



Government of Kerala

*Annual review of **Crop Statistics System in Kerala**
through the scheme for *Improvement of Crop Statistics**



2018-2019

Department of Economics and Statistics Kerala



GOVERNMENT OF KERALA

**ANNUAL REVIEW OF CROP STATISTICS
SYSTEM IN KERALA
THROUGH THE SCHEME FOR
IMPROVEMENT OF CROP STATISTICS
2018-19**

DEPARTMENT OF ECONOMICS & STATISTICS

KERALA

PREFACE

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

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

Sample check by the NSO is a super check for rectifying the non-sampling error to a minimum. For this purpose the Scheme of Improvement of Crop Statistics (ICS) was taken up in the year 1973-74, with the objective of pointing out, through joint efforts of NSO and State Government. The deficiencies in the system of crop statistics by exercising technical supervision over the primary field work and suggesting remedial measures for strengthening the system.

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

This report is being prepared by the Sample Check section in the EARAS unit of the Directorate of Economics and Statistics, Government of Kerala. I express my sincere gratitude to Sri.Sajeev.P.P. (Addl: Director), Smt.C.S. Latha Kumari (Joint Director) Smt.Sangeetha. R (Assistant Director), Smt. Vidya.U.B and Smt.Sheeja.N (Statistical Assistants - Grade-I) for their dedication and painstaking efforts for bringing out this report.

BABU.P.V
DIRECTOR

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I. INTRODUCTION

Scheme for Improvement of Crop Statistics (ICS)

The scheme ICS which had a modest beginning in the year 1973-74 reach to the optimum coverage in the subsequent years. The scheme is closely related to the scheme of TRS, EARAS & GCES and was initiated with the objective of pointing out the deficiencies in the system of collection of area and yield statistics through the joint efforts of NSO and DES and suggested remedial measures.

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

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

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

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

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

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

The programme of sample check on area enumeration consists of selecting and locating 4 clusters in each selected IV zone. The supervisory officer from NSSO or DES identifies the differences on reporting and recording the crop in the concerned survey numbers during each season. And also find out the variation on reporting the land utilisation by all means.

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

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

- (1) Timeliness in completion of area enumeration and working of the EARAS Scheme
- (2) Discrepancies in recording 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 experiments 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 Survey (TRS)

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

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

Under the scheme EARAS, collection of data for estimating area and yield statistics for every agricultural year by way of complete enumeration of the villages of the State in a phased manner powering 20% of the selected villages was done in each year. The first cycle of the survey was completed within a period of six years 1975-76 - 1980-81 and the second cycle in 1985-86. During 1993-94 the Investigator Zones were reorganised to suit the villages to Panchayats. From 2000-01 onwards the part Panchayats were discontinued and each Investigator Zone was formed with full Panchayat/Panchayats. Cluster sampling method is being followed in EARAS Scheme in order to obtain

representation from the entire area of the Investigator Zone. The production of crops are estimated on the basis of scientifically designed crop cutting experiments conducted by the Investigators under the supervision of Statistical Inspectors/Taluk Statistical Officers/ District Level Officers.

5.District Level Committee (DLC)

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

II Analysis of Data 2018-19

Check on Area Enumeration and Area Aggregation

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

1) Response in Sample Check on Enumeration of Area during 2018-19

The response in sample check on area enumeration i.e., the number of Investigator zones for which filled in schedules were received during 2018-19 given in Table-1. The response was 100% for all season for all district for Central Sample & State Sample.

2) Completion of Area Enumeration under EARAS

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

Timeliness in completion of area enumeration during 2018-19 is given in Table-2. The Timeliness of completion is 93.75%, 96.25%, 97.5% for Central Sample and 100%, 100% & 92.5% for State Sample respectively for Autumn, Winter and Summer seasons, 5%, 2.5% & 2.5% enumeration work during Autumn, Winter and Summer season are completed after due date for Central Sample and 1.25% for Autumn and 1.25% for Winter, the date of completion is not known. 7.5% enumeration work were completed after due date of Girdawari for State Sample in Summer season.

3) Submission of EARAS Statement

The details of season wise submission of EARAS statement during 2018-19 are indicated in Table-3. Timely submission of these statements still needs considerable improvement in almost all districts.

4) Discrepancies in recording crop and crop areas

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

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

The percentage of Survey nos. in which different types of discrepancies in recording paddy area by the Investigator during Autumn, Winter and Summer for the year 2018-19 are given in Table-4. The error, which non-reporting of the actual grown area of the crop (E1) is 0.89 in Winter and 0.79 in Summer for Central Sample. Reporting of crops actually not grown (E2) is 1.79% in Winter and 3.17 % in Summer for Central Sample. Reporting of crops actually not grown (E2) in case of State Sample during Autumn is 2.70% and Winter is 0.4%. Reporting of incorrect area of crops (E3) is 1.79% in Winter and 3.17 % in Summer for Central Sample. Reporting of crops actually not grown (E2) in case of State Sample during Autumn is 2.70% and Winter is 0.4%. Reporting of incorrect area of crops (E3) is 0.55%, 5.65 %, 5.65% and 4.76% for Autumn, Winter and Summer respectively for Central Sample and 3.97 % during winter season for State Sample.

5) Discrepancies in recording variety particulars of seed used

Information on distribution of survey numbers as per the type of seed used for paddy during Autumn, Winter and Summer is given in Table 5(a), 5(w) and 5 (s) respectively. There is no difference in recording of seeds used during Autumn season for Central Sample. But 2.70% of crop Non-reported in Autumn for State Sample. There is a slight discrepancy in Ernakulam district for State sample during Winter season and a slight discrepancy in Malappuram district for Central Sample. During Summer season 3.17% of crop Non-reported for Central Sample.

III. CHECK ON CROP CUTTING EXPERIMENTS

1. Sample check on Crop Cutting Experiments

Table 6 reflects the percentage of crop cutting experiments during each season for each district for the year 2018-19. For Central Sample the response was 99% during Autumn and 86% for State Sample. For Central and State Sample Winter and Summer season response was 100%.

2. Distribution of number of experiments conducted by important inputs

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

3. Procedural Deviations and Discrepancies

At the same time of Sample Check work the officer who attends may examine, if there is any deviation from the guidelines and procedure, most probably occur on crop cutting experiment.

Incidences of deviation and departure observed during the Sample Check programme for each crop are:

- E1 – Error in selection of survey/sub-survey numbers
- E2 – Error in selection of field within survey/sub-survey numbers
- E3 – Error in reporting seed variety
- E4 - Error in reporting seed rate.
- E5 - Error in reporting irrigation particulars
- E6 - Error in reporting application of fertilizers
- E7 - Error in reporting application of manures
- E8 – Error in reporting application of pesticides
- E9 - Error in reporting measurement of field
- E10 - Error in checking random numbers

E11 - Error in location of plots

E12 - Error in plot dimensions

E13 - Error in weighing of produce

E14 - Inadequate arrangement for storing the produce for drying

E15 - Error in reporting proportion of experimental crops in mixture/wrong reporting of constituents in mixture and

E16 - any one of the items missing

4. Supply and use of Crop Cutting Equipments

The information on supply and use of crop cutting equipments such as Tapes, Pegs, Balance and Weights collected during the Sample Check survey 2018-19 is presented in Tables 16(i) & 16 (ii). In most districts standard equipment which supplied were used but in some district the use of non-standard equipments are noticed. Use of non-standard equipments should be avoided.

IV Estimation on Average Yield Rates

Estimated yield rates of high yielding and other varieties of crops for irrigated and unirrigated categories and crop-wise rate of application of fertilizers and differential yield rates according to inputs for paddy during Autumn, Winter and Summer for Central and State samples are given in the Tables 8 (iii), 8 (v), 8(vi), 9(iii), 9(iv), 9(v), 9(vi), 10(iii), 10(iv), 10(v) & 10(vi).

Crop wise number of experiments planned for Sample Check at harvest and the response received variety wise estimated yield rates for irrigated and unirrigated categories, crop-wise rate of application of fertilizers and yield rates according to inputs for Central and State samples for the whole year crops Banana, Tapioca, Coconut, Pepper and Arecanut are given in the Tables 11(i), (ii), (iii),(iv), (v), (vi), 12(i), (ii), (iii), (iv), (v), (vi), 13(i), (ii), (iii), (iv), (v), (vi), 14(i), (ii), (iii), (iv), (v), (vi), 15(i), (ii), (iii), (iv), (v), (vi).

V. Comparison of ICS and GCES yield Estimates

The district yield rates of rice under ICS and GCES during the year 2018-19 for Central and State samples are given in Table 17(i).

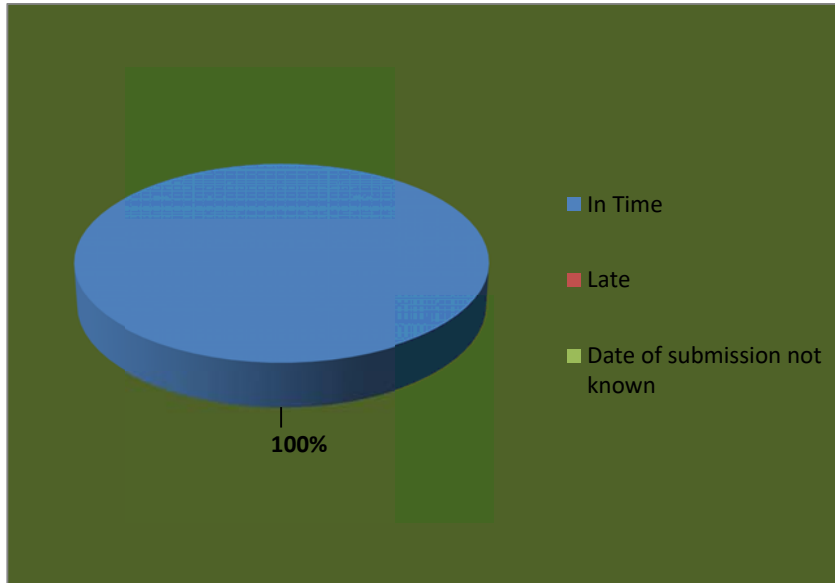
Trend of yield rate for Rice under ICS and GCES during Autumn, Winter and Summer for the year 2018-19 are given in Chart 7, 8 and 9 respectively. District wise yield rate of Rice under GCES and ICS are given in Chart 10, 11 and 12 respectively. Season wise yield rate under GCES and ICS for paddy is given in Chart 13.

Yield rates of rice under ICS are lower as compared to GCES during Autumn and Summer season. The yield rates of important crops under GCES and ICS for the year 2018-19 is given in Table 17(i) & 17(ii). A graphical representation of yield rates of Tapioca, Banana, Coconut, Pepper and Arecanut are given in Chart 14 to 18. A graphical representation of Crop wise yield rates of important crops during 2018-19 is given in Chart-19.

