS

State: Kerala

Year: 2024-25

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	2618	2746.08	2245.12	2406	2418.11	2419.50	2648	2301	1582
2	Kollam	2081	1539.83	1907.59	1989	1338.55	2415.12	2788	3342	539
3	Pathanamthitta	427	1775.13	1282.07	2417	1689.49	1716.77	2687	3336	1624
4	Alappuzha	3380	1161.56	2002.96	3273	2338.08	1989.12	2460	2212	2791
5	Kottayam	2646	2108.61	2269.38	2789	2515.09	2907.92	2773	2255	2349
6	Idukki	1600	1733.90	1666.84	2711	3878.52	2197.21	1974		
7	Ernakulam	1824	1818.93	1856.76	2440	1947.42	2273.24	2340	3266	2225
8	Thrissur	1797	861.38	1684.90	3052	2837.12	3871.29	3519	2545	3352
9	Palakkad	2810	2845.59	2463.70	3310	3361.51	3190.78	4028	3559	3896
10	Malappuram	2006	1621.48	1683.96	3163	2512.96	3015.99	3389	2750	2836
11	Kozhikode	1050	1210.70	1053.34	1037	864.60	957.22	2182	834	1529
12	Wayanad				3212			3113		
13	Kannur	2086	2237.12	1206.70	2322	1695.87	3210.55	1301		
14	Kasargod	2413	2019.31	2651.36	2135	2019.99	2496.46	2002	1944	3004
State Total		2790	1844.05	1854.57	3046	2253.72	2535.32	3100	2510	2439

Table 13 (ii)

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

State: Kerala

Year: 2024-25

Sl. No.	District	Tapioca(Kg/Ha)			Banana(Kg/Ha)		
		GCES	ICS		GCES	ICS	
			State Sample	Central Sample		State Sample	Central Sample
1	Thiruvananthapuram	34899	35063	27250	8205	13042	11858
2	Kollam	40296	32125	47463	7529	10775	15933
3	Pathanamthitta	44895			8047		
4	Alappuzha	34982			7859	9833	17833
5	Kottayam	49108	39844	41500	9472	21342	21867
6	Idukki	46101			11397		
7	Eranakulam	43073	41219	33538	9695	20983	17675
8	Thrissur	41058	55513	25969	10017	17828	15461
9	Palakkad	43248	33719	35375	11968	21044	22411
10	Malappuram	39656	38625	25656	10339	13017	16017
11	Kozhikode	34476	23531	20156	11608	17192	19508
12	Wayanad	43328			10018		
13	Kannur	38496	37813	25844	9105	18792	21400
14	Kasaragod	30454	34500	29313	9928	19500	15650
State Total		41066	37195	31206	10058	16743	17805

Table 13 (iii)
Comparison of Yield Rates of Important Crops Under GCES and ICS

State: Kerala

Year: 2024-25

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	7654	10136	5743	323	345	383	395	922	738
2	Kollam	5692	12348	6027	325	332	826	581	865	865
3	Pathanamthitta	3476			286			458		
4	Alappuzha	5248	9741	14030	230			266		
5	Kottayam	4688	7062	9138	310	271	652	761	1035	794
6	Idukki	3447			484			781		
7	Eranakulam	4430	3867	6552	216	173	221	615	579	388
8	Thrissur	5431	6825	7739	261	326	373	495	429	597
9	Palakkad	7059	9132	8769	373	564	581	503	803	641
10	Malappuram	8070	13139	10169	243	269	610	815	834	1457
11	Kozhikode	9232	13405	10524	239	326	243	831	1502	1063
12	Wayanad	6179			449			357		
13	Kannur	6191	5754	8610	510	698	697	708	950	1212
14	Kasaragod	7625	6926	9608	427	529	405	1712	2288	1783
State Total		6828	9031	8820	422	383	499	893	1021	954

CHART-8
TREND OF YIELD RATES OF RICE UNDER ICS & GCES 2020-21 TO 2024-25

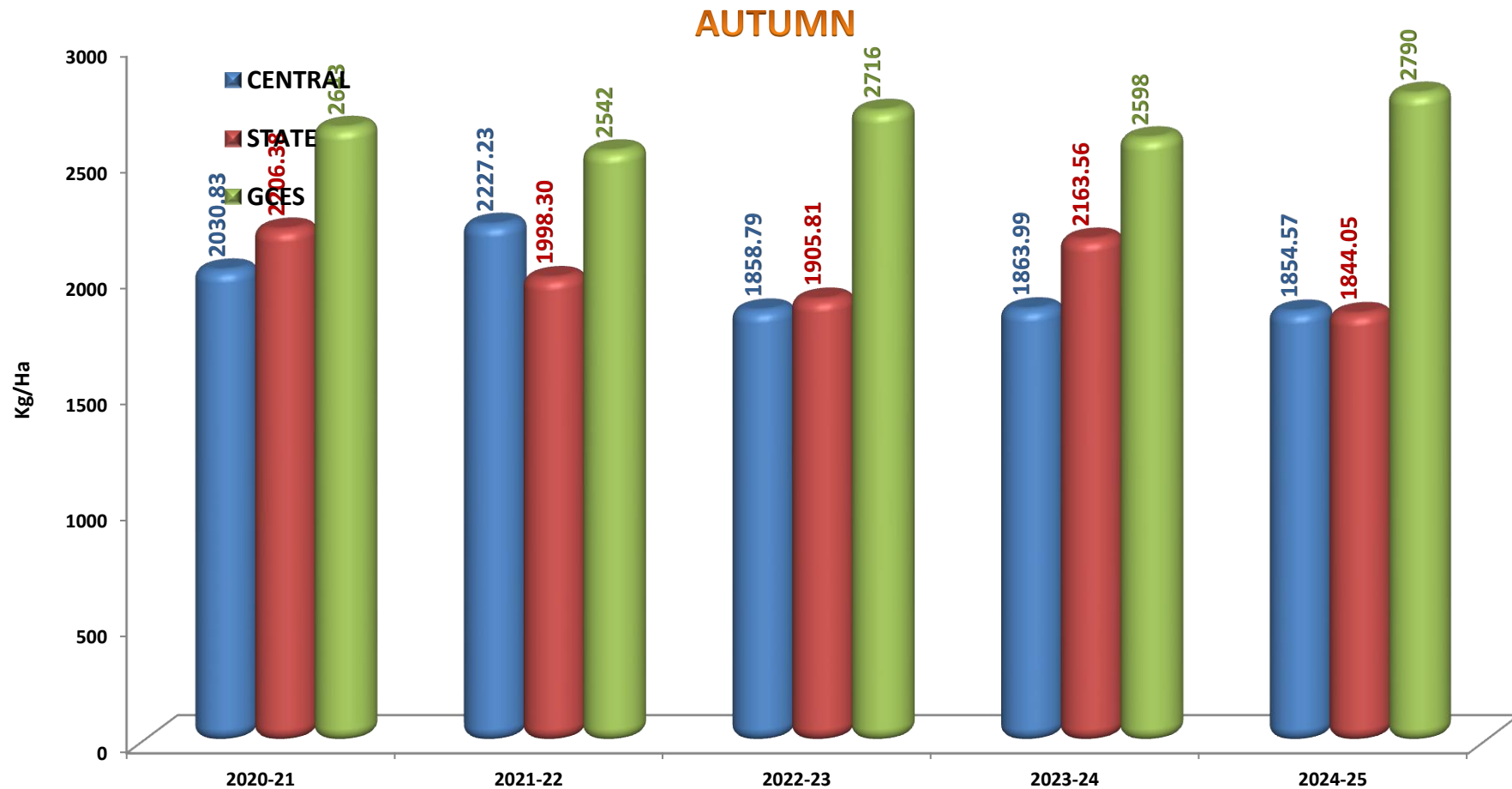


CHART-9
TREND OF YIELD RATES OF RICE UNDER ICS & GCES 2020-21 TO 2024-25

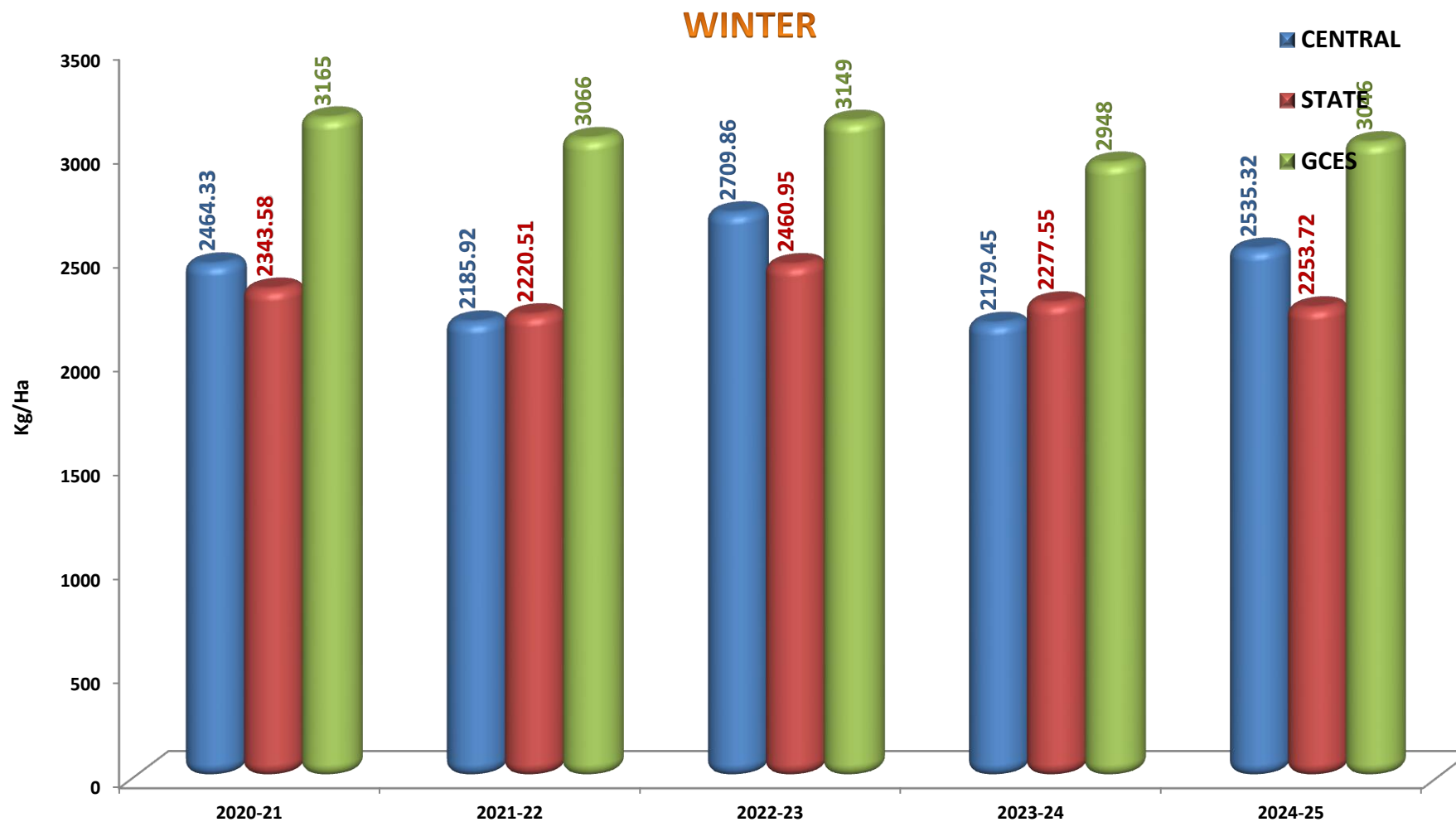


CHART-10
TREND OF YIELD RATES OF RICE UNDER ICS & GCES 2020-21 TO 2024-25