CHART 1

COMPLETION OF GIRDAWARI 2018-19 AUTUMN

STATE SAMPLE



CENTRAL SAMPLE

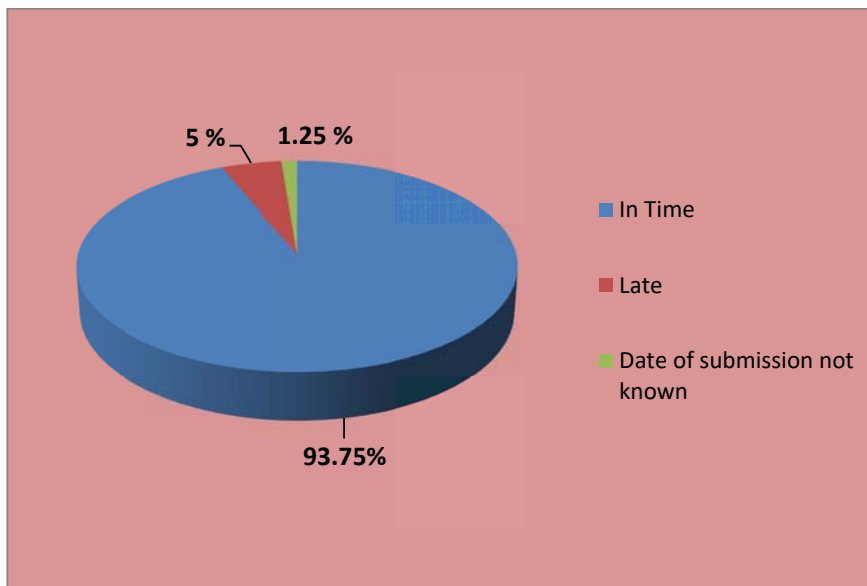


CHART 2
COMPLETION OF GIRDAWARI 2018-19
WINTER
STATE SAMPLE



CENTRAL SAMPLE

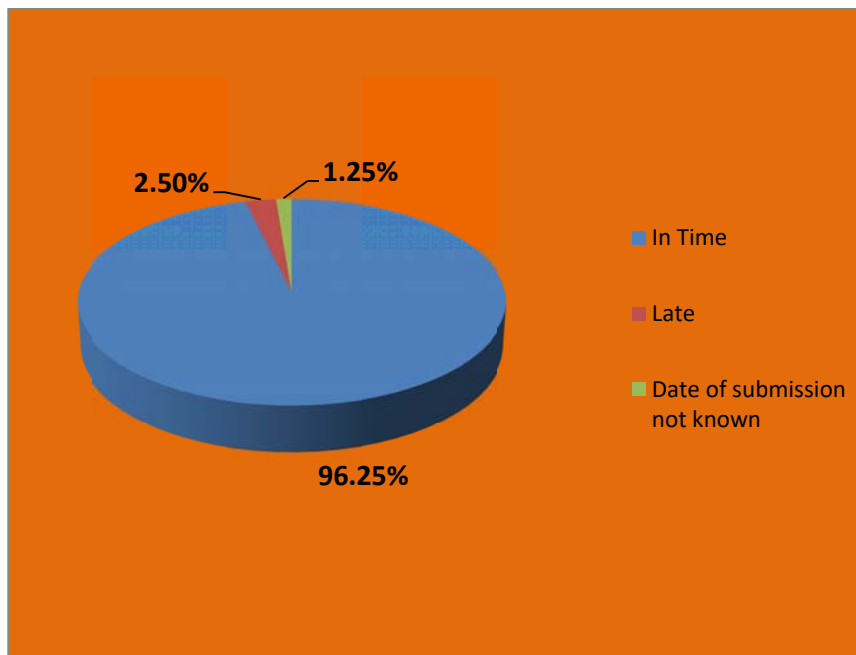
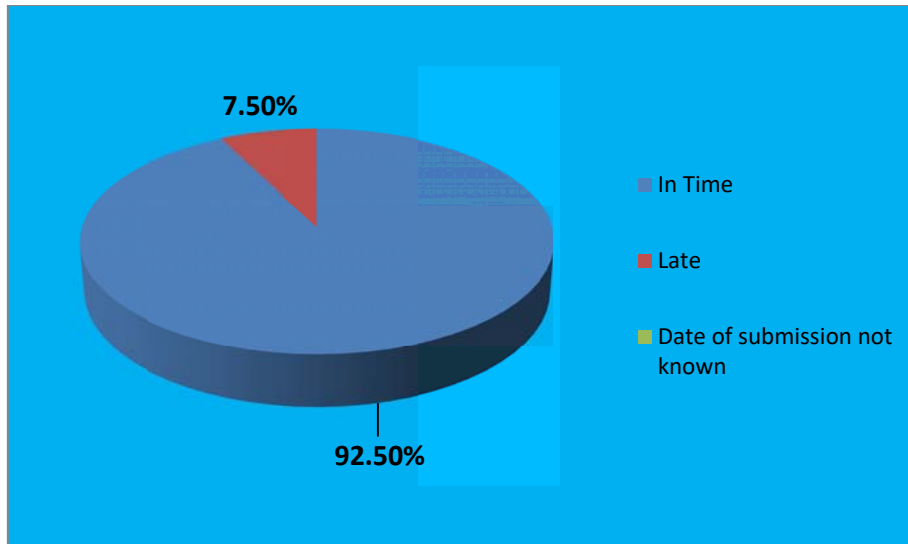


CHART 3
COMPLETION OF GIRDAWARI 2018-19
SUMMER
STATE SAMPLE



CENTRAL SAMPLE

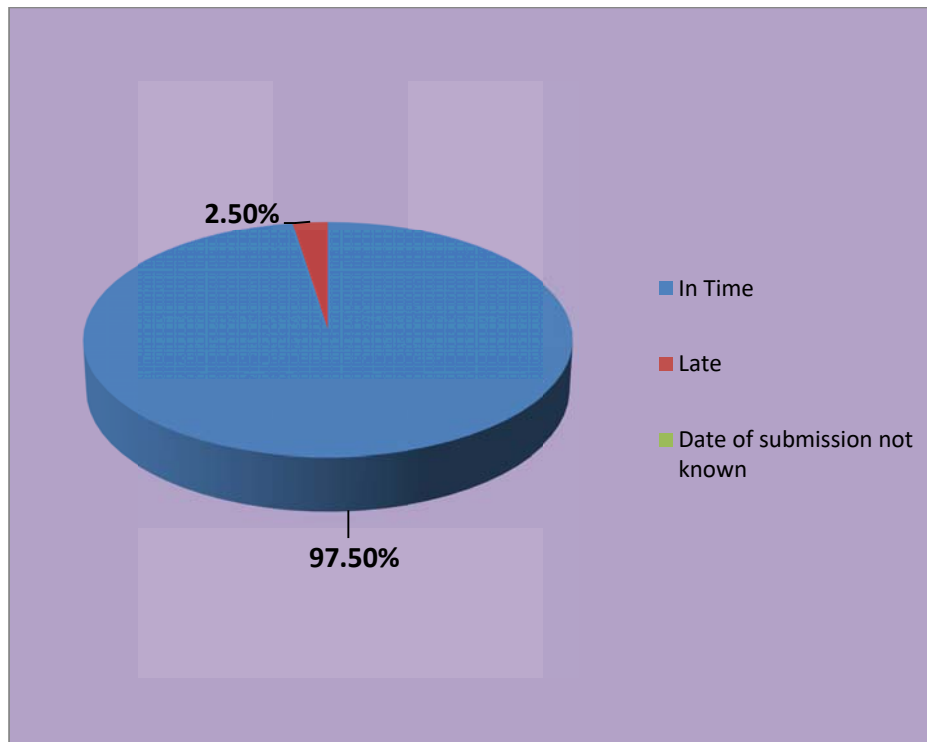
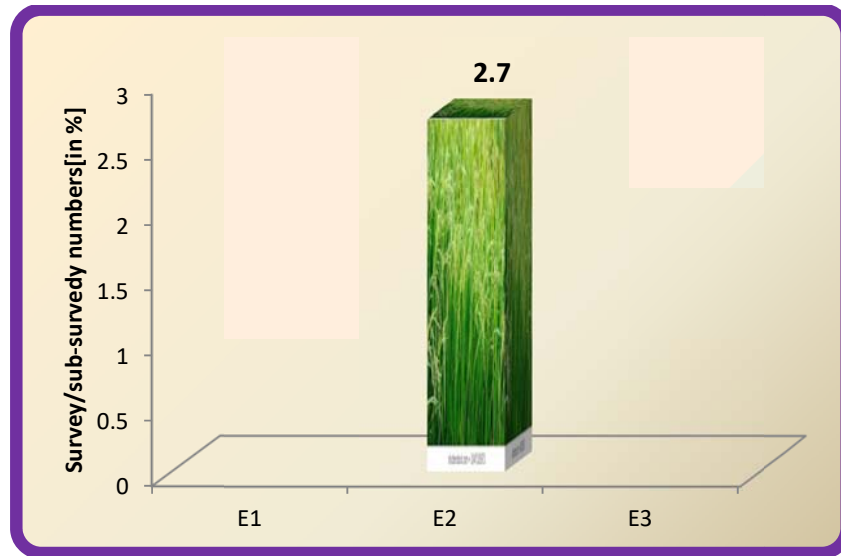
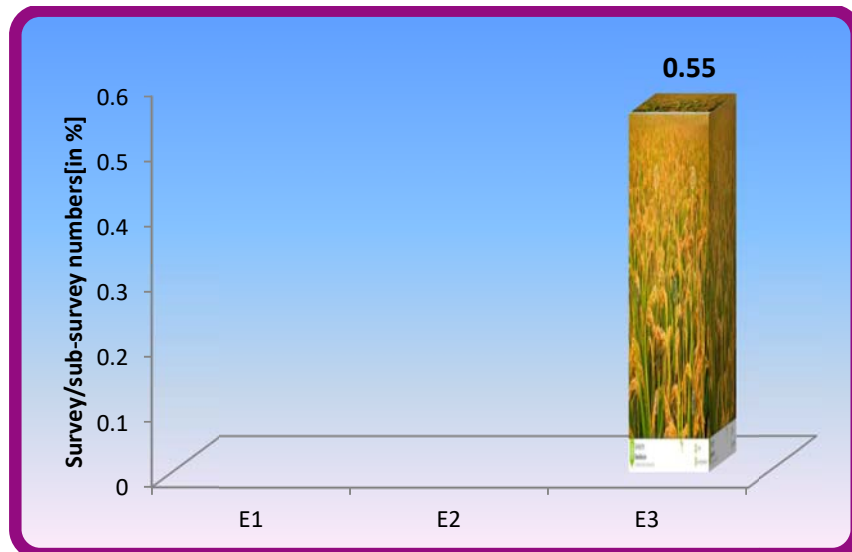


CHART-4
ERRORS IN RECORDING CROPS AND CROP AREAS 2018-19
AUTUMN

STATE SAMPLE



CENTRAL SAMPLE



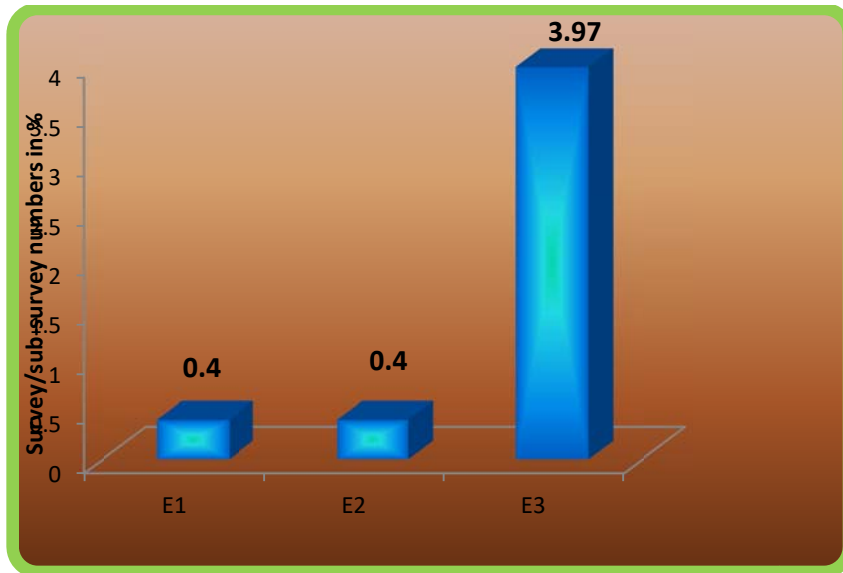
E1-Crop reported by supervisor but not reported by primary worker
E2- Crop reported by primary worker but not reported by supervisor
E3-Crop area reported by supervisor and primary worker differed.