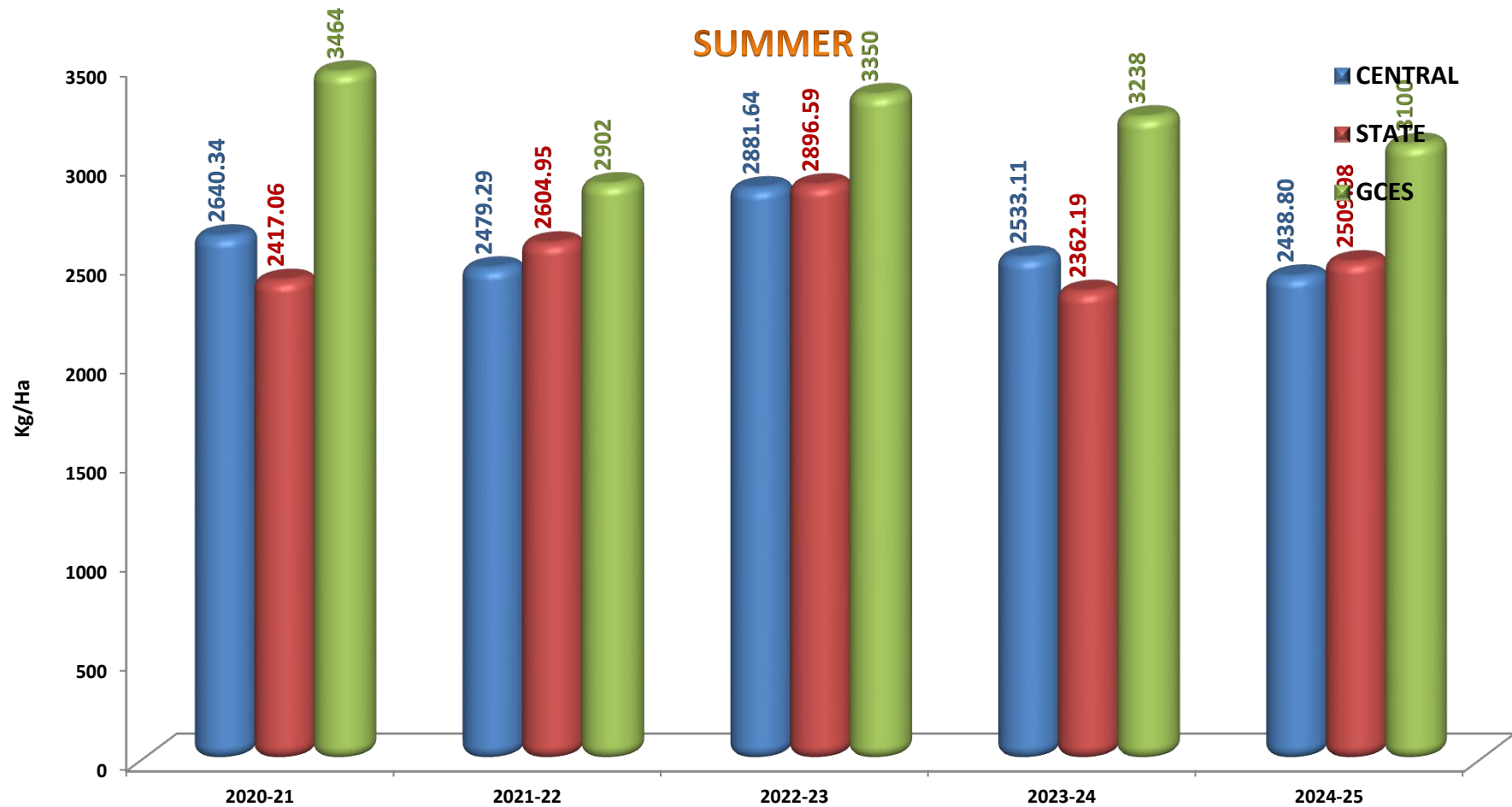


CHART-11
DISTRICTWISE YIELD RATES OF RICE— ICS & GCES 2024-25

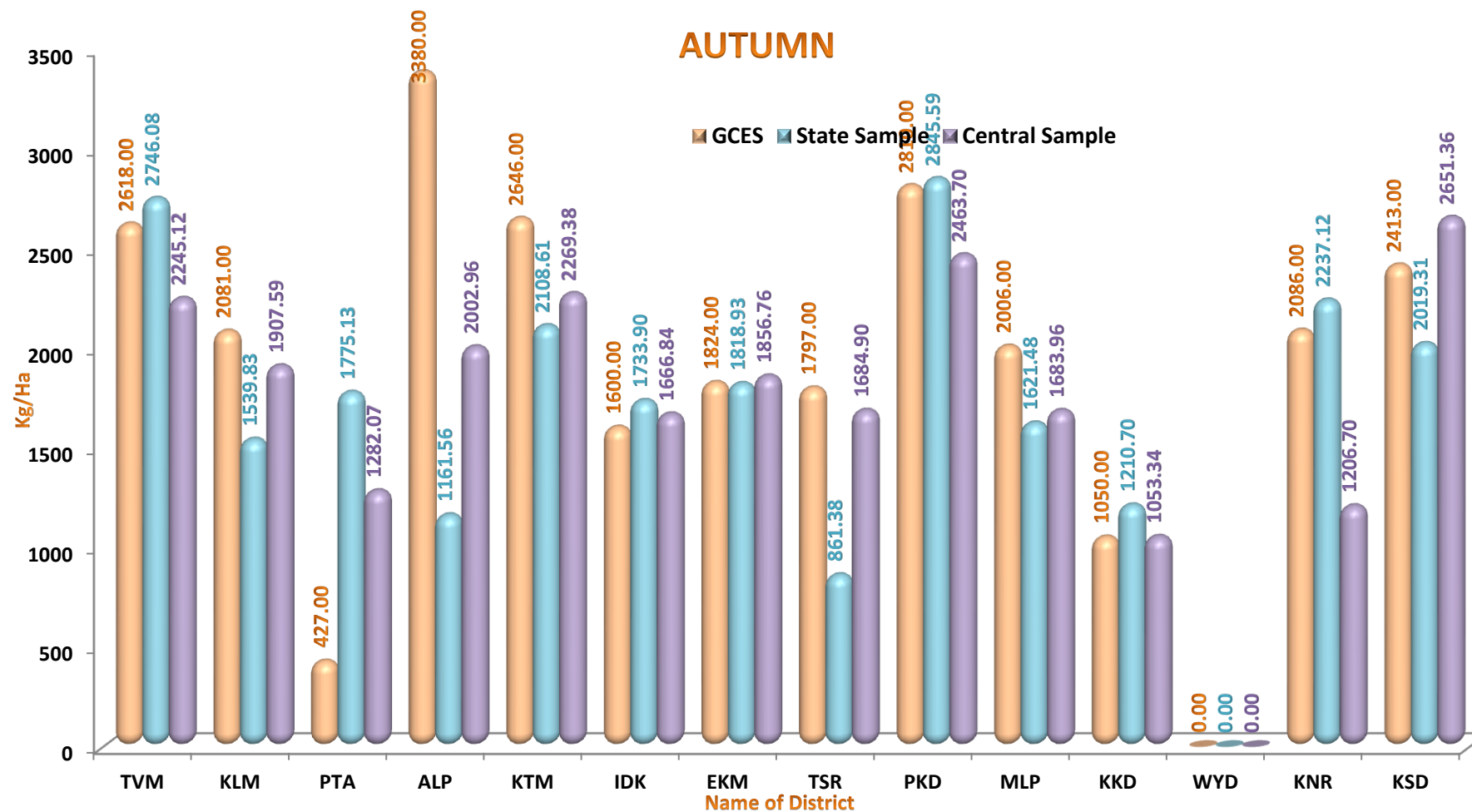


CHART-12
DISTRICTWISE YIELD RATES OF RICE- ICS & GCES 2024-25

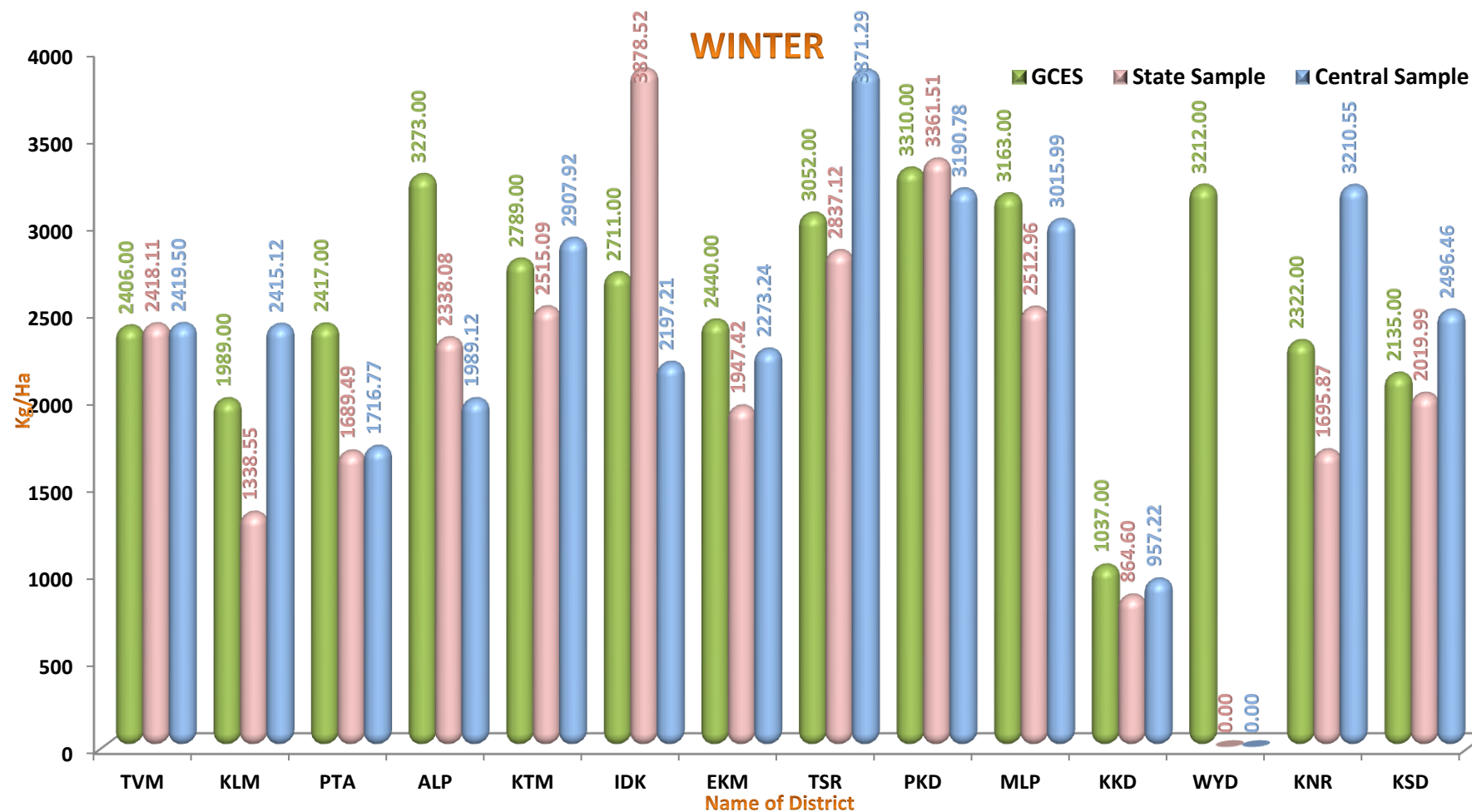


CHART-13
DISTRICTWISE YIELD RATES OF RICE— ICS & GCES 2024-25