CHART-5

ERRORS IN RECORDING CROPS AND CROP AREAS 2018-19

WINTER

STATE SAMPLE



CENTRAL SAMPLE

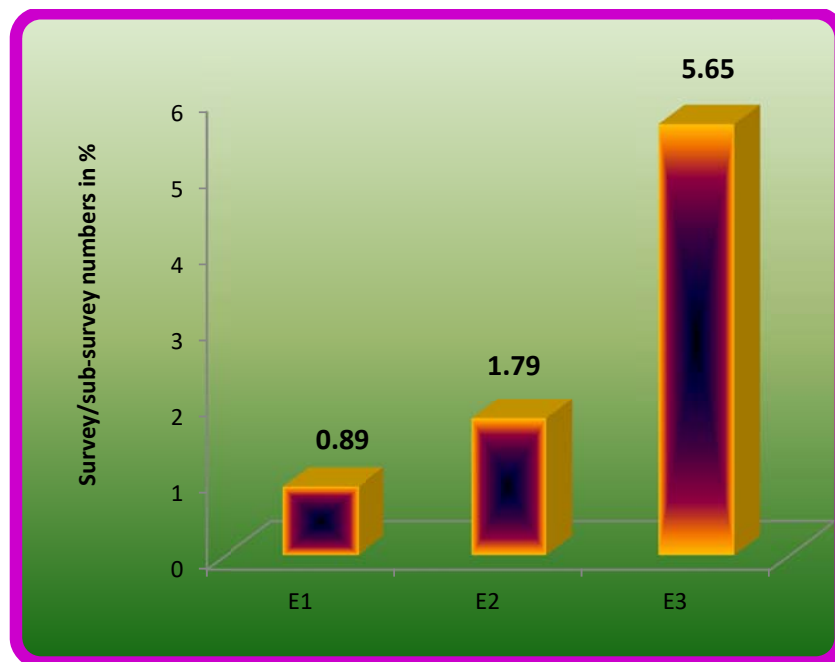
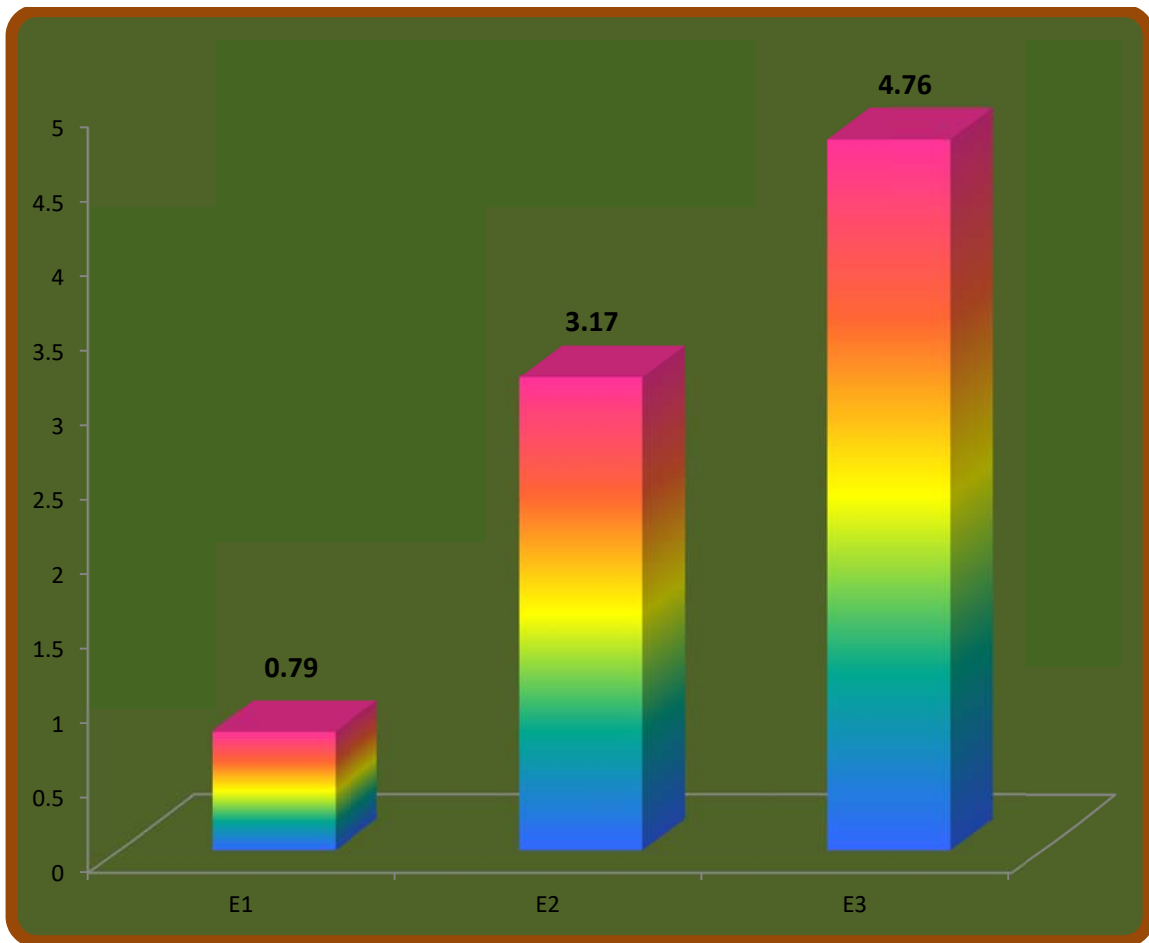


CHART-6

ERRORS IN RECORDING CROPS AND CROP AREAS 2018-19

SUMMER

CENTRAL SAMPLE



No error in State sample

CHART-7

TREND OF YIELD RATES OF RICE UNDER ICS AND GCES 2014-15 to 2018-19 AUTUMN

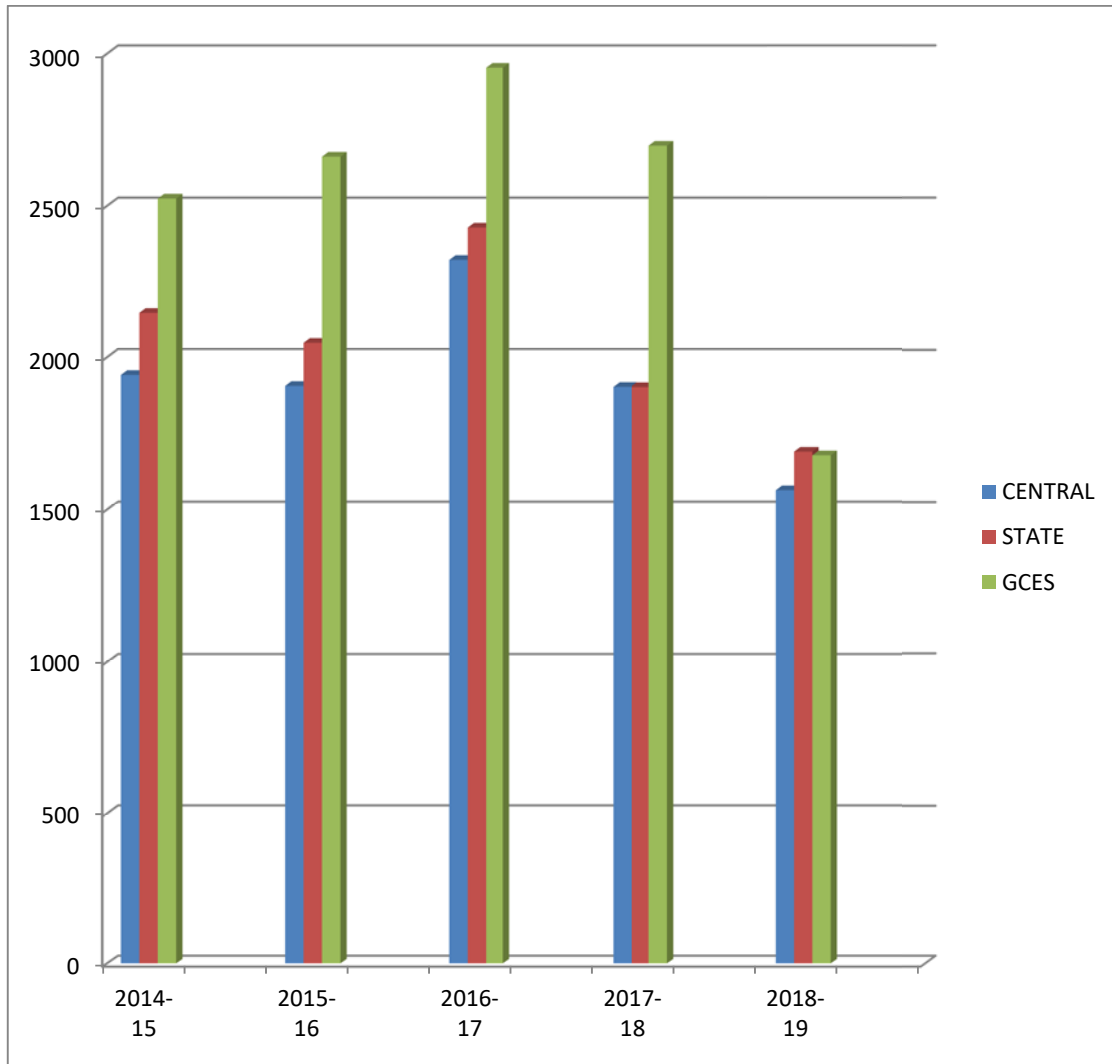


CHART-8

TREND OF YIELD RATES OF RICE UNDER ICS AND GCES 2014-15 to 2018-19 WINTER

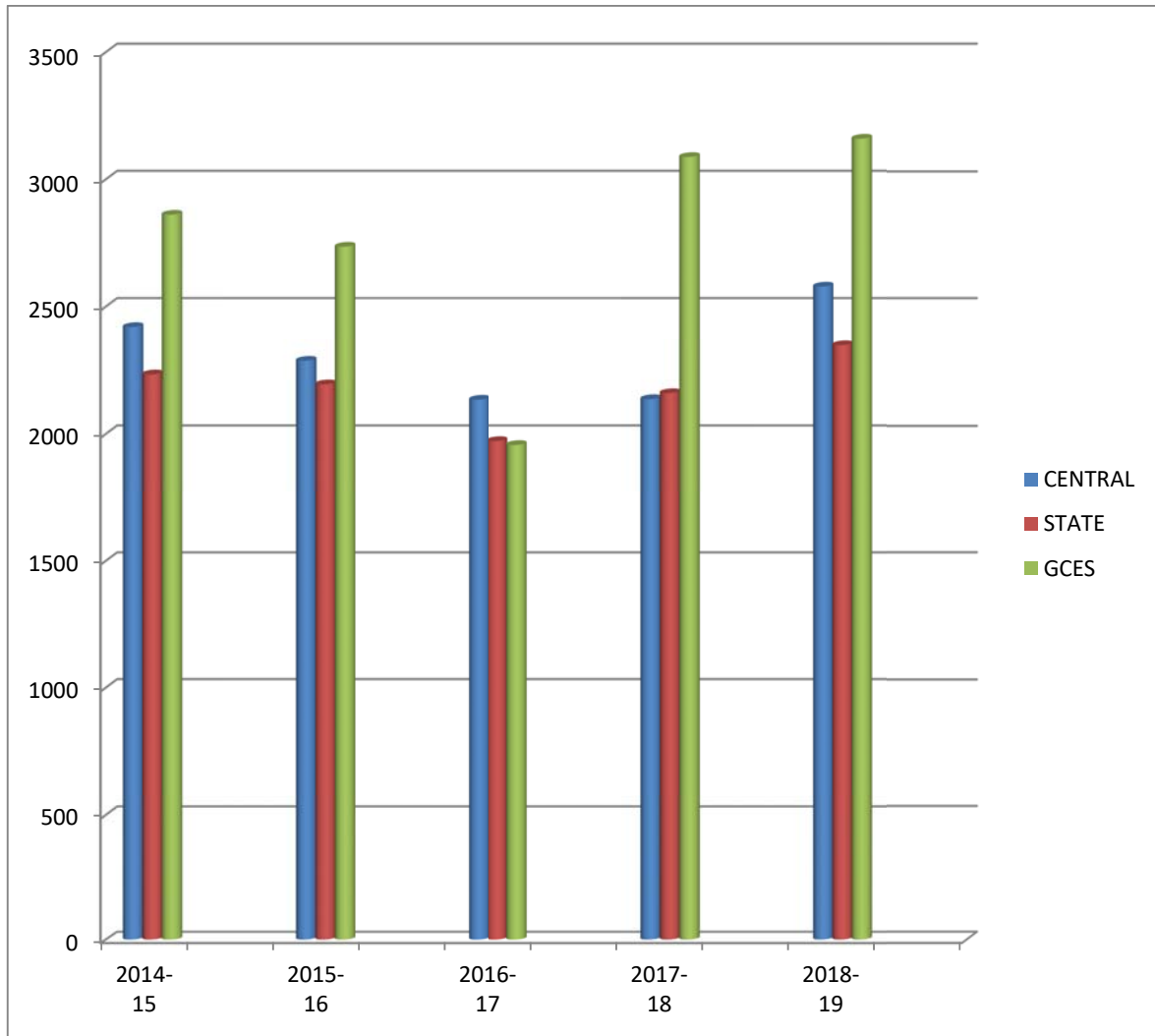


CHART-9
TREND OF YIELD RATES OF RICE UNDER ICS AND GCES
2014-15 to 2018-19
SUMMER

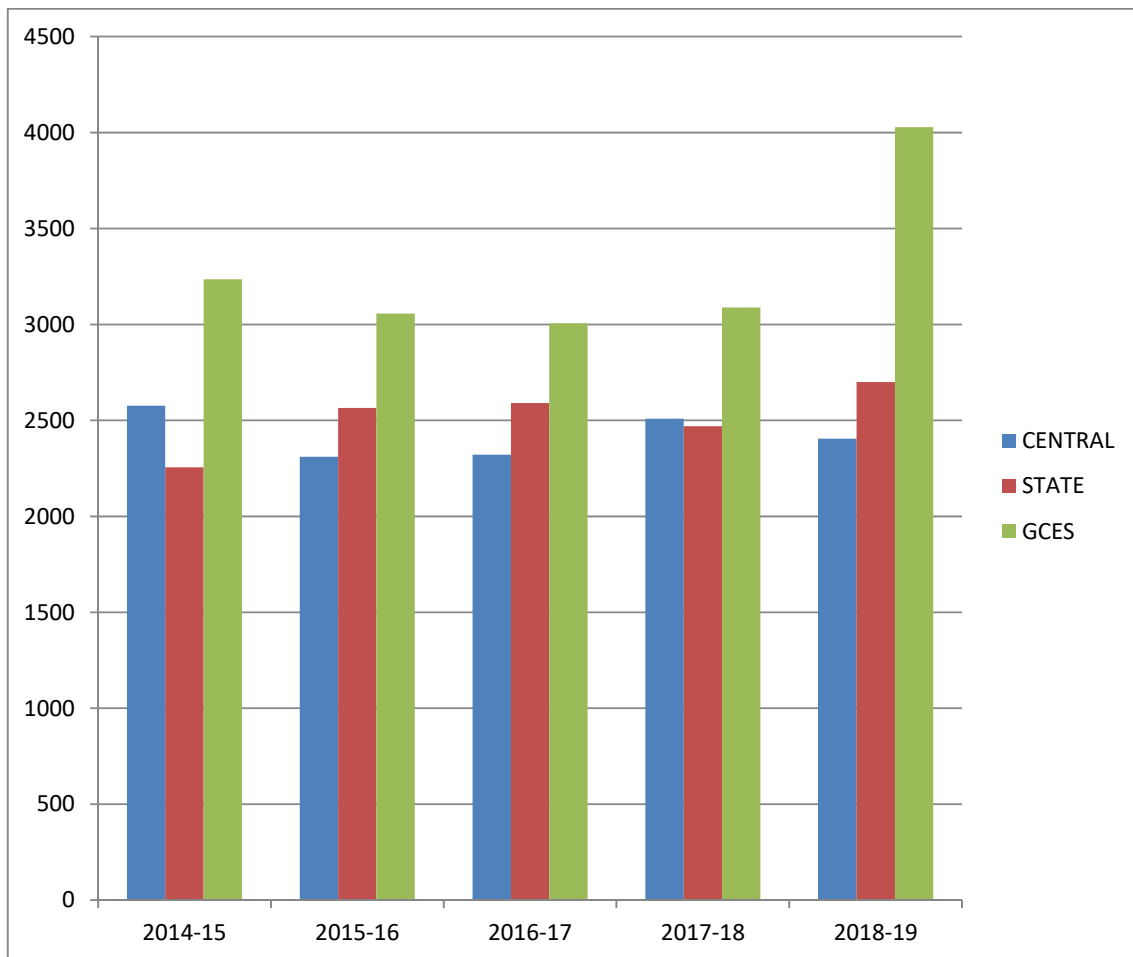


CHART-10
DISTRICTWISE YIELD RATE OF RICE –ICS & GCES
AUTUMN 2018-19

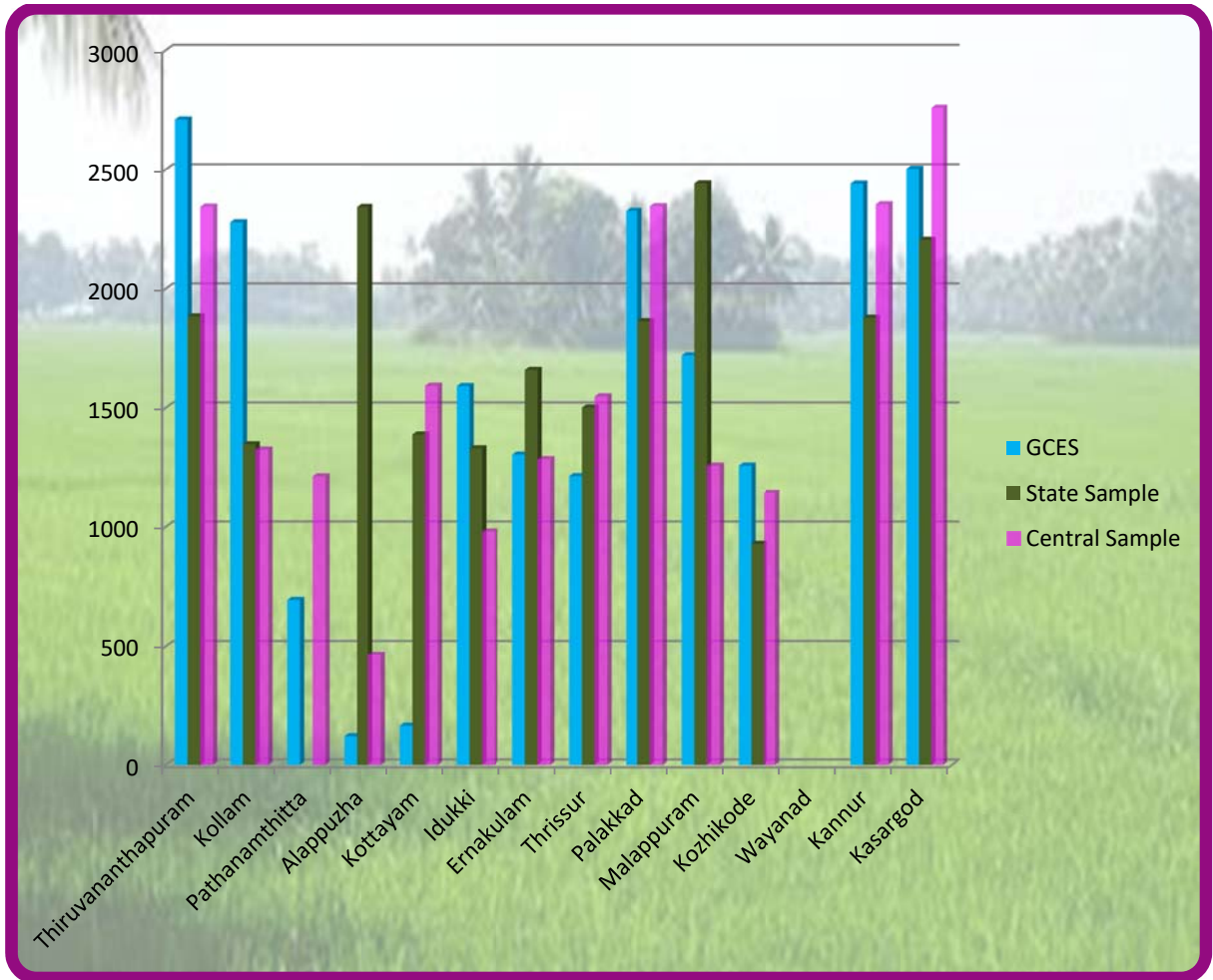


CHART 11
DISTRICTWISE YIELD RATE OF RICE –ICS & GCES
WINTER 2018-19

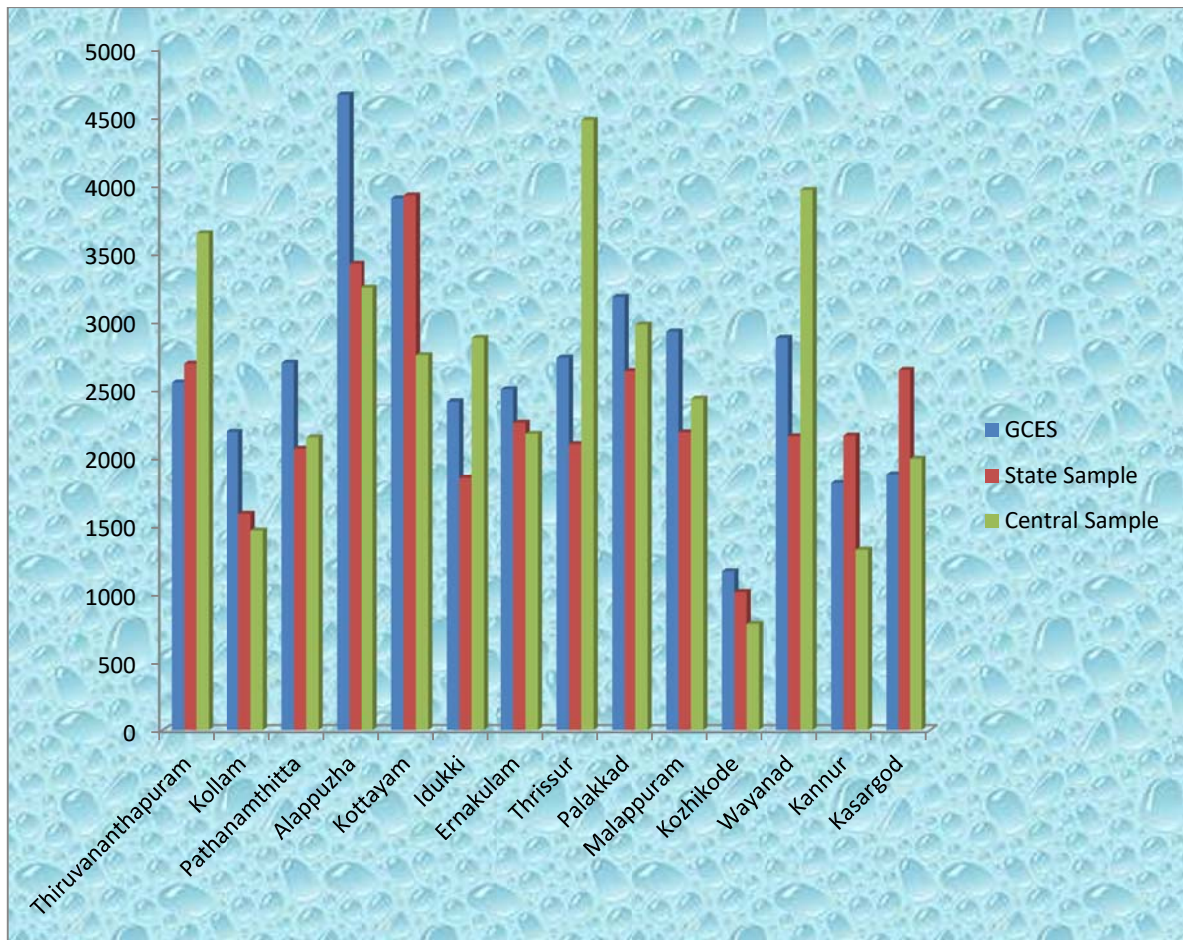


CHART 12
DISTRICTWISE YIELD RATE OF RICE –ICS & GCES
SUMMER 2018-19

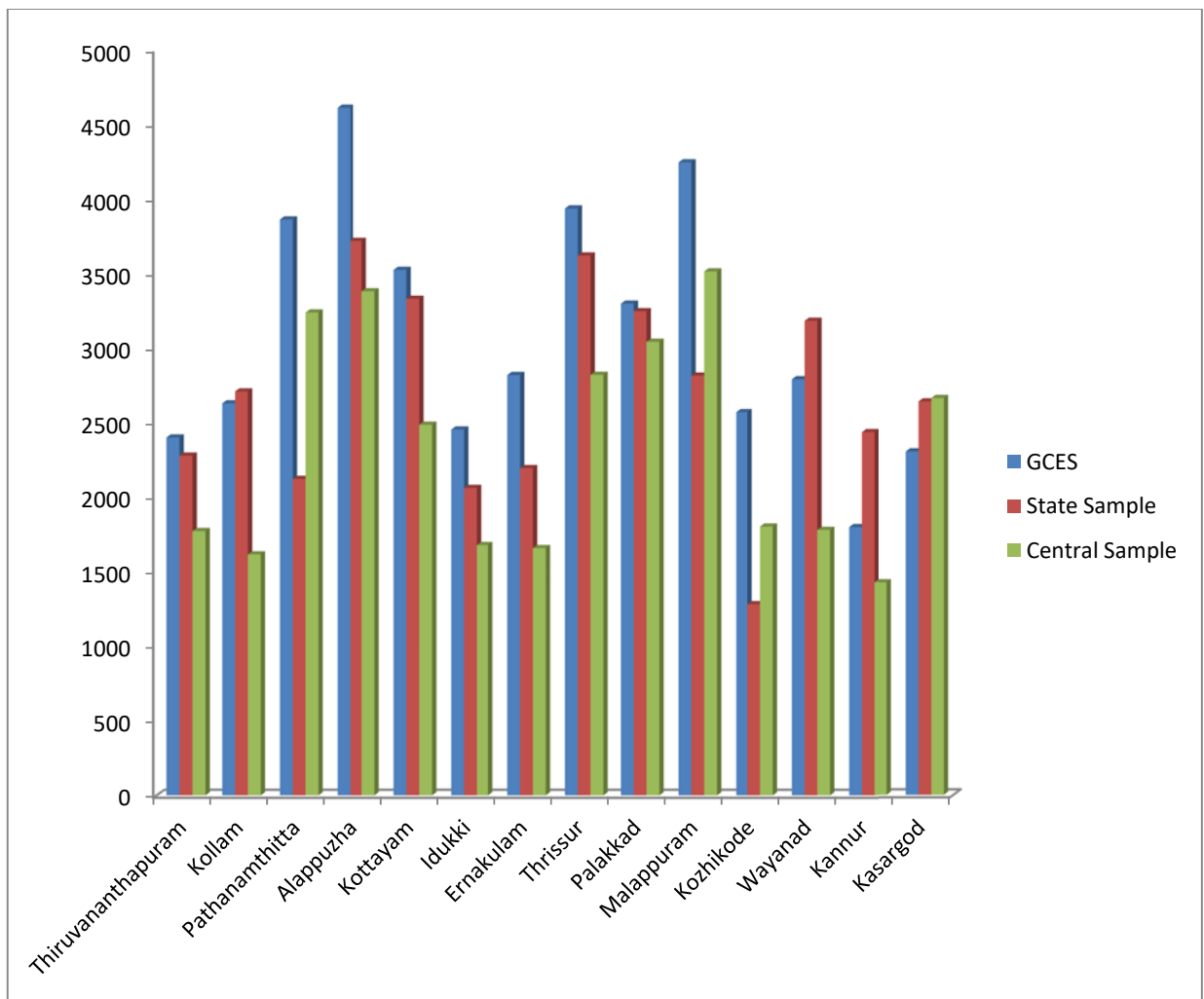


CHART 13

SEASONWISE YIELD RATE OF RICE UNDER GCES & ICS 2018-19

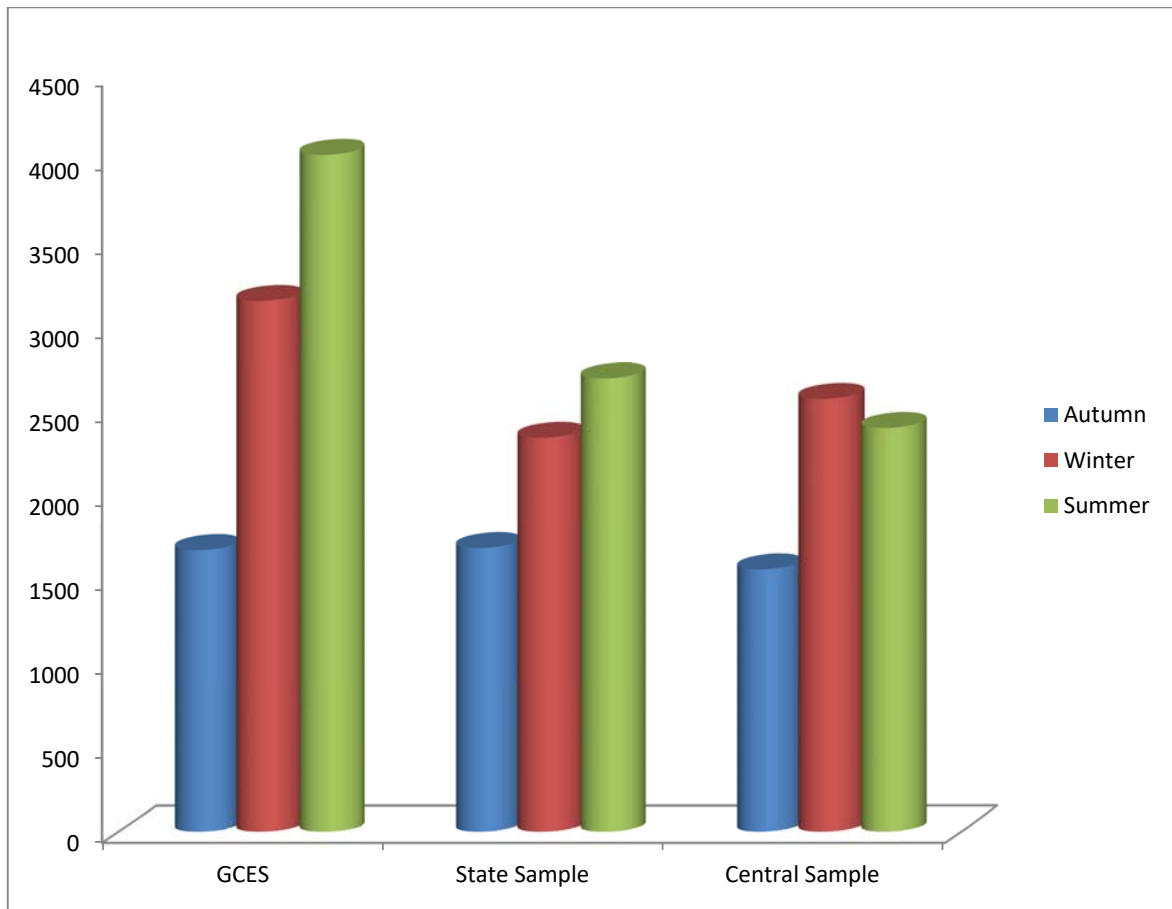


CHART-14

DISTRICTWISE YIELD RATE OF TAPIOCA

2018-19

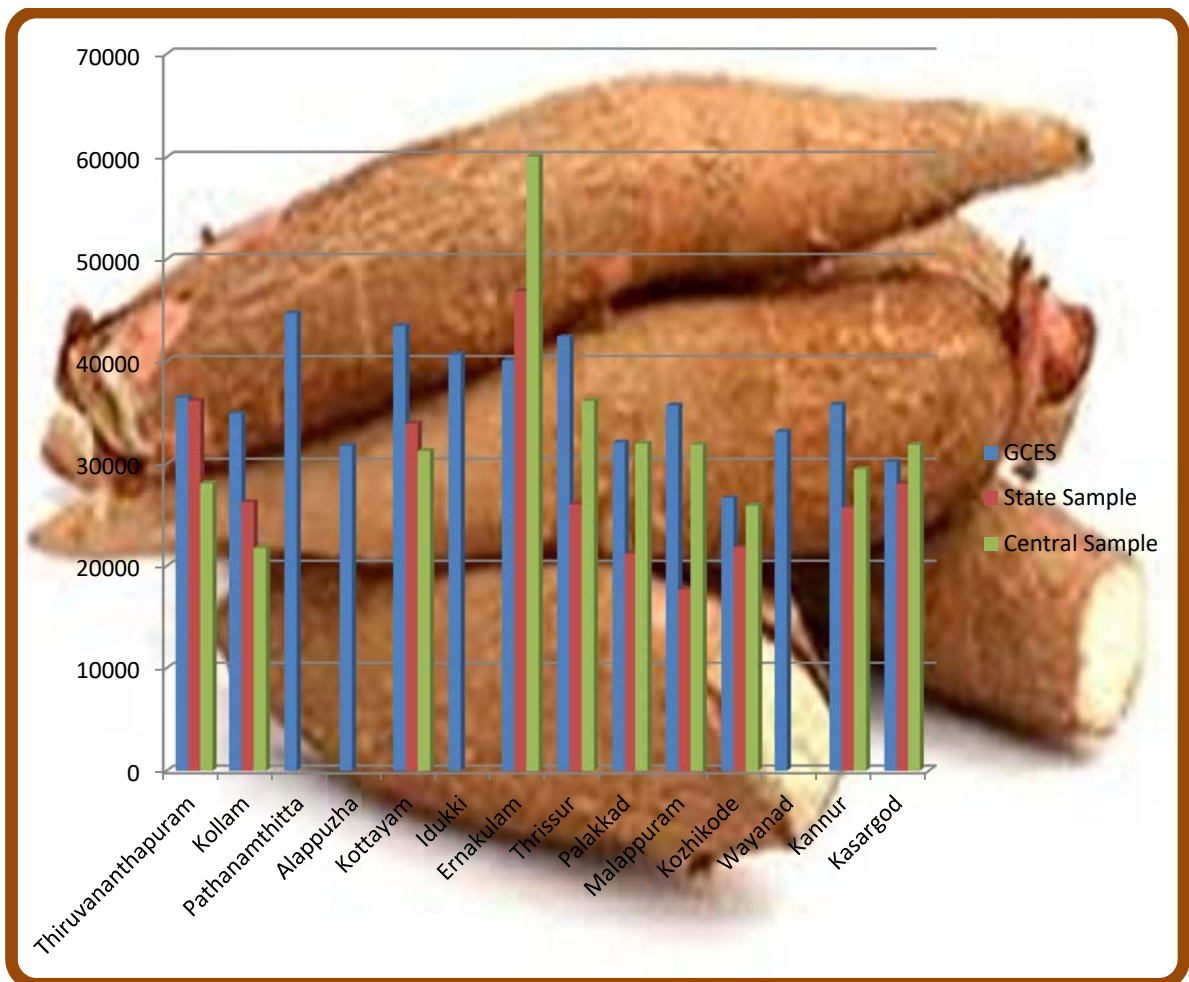


CHART-15

DISTRICTWISE YIELD RATE OF BANANA UNDER 2018-19

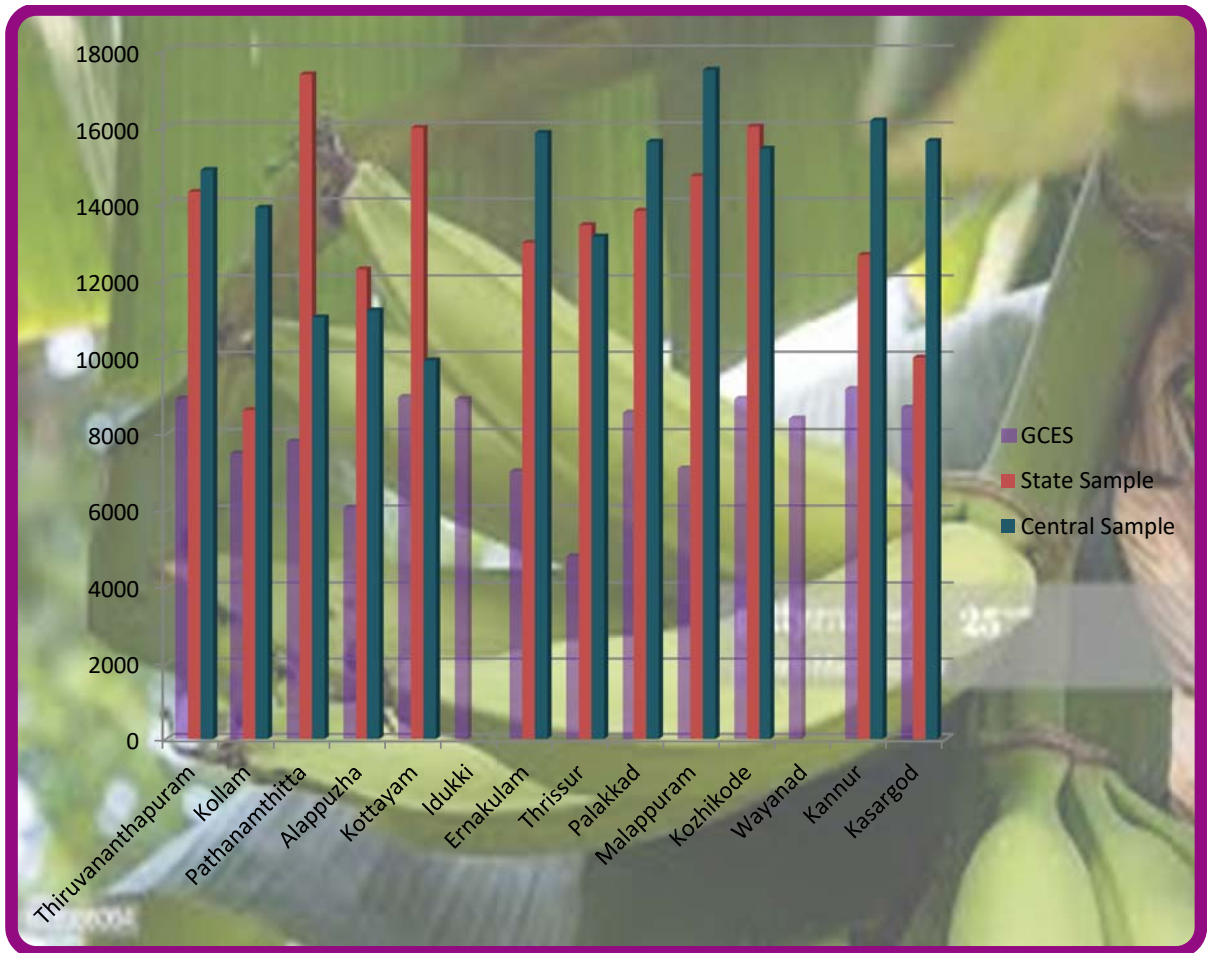


CHART-16

DISTRICTWISE YIELD RATE OF COCONUT UNDER 2018-19

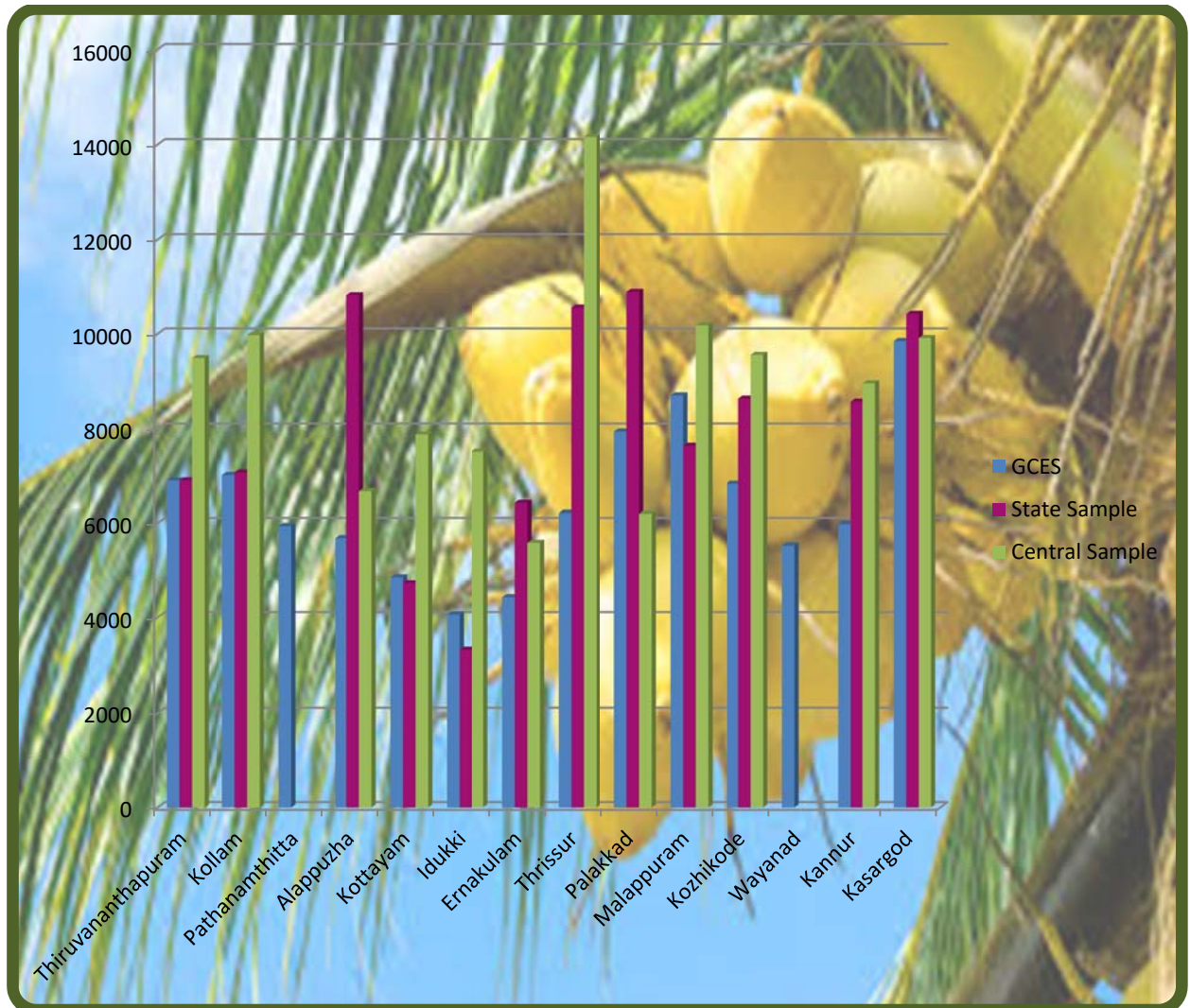


CHART-17

DISTRICTWISE YIELD RATE OF PEPPER UNDER 2018-19

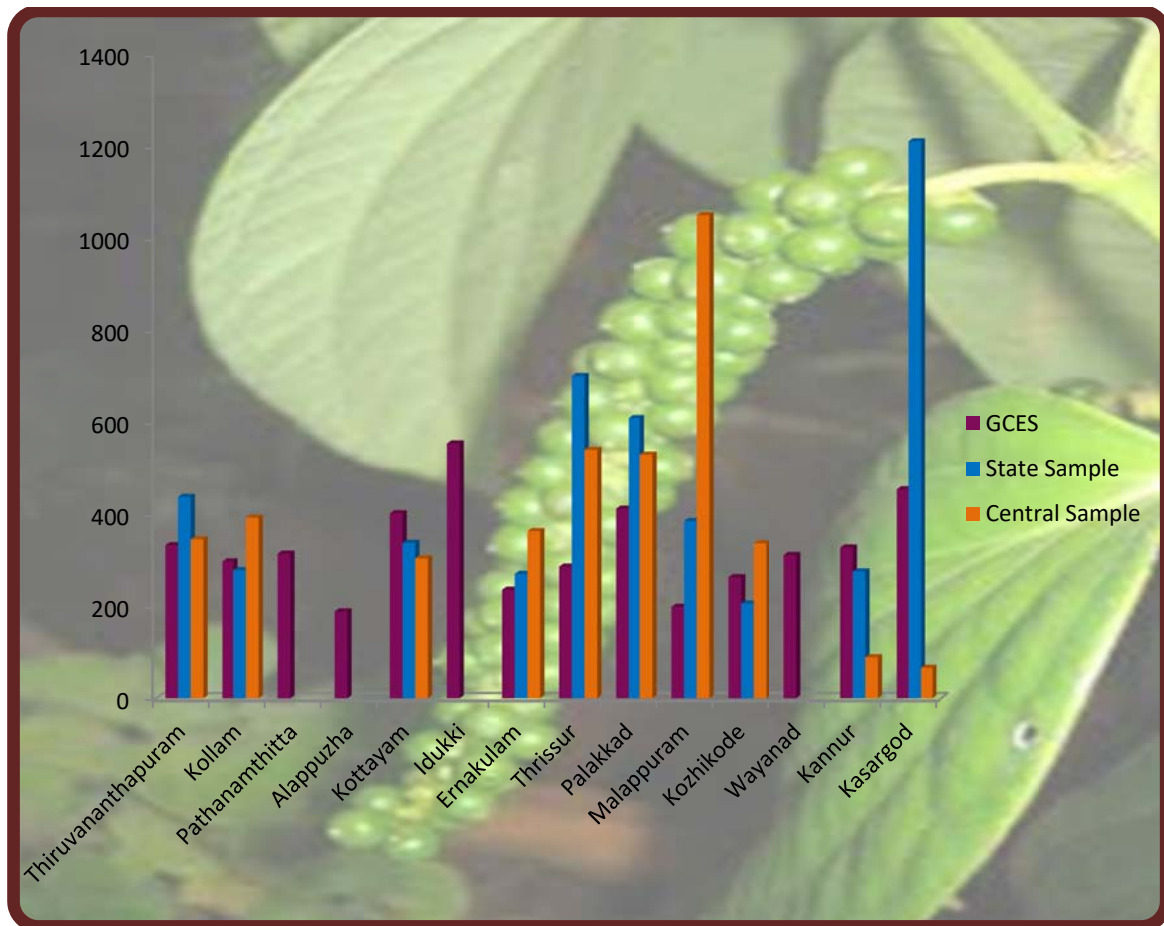


CHART-18

DISTRICTWISE YIELD RATE OF ARECANUT 2018-19

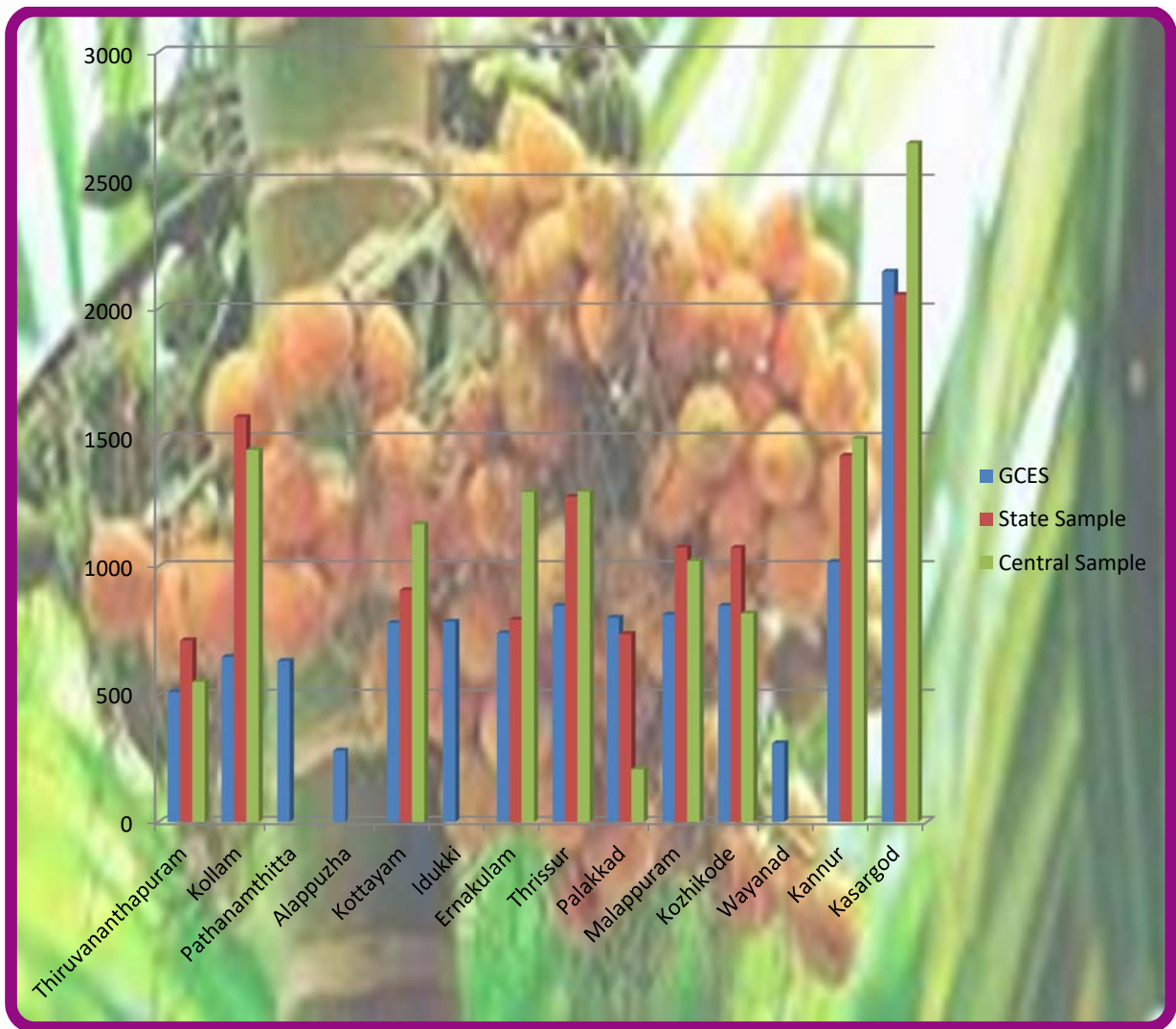


CHART-19

CROPWISE YIELD RATES OF IMPORTANT CROPS UNDER GCES & ICS 2018-19

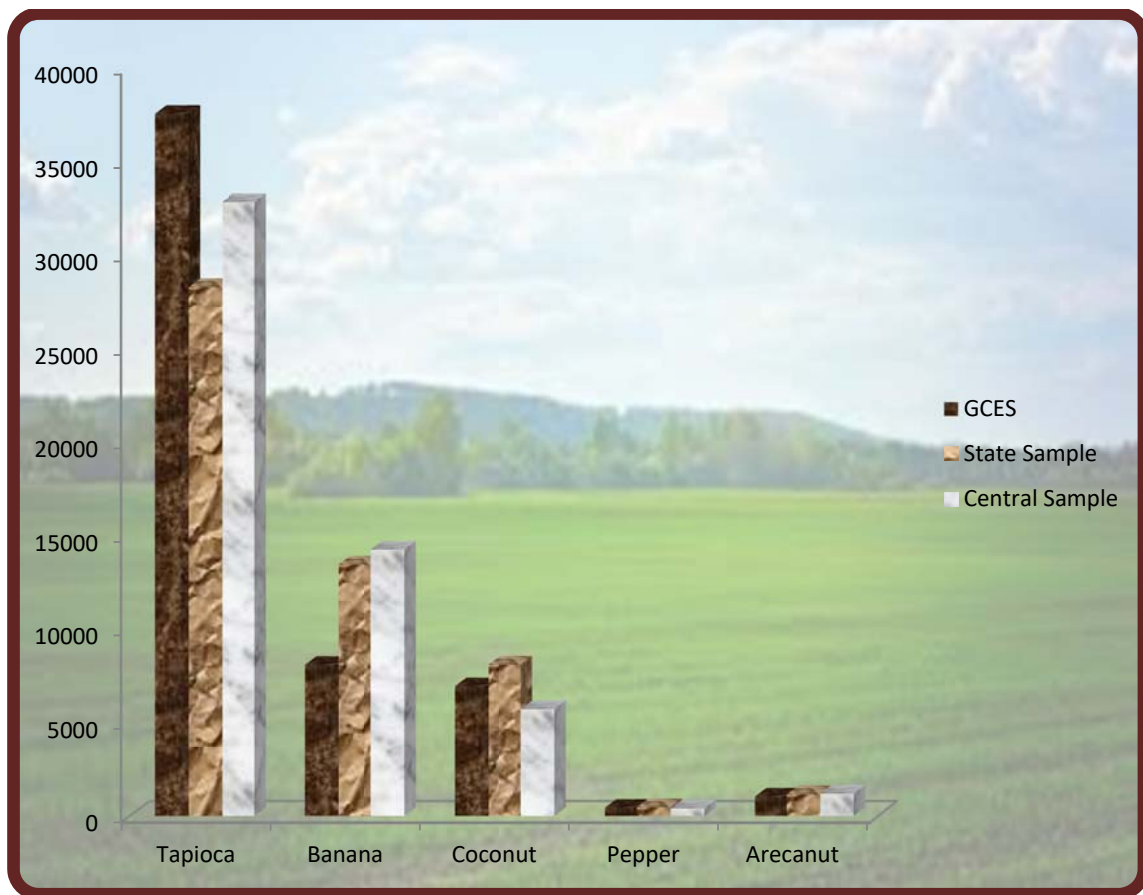


Table-1

RESPONSE IN SAMPLECHECK ON ENUMERATION OF AREA DURING 2018-19

| Sl. No. | District | Agency | Sample Size | Percentage of Response | | |
|-----------------------------|--------------------|----------|-------------|------------------------|------------|------------|
| | | | | Autumn | Winter | Summer |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Thiruvananthapuram | C | 5 | 100 | 100 | 100 |
| | | S | 5 | 100 | 100 | 100 |
| 2 | Kollam | C | 5 | 100 | 100 | 100 |
| | | S | 5 | 100 | 100 | 100 |
| 3 | Pathanamthitta | C | 3 | 100 | 100 | 100 |
| | | S | 3 | 100 | 100 | 100 |
| 4 | Alappuzha | C | 3 | 100 | 100 | 100 |
| | | S | 3 | 100 | 100 | 100 |
| 5 | Kottayam | C | 6 | 100 | 100 | 100 |
| | | S | 6 | 100 | 100 | 100 |
| 6 | Idukki | C | 8 | 100 | 100 | 100 |
| | | S | 8 | 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 | 8 | 100 | 100 | 100 |