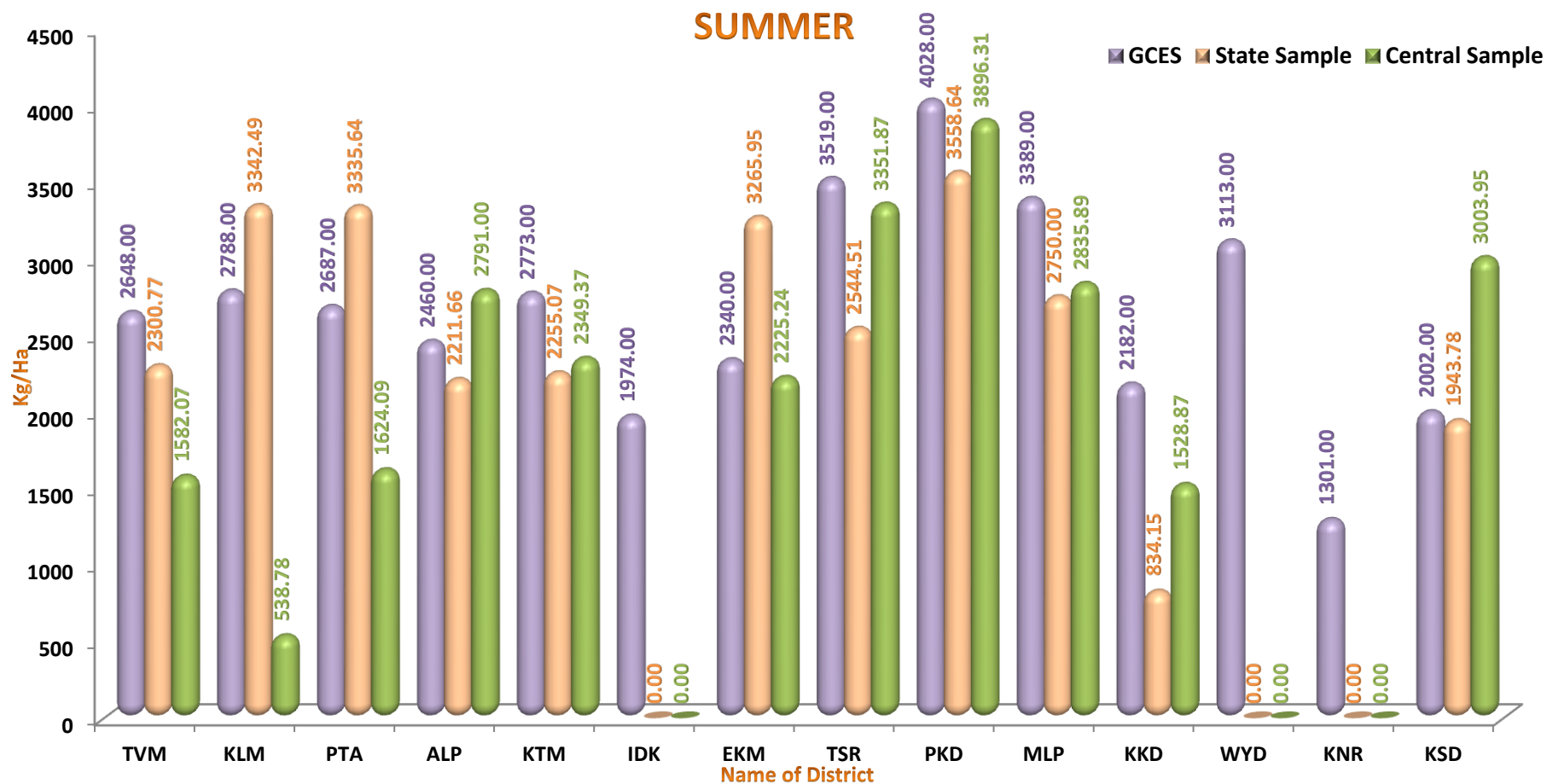


CHART-14
SEASONWISE YIELD RATE OF RICE UNDER GCES & ICS 2024-25

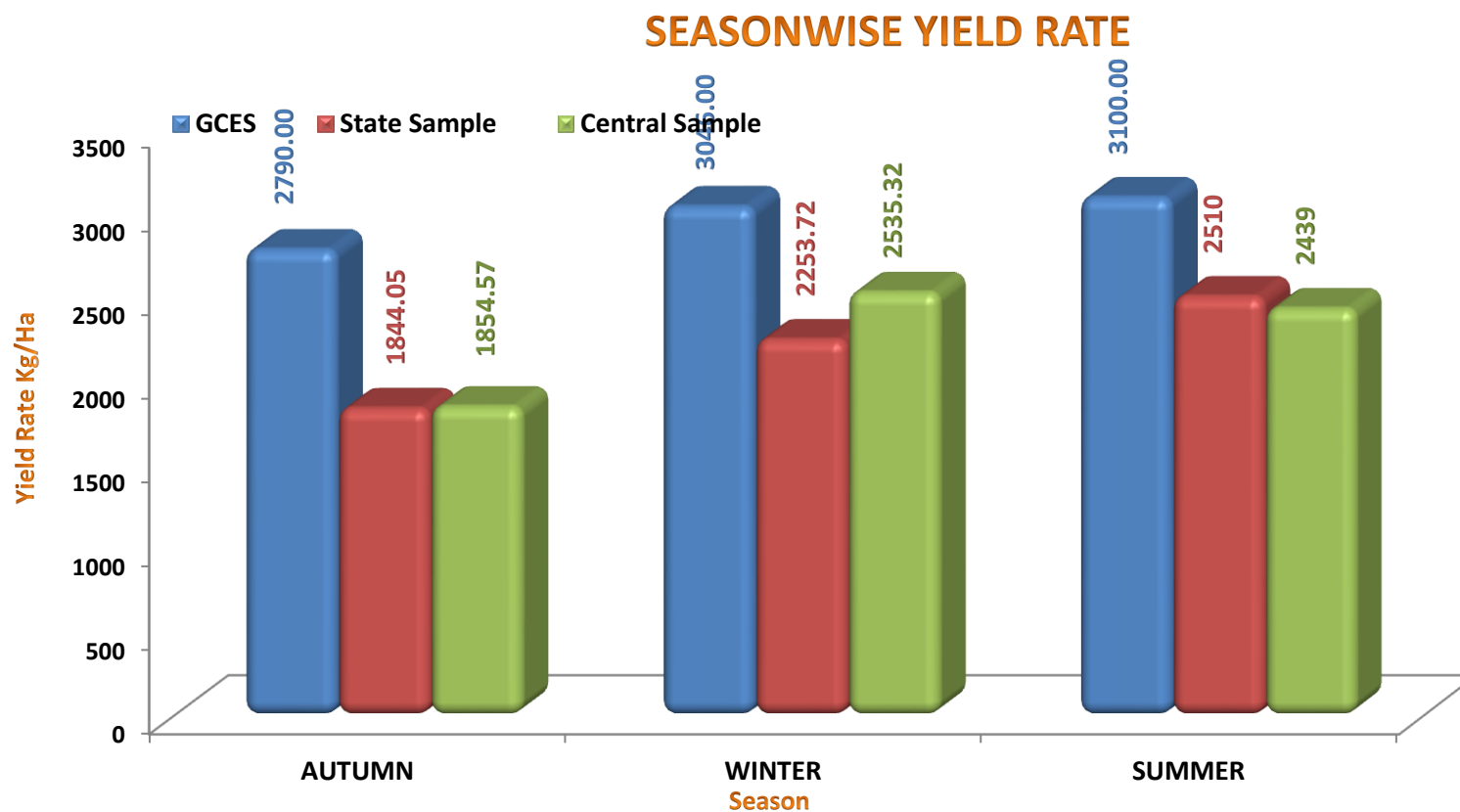


CHART-15
DISTRICTWISE YIELD RATE OF TAPIOCA UNDER GCES & ICS 2024-25

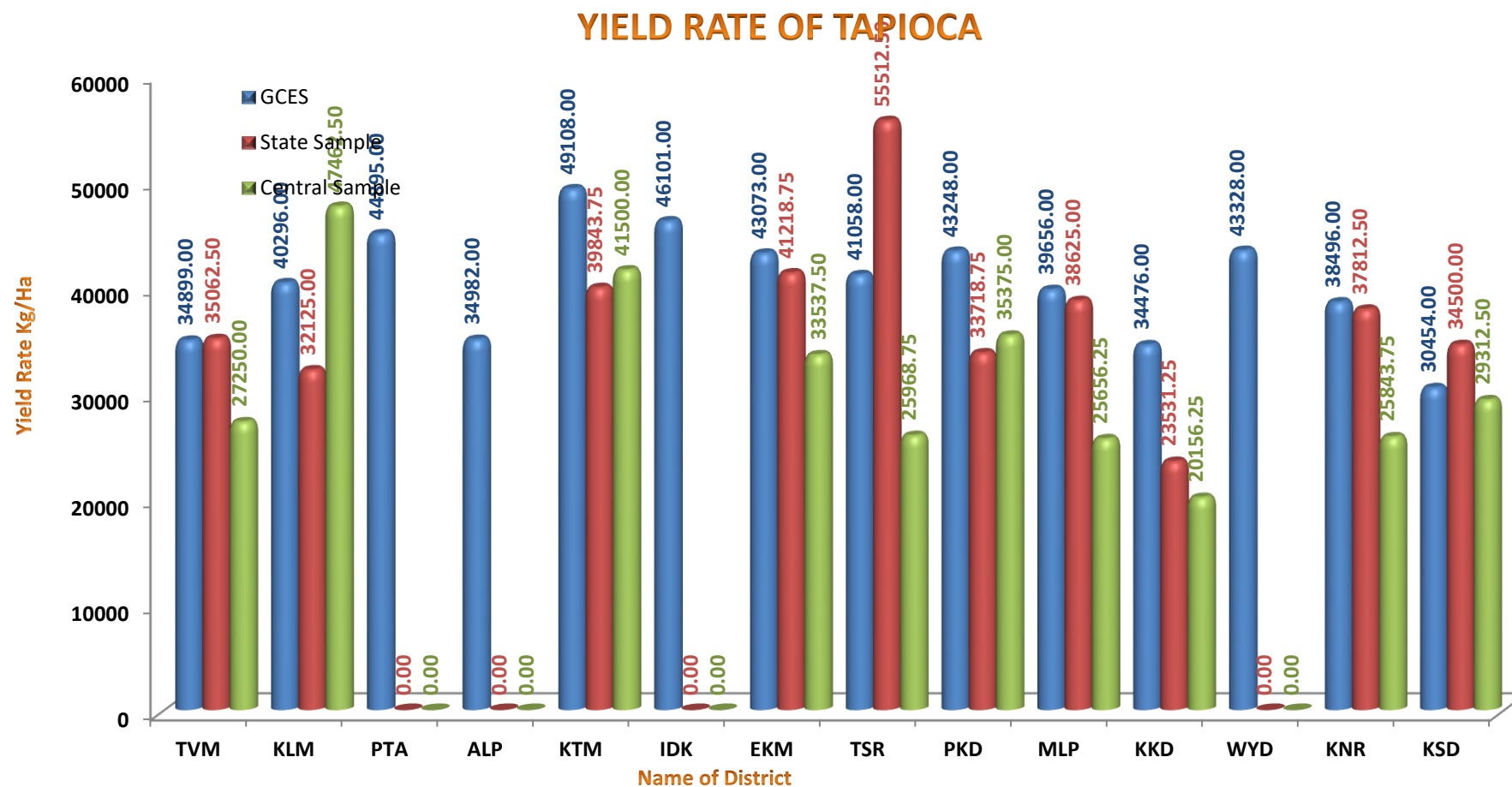


CHART-16
DISTRICTWISE YIELD RATE OF BANANA UNDER GCES & ICS 2024-25