| | | S | 8 | 100 | 100 | 100 |
| 11 | Kozhikode | 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 |

Table-2

TIMELINESS IN COMPLETION OF GIRDAWARI DURING 2018-19

| Sl. No. | District | Agency | Percentage of villages where girdawari was completed during | | | | | | | | | | |
|----------------------|--------------------|--------|---|------|----------------------------------|---------------------|---------|-------|----------------------------------|---------------------|---------|-------|----------------------------------|
| | | | Autumn | | | | Winter | | | | Summer | | |
| | | | In Time | Late | But date of completion not known | Partially completed | In Time | Late | But date of completion not known | Partially completed | In Time | Late | But date of completion not known |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 1 | Thiruvananthapuram | C | 80 | 20 | | | 80 | 20 | | | 80 | 20 | |
| | | S | 100 | | | | 100 | | | | 100 | | |
| 2 | Kollam | C | 100 | | | | 80 | | 20 | | 100 | | |
| | | S | 100 | | | | 100 | | | | 100 | | |
| 3 | Pathanamthitta | C | 100 | | | | 66.67 | 33.33 | | | 66.67 | 33.33 | |
| | | S | 100 | | | | 100 | | | | 100 | | |
| 4 | Alappuzha | C | 100 | | | | 100 | | | | 100 | | |
| | | S | 100 | | | | 100 | | | | 100 | | |
| 5 | Kottayam | C | 100 | | | | 100 | | | | 100 | | |
| | | S | 100 | | | | 100 | | | | 100 | | |
| 6 | Idukki | C | 100 | | | | 100 | | | | 100 | | |
| | | S | 100 | | | | 100 | | | | 100 | | |
| 7 | Ernakulam | C | 80 | | 20 | | 100 | | | | 100 | | |
| | | S | 100 | | | | 100 | | | | 100 | | |
| 8 | Thrissur | C | 60 | 40 | | | 100 | | | | 100 | | |
| | | S | 100 | | | | 100 | | | | 100 | | |
| 9 | Palakkad | C | 100 | | | | 100 | | | | 100 | | |
| | | S | 100 | | | | 100 | | | | 100 | | |
| 10 | Malappuram | C | 100 | | | | 100 | | | | 100 | | |
| | | S | 100 | | | | 100 | | | | 25 | 75 | |
| 11 | Kozhikode | C | 100 | | | | 100 | | | | 100 | | |
| | | S | 100 | | | | 100 | | | | 100 | | |
| 12 | Wayanad | C | 80 | 20 | | | 100 | | | | 100 | | |
| | | S | 100 | | | | 100 | | | | 100 | | |
| 13 | Kannur | C | 100 | | | | 100 | | | | 100 | | |
| | | S | 100 | | | | 100 | | | | 100 | | |
| 14 | Kasaragod | C | 100 | | | | 100 | | | | 100 | | |
| | | S | 100 | | | | 100 | | | | 100 | | |
| For District Covered | | C | 93.75 | 5 | 1.25 | | 96.25 | 2.5 | 1.25 | | 97.5 | 2.5 | |
| | | S | 100 | | | | 100 | | | | 92.5 | 7.5 | |

Table-3
TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2018-19

| 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 | | | 80 | | 20 | | | | | |
| | | | S | | | 100 | | | | | | | |
| | | Winter | C | 20 | | 60 | | 20 | | | | | |
| | | | S | | | 100 | | | | | | | |
| | | Summer | C | 100 | | | | | | | | | |
| | | | S | | | 100 | | | | | | | |
| 2 | Kollam | Autumn | C | | | 80 | 20 | | | | | | |
| | | | S | | | 100 | | | | | | | |
| | | Winter | C | | | 100 | | | | | | | |
| | | | S | | | 100 | | | | | | | |
| | | Summer | C | | | 100 | | | | | | | |
| | | | S | | | 100 | | | | | | | |
| 3 | Pathanamthitta | Autumn | C | | | 66.67 | 33.33 | | | | | | |
| | | | S | | | 100 | | | | | | | |
| | | Winter | C | 33.33 | | 66.67 | | | | | | | |
| | | | S | | | 100 | | | | | | | |
| | | Summer | C | | | 66.67 | 33.33 | | | | | | |
| | | | S | | | 100 | | | | | | | |
| 4 | Alappuzha | Autumn | C | | | 66.67 | 33.33 | | | | | | |
| | | | S | | | | 66.67 | 33.33 | | | | | |
| | | Winter | C | | | 66.67 | 33.33 | | | | | | |
| | | | S | | | 100 | | | | | | | |
| | | Summer | C | | | 66.67 | 33.33 | | | | | | |
| | | | S | | | 100 | | | | | | | |
| 5 | Kottayam | Autumn | C | | | 100 | | | | | | | |
| | | | S | | | 100 | | | | | | | |
| | | Winter | C | | | 83.33 | 16.67 | | | | | | |
| | | | S | | | 100 | | | | | | | |
| | | Summer | C | | | 100 | | | | | | | |
| | | | S | | | 100 | | | | | | | |

Table 3 contd...

Table-3
TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2018-19

| 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 | | | 87.5 | 12.5 | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Winter | C | | | 75 | 25 | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Summer | C | | | 100 | | | | | | |
| | | | S | | | 100 | | | | | | |
| 7 | Ernakulam | Autumn | C | | | 60 | 40 | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Winter | C | | | 100 | | | | | | |
| | | | S | | | 80 | 20 | | | | | |
| | | Summer | C | 20 | | 40 | 40 | | | | | |
| | | | S | | | 100 | | | | | | |
| 8 | Thrissur | Autumn | C | | | 20 | 80 | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Winter | C | | | 100 | | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Summer | C | | | | 100 | | | | | |
| | | | S | | | 100 | | | | | | |
| 9 | Palakkad | Autumn | C | | | 100 | | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Winter | C | | | 100 | | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Summer | C | | | | 100 | | | | | |
| | | | S | | | 100 | | | | | | |