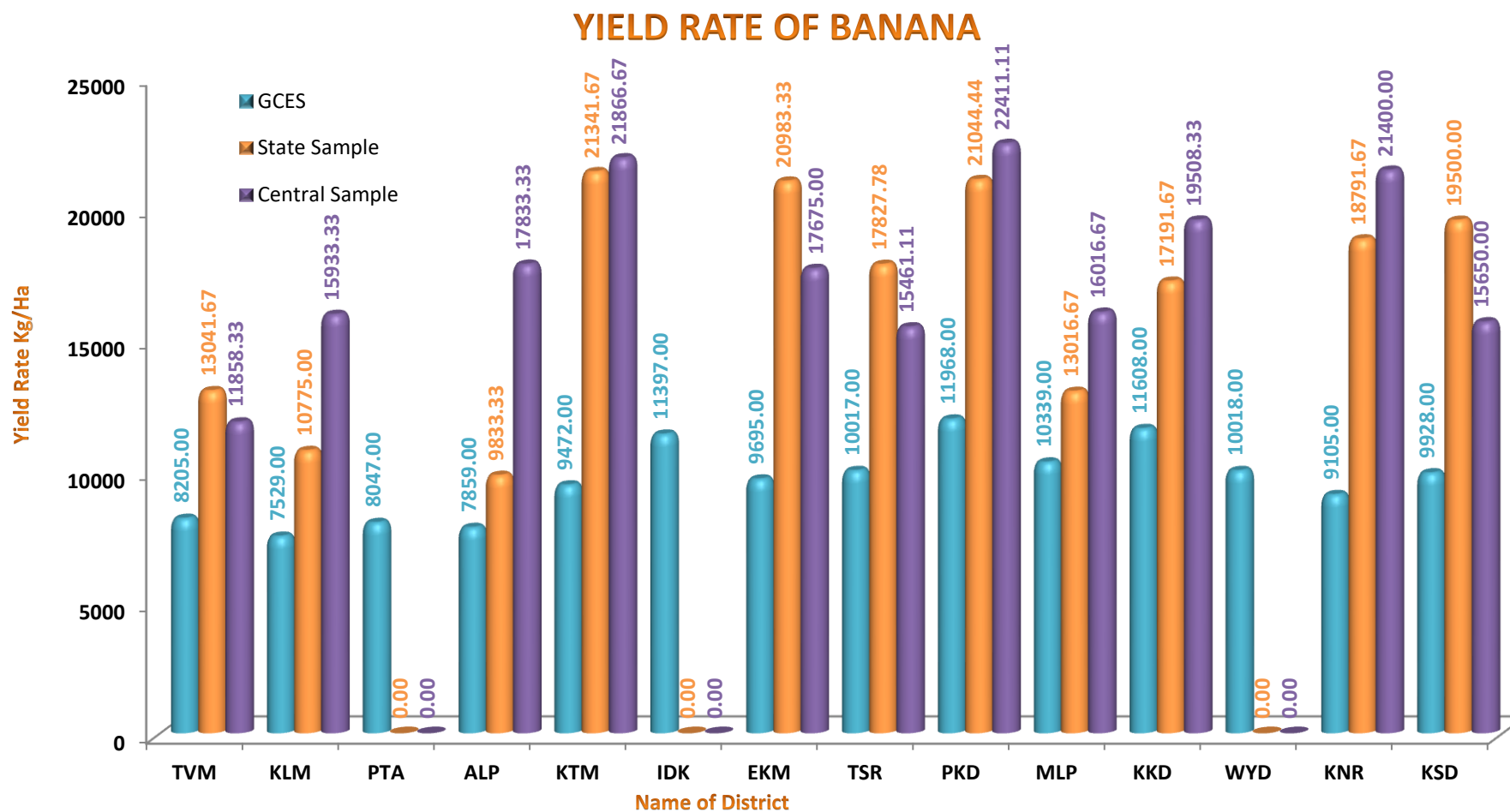


CHART-17
DISTRICTWISE YIELD RATE OF COCONUT UNDER GCES & ICS 2024-25

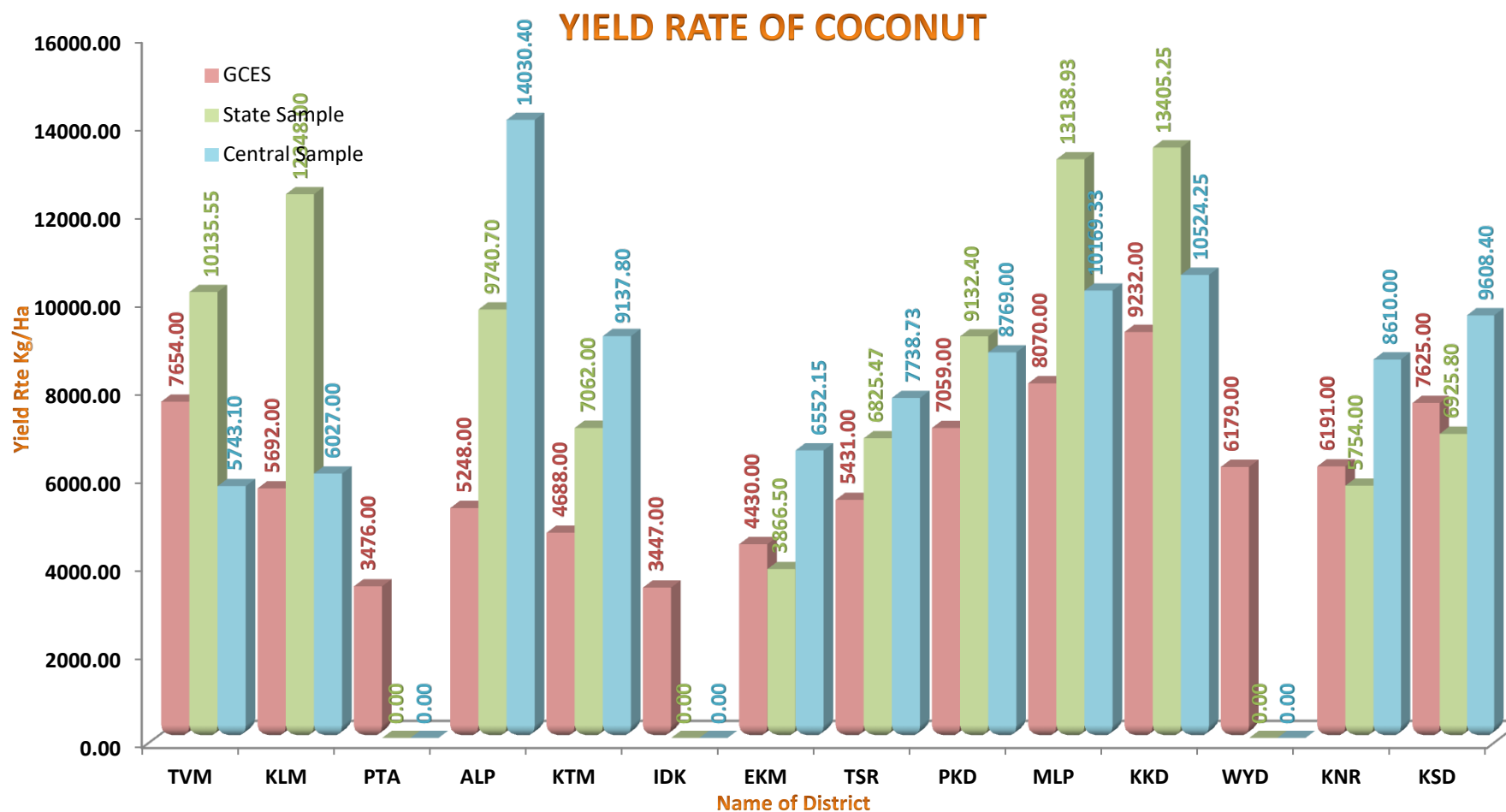


CHART-18
DISTRICTWISE YIELD RATE OF PEPPER UNDER GCES & ICS 2024-25

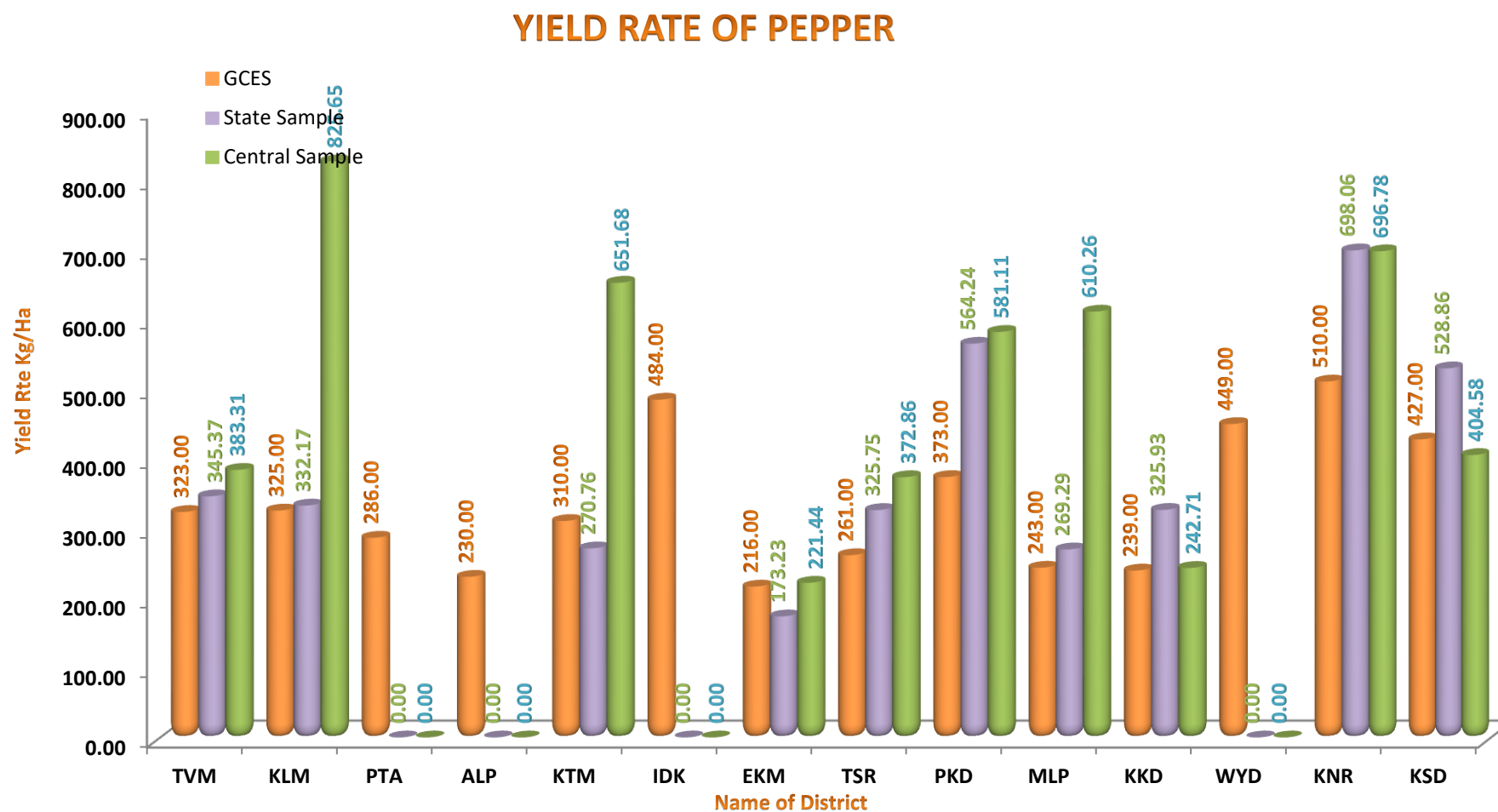


CHART-19