| 10 | Malappuram | Autumn | C | | | 100 | | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Winter | C | | | 100 | | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Summer | C | | | 100 | | | | | | |
| | | | S | | | 25 | 75 | | | | | |

Table-3 contd....

Table-3
TIMELINESS IN SUBMISSION OF EARAS STATEMENT DURING 2018-19

| Sl. No. | District | Season | Agency | Percentage of villages for which | | | | | | | | |
|---|-----------|---------------|--------|----------------------------------|----------------|----------------------------|----------------|--|----------------------------|-------------------------|--|--|
| | | | | EARAS Statement submitted | | | | | EARAS Statement submitted | | | |
| | | | | Without completing girdawari | | After completing girdawari | | Information regarding date of submission not known | Though girdawari completed | Girdawari not completed | Information regarding date of submission not known | |
| | | | | By due date | After due date | By due date | After due date | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 11 | Kozhikode | Autumn | C | | | 100 | | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Winter | C | | | 66.67 | 16.67 | 16.6 | | | | |
| | | | S | | | 100 | | | | | | |
| | | Summer | C | | | 100 | | | | | | |
| | | | S | | | 100 | | | | | | |
| 12 | Wayanad | Autumn | C | | | 80 | 20 | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Winter | C | 20 | | 80 | | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Summer | C | | | 80 | | 20 | | | | |
| | | | S | | | 100 | | | | | | |
| 13 | Kannur | Autumn | C | | | 100 | | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Winter | C | | | 57.14 | 42.86 | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Summer | C | | | 42.86 | 42.86 | 14.28 | | | | |
| | | | S | | | 100 | | | | | | |
| 14 | Kasaragod | Autumn | C | | | 100 | | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Winter | C | | | | 100 | | | | | |
| | | | S | | | 100 | | | | | | |
| | | Summer | C | | | | 100 | | | | | |
| | | | S | | | 100 | | | | | | |
| For District covered | | Autumn | C | | | 85 | 13.75 | 1.25 | | | | |
| | | | S | | | 96.25 | 2.5 | 1.25 | | | | |
| | | Winter | C | 3.75 | | 77.5 | 16.25 | 2.5 | | | | |
| | | | S | | | 98.75 | 1.25 | | | | | |
| | | Summer | C | 7.5 | | 57.5 | 32.5 | 2.5 | | | | |
| | | | S | | | 92.5 | 7.5 | | | | | |
| C-Central Sample S-State Sample | | | | | | | | | | | | |