DISTRICTWISE YIELD RATE OF ARECANUT UNDER GCES & ICS 2024-25

YIELD RATE OF ARECANUT

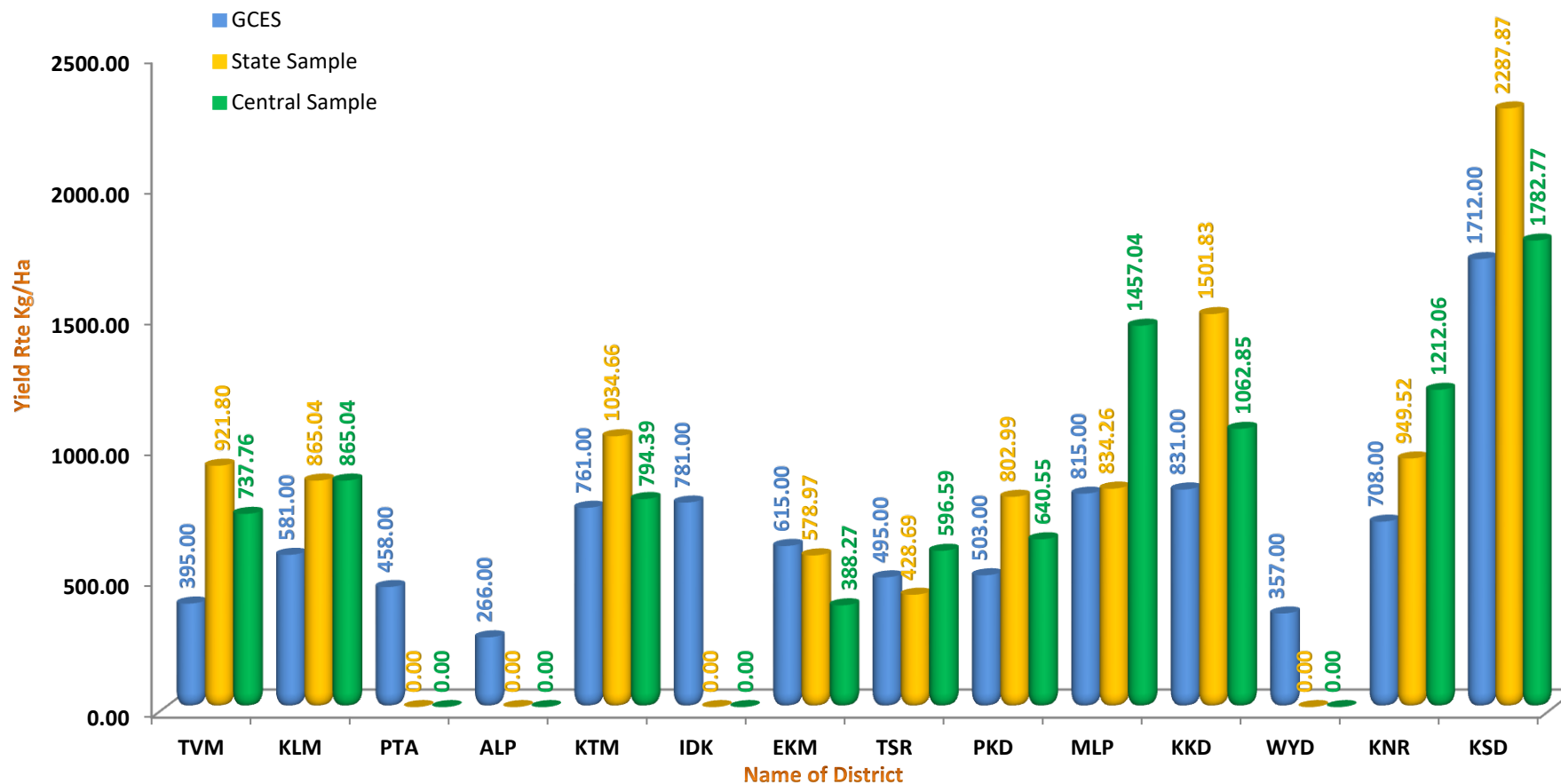


CHART-20
CROPWISE YIELD RATE OF IMPORTANT CROPS UNDER GCES & ICS 2024-25

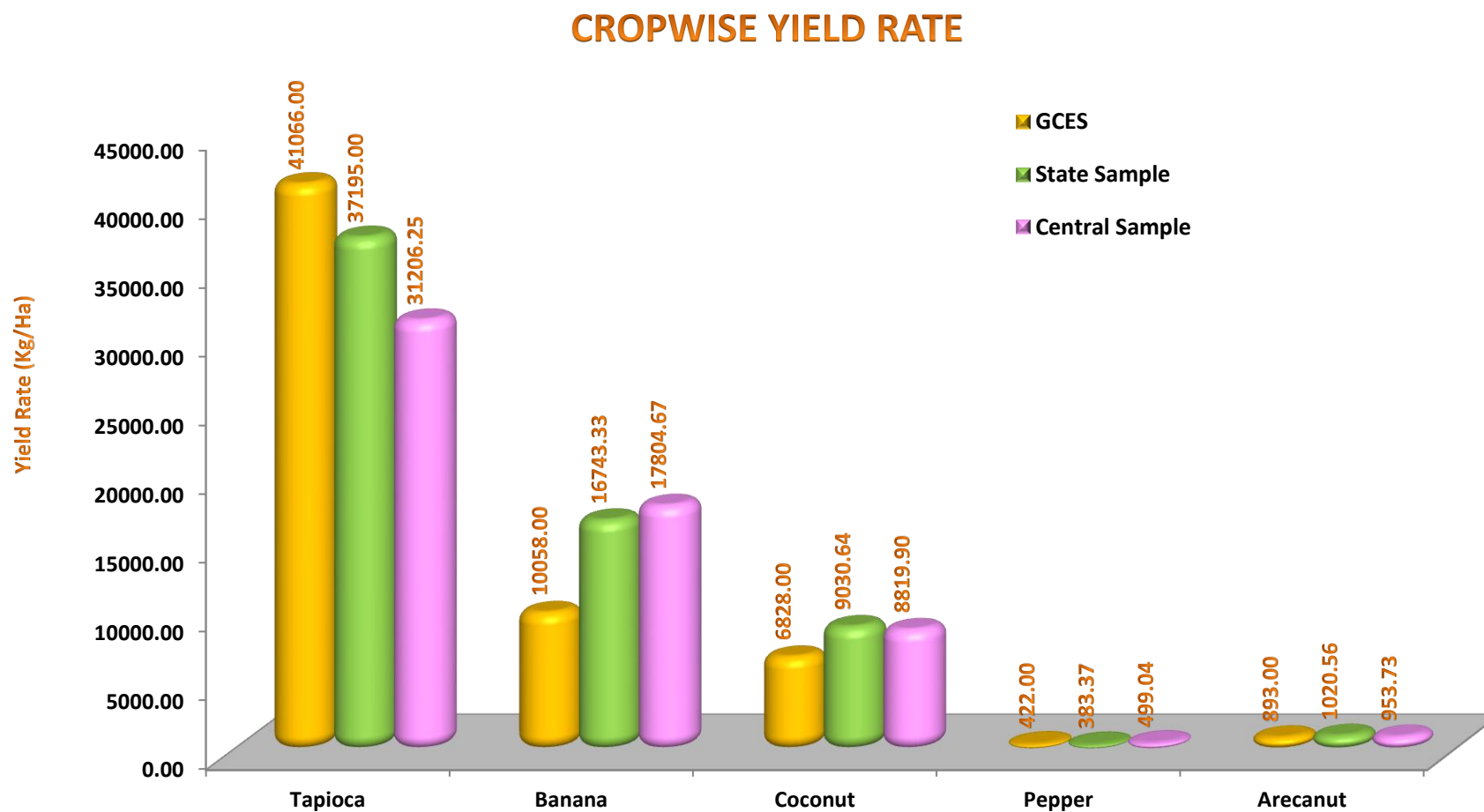


Table 14
TREND OF YIELD RATES (Kg/Ha) OF RICE UNDER GCES & ICS 2020-21 to 2024-25

YEAR	AUTUMN			WINTER			SUMMER		
	CENTRAL	STATE	GCES	CENTRAL	STATE	GCES	CENTRAL	STATE	GCES
2020-21	2030.83	2206.38	2643	2464.33	2343.58	3165	2640.34	2417.06	3464
2021-22	2227.23	1998.30	2542	2185.92	2220.51	3066	2479.29	2604.95	2902
2022-23	1858.79	1905.81	2716	2709.86	2460.95	3149	2881.64	2896.59	3350
2023-24	1863.99	2163.56	2598	2179.45	2277.55	2948	2533.11	2362.19	3238
2024-25	1854.57	1844.05	2790	2535.32	2253.72	3046	2438.80	2509.98	3100

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	Phosphorous
15	K	Potassium
16	NR	Non-Reporting
17	Expts	Experiments
18	F	Fertilizer
19	HYV	High Yielding Variety