Table-4
PERCENTAGE OF SURVEY NUMBERS IN WHICH ERRORS IN RECORDING CROP
AREAS WERE OBSERVED:2018-19

| Sl. No | District | Agency | Percentage of survey numbers with different types of errors in enumeration of area during | | | | | | | | | | | | |
|-------------------------------|--------------------|--|---|----------------|----------------|--|----------------|----------------|----------------|--|----------------|------------------|----------------|----------------|------|
| | | | AUTUMN | | | | WINTER | | | | SUMMER | | | | |
| | | | e ₀ | e ₁ | e ₂ | e ₃ | e ₀ | e ₁ | e ₂ | e ₃ | e ₀ | e ₁ | e ₂ | e ₃ | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| 1 | Thiruvananthapuram | C | 100 | | | | 100 | | | | 0 | | | | |
| | | S | 100 | | | | 100 | | | | 100 | | | | |
| 2 | Kollam | C | 100 | | | | 100 | | | | 100 | | | | |
| | | S | 100 | | | | 0 | | | | 100 | | | | |
| 3 | Pathanamthitta | C | 0 | | | | 100 | | | | 75 | 25 | | | |
| | | S | 0 | | 100 | | 0 | | | | 0 | | | | |
| 4 | Alappuzha | C | 100 | | | | 80 | | | 20 | 100 | | | | |
| | | S | 0 | | | | 100 | | | | 100 | | | | |
| 5 | Kottayam | C | 100 | | | | 100 | | | | 73.53 | | 11.76 | 14.71 | |
| | | S | 100 | | | | 94.59 | | | 5.41 | 100 | | | | |
| 6 | Idukki | C | 100 | | | | 96.67 | | | 3.33 | 0 | | | | |
| | | S | 0 | | | | 100 | | | | 0 | | | | |
| 7 | Ernakulam | C | 100 | | | | 100 | | | | 100 | | | | |
| | | S | 100 | | | | 80 | 10 | 10 | | 0 | | | | |
| 8 | Thrissur | C | 0 | | | | 100 | | | | 100 | | | | |
| | | S | 100 | | | | 86.36 | | | 13.64 | 100 | | | | |
| 9 | Palakkad | C | 100 | | | | 100 | | | | 100 | | | | |
| | | S | 100 | | | | 98.85 | | | 1.15 | 100 | | | | |
| 10 | Malappuram | C | 100 | | | | 60.42 | 6.25 | 12.5 | 20.83 | 91.67 | | | | 8.33 |
| | | S | 100 | | | | 75 | | | 25 | 100 | | | | |
| 11 | Kozhikode | C | 100 | | | | 100 | | | | 100 | | | | |
| | | S | 0 | | | | 86.67 | | | 13.33 | 0 | | | | |
| 12 | Wayanad | C | 0 | | | | 84.62 | | | 15.38 | 100 | | | | |
| | | S | 0 | | | | 100 | | | | 100 | | | | |
| 13 | Kannur | C | 100 | | | | 96.77 | | | 3.23 | 100 | | | | |
| | | S | 100 | | | | 100 | | | | 0 | | | | |
| 14 | Kasargod | C | 85.71 | | | 14.29 | 100 | | | | 0 | | | | |
| | | S | 100 | | | | 100 | | | | 100 | | | | |
| For District covered | | C | 99.45 | | | 0.55 | 91.67 | 0.89 | 1.79 | 5.65 | 91.27 | 0.79 | 3.17 | 4.76 | |
| | | S | 97.30 | | 2.70 | | 95.24 | 0.4 | 0.4 | 3.97 | 100 | | | | |
| | | | | | | | | | | | | 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 5(a)

**DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY
DURING 2018-19
AUTUMN**

| Sl. No. | District | Agency | Percentage of survey numbers in which particulars | | | | | | | | | | | | |
|-----------------------------|--------------------|--------|---|--------------|-------------|------------|-------------|---|------|-------|---------|----|----|-------|--|
| | | | Tallied | | | | Not Tallied | | | | | | | | |
| | | | | | | | Supervisor | | | | Patwari | | | | |
| | | | Hy &L | Hy | L | Total | Hy | L | NR | Total | Hy | L | NR | Total | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| 1 | Thiruvananthapuram | C | | 100 | | 100 | | | | | | | | | |
| | | S | | 76.19 | 23.81 | 100 | | | | | | | | | |
| 2 | Kollam | C | | 66.67 | 33.33 | 100 | | | | | | | | | |
| | | S | | 100 | | 100 | | | | | | | | | |
| 3 | Pathanamthitta | C | | 0 | | 0 | | | | | | | | | |
| | | S | | | | 100 | | | 100 | 100 | | | | | |
| 4 | Alappuzha | C | | 100 | | 100 | | | | | | | | | |
| | | S | | | | 0 | | | | | | | | | |
| 5 | Kottayam | C | | 100 | | 100 | | | | | | | | | |
| | | S | | 100 | | 100 | | | | | | | | | |
| 6 | Idukki | C | | 87.5 | 12.5 | 100 | | | | | | | | | |
| | | S | | | | 0 | | | | | | | | | |
| 7 | Ernakulam | C | | 100 | | 100 | | | | | | | | | |
| | | S | | 100 | | 100 | | | | | | | | | |
| 8 | Thrissur | C | | 0 | | 0 | | | | | | | | | |
| | | S | | 100 | | 100 | | | | | | | | | |
| 9 | Palakkad | C | | 100 | | 100 | | | | | | | | | |
| | | S | | 100 | | 100 | | | | | | | | | |
| 10 | Malappuram | C | | 100 | | 100 | | | | | | | | | |
| | | S | | 100 | | 100 | | | | | | | | | |
| 11 | Kozhikode | C | | 33.33 | 66.67 | 100 | | | | | | | | | |
| | | S | | 0 | | 0 | | | | | | | | | |
| 12 | Wayanad | C | | 0 | | 0 | | | | | | | | | |
| | | S | | 0 | | 0 | | | | | | | | | |
| 13 | Kannur | C | | 87.5 | 12.5 | 100 | | | | | | | | | |
| | | S | | 100 | | 100 | | | | | | | | | |
| 14 | Kasargod | C | | 100 | | 100 | | | | | | | | | |
| | | S | | 100 | | 100 | | | | | | | | | |
| For District Covered | | C | | 94.48 | 5.52 | 100 | | | | | | | | | |
| | | S | | 93.92 | 3.38 | 100 | | | 2.70 | 100 | | | | | |

C-Central Sample S-State Sample

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

Table-5(w)
DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF
PADDY DURING 2018-19
WINTER

| Sl. No. | District | Agency | Percentage of survey numbers in which particulars | | | | | | | | | | | |
|-----------------------------|--------------------|--------|---|-------|--------------|-------|-------------|----|------------|----|---------|----|------|----|
| | | | Tallied | | | | Not Tallied | | | | | | | |
| | | | Hy & L | Hy | L | Total | Supervisor | | | | Patwari | | | |
| Hy | L | NR | | | | | Total | Hy | L | NR | Total | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Thiruvananthapuram | C | | 100 | | 100 | | | | | | | | |
| | | S | | 100 | | 100 | | | | | | | | |
| 2 | Kollam | C | | | 100 | 100 | | | | | | | | |
| | | S | | | | 0 | | | | | | | | |
| 3 | Pathanamthitta | C | | 100 | | 100 | | | | | | | | |
| | | S | | | | 0 | | | | | | | | |
| 4 | Alappuzha | C | | 80 | 20 | 100 | | | | | | | | |
| | | S | | 100 | | 100 | | | | | | | | |
| 5 | Kottayam | C | | 77.78 | 22.22 | 100 | | | | | | | | |
| | | S | | 100 | | 100 | | | | | | | | |
| 6 | Idukki | C | | 96.67 | 3.33 | 100 | | | | | | | | |
| | | S | | 37.5 | 62.5 | 100 | | | | | | | | |
| 7 | Ernakulam | C | | 100 | | 100 | | | | | | | | |
| | | S | | 55.56 | 33.33 | 100 | 11.11 | | | | | | | |
| 8 | Thrissur | C | | 100 | | 100 | | | | | | | | |
| | | S | | 77.27 | 22.73 | 100 | | | | | | | | |
| 9 | Palakkad | C | | 99.01 | 0.99 | 100 | | | | | | | | |
| | | S | | 87.36 | 12.64 | 100 | | | | | | | | |
| 10 | Malappuram | C | | 77.08 | 4.17 | 100 | 10.42 | | 2.08 | | | | 6.25 | |
| | | S | | 62.5 | 37.5 | 100 | | | | | | | | |
| 11 | Kozhikode | C | | 18.75 | 81.25 | 100 | | | | | | | | |
| | | S | | | 100 | 100 | | | | | | | | |
| 12 | Wayanad | C | | 97.44 | 2.56 | 100 | | | | | | | | |
| | | S | | 83.33 | 16.67 | 100 | | | | | | | | |
| 13 | Kannur | C | | 51.61 | 48.39 | 100 | | | | | | | | |
| | | S | | 100 | | 100 | | | | | | | | |
| 14 | Kasargod | C | | 60 | 40 | 100 | | | | | | | | |
| | | S | | 16.67 | 83.33 | 100 | | | | | | | | |
| For District covered | | C | | 80.65 | 16.67 | 100 | 1.49 | | 0.3 | | | | 0.89 | |
| | | S | | 78.26 | 21.34 | 100 | 0.4 | | | | | | | |

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

Table-5(S)
DISCREPANCIES IN RECORDING SEED VARIETY PARTICULARS OF PADDY DURING
2018-19
SUMMER

| Sl. No. | District | Agency | Percentage of survey numbers in which particulars | | | | | | | | | | | |
|-----------------------------|--------------------|--------|---|-------|-----|-------|-------------|--|-------|--|---------|-----|--|--|
| | | | Tallied | | | | Not Tallied | | | | | | | |
| | | | Hy & L | Hy | L | Total | Supervisor | | | | Patwari | | | |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | | | | | | |
| 1 | Thiruvananthapuram | C | | | | 0 | | | | | | | | |
| | | S | 100 | | | 100 | | | | | | | | |
| 2 | Kollam | C | 100 | | | 100 | | | | | | | | |
| | | S | | | 100 | 100 | | | | | | | | |
| 3 | Pathanamthitta | C | 75 | | | 100 | | | | | | 25 | | |
| | | S | | | | 0 | | | | | | | | |
| 4 | Alappuzha | C | 100 | | | 100 | | | | | | | | |
| | | S | 100 | | | 100 | | | | | | | | |
| 5 | Kottayam | C | 88.24 | | | 100 | | | 11.76 | | | | | |
| | | S | 100 | | | 100 | | | | | | | | |
| 6 | Idukki | C | | | | 0 | | | | | | | | |
| | | S | | | | 0 | | | | | | | | |
| 7 | Ernakulam | C | 100 | | | 100 | | | | | | | | |
| | | S | | | | 0 | | | | | | | | |
| 8 | Thrissur | C | 100 | | | 100 | | | | | | | | |
| | | S | 100 | | | 100 | | | | | | | | |
| 9 | Palakkad | C | 100 | | | 100 | | | | | | | | |
| | | S | 100 | | | 100 | | | | | | | | |
| 10 | Malappuram | C | 100 | | | 100 | | | | | | | | |
| | | S | 100 | | | 100 | | | | | | | | |
| 11 | Kozhikode | C | 100 | | | 100 | | | | | | | | |
| | | S | | | | 0 | | | | | | | | |
| 12 | Wayanad | C | 66.67 | 33.33 | | 100 | | | | | | | | |
| | | S | 100 | | | 100 | | | | | | | | |
| 13 | Kannur | C | | | 100 | 100 | | | | | | | | |
| | | S | | | | 0 | | | | | | | | |
| 14 | Kasargod | C | | | | 100 | | | | | | | | |
| | | S | | | 100 | 100 | | | | | | | | |
| For District covered | | C | 93.65 | 2.38 | | 100 | | | 3.17 | | | 0.8 | | |
| | | S | 93.10 | 6.9 | | 100 | | | | | | | | |

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

Table-6
RESPONSE IN SAMPLE CHECK ON CROP CUTTING EXPERIMENTS FOR PADDY
DURING 2018-19

| Sl. No. | District | Agency | AUTUMN | | WINTER | | SUMMER | | ANNUAL | |
|----------------------|--------------------|--------|---------------------|---------------|---------------------|---------------|---------------------|---------------|---------------------|---------------|
| | | | No of Expts Planned | % of Response | No of Expts Planned | % of Response | No of Expts Planned | % of Response | No of Expts Planned | % of Response |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | Thiruvananthapuram | C | 8 | 100 | 8 | 100 | 8 | 100 | 24 | 100 |
| | | S | 8 | 100 | 8 | 100 | 8 | 100 | 24 | 100 |
| 2 | Kollam | C | 6 | 100 | 6 | 100 | 6 | 100 | 18 | 100 |
| | | S | 6 | 100 | 6 | 100 | 6 | 100 | 18 | 100 |
| 3 | Pathanamthitta | C | 6 | 83.33 | 6 | 100 | 6 | 100 | 18 | 94.44 |
| | | S | 6 | 0 | 6 | 100 | 6 | 100 | 18 | 66.67 |
| 4 | Alappuzha | C | 8 | 100 | 8 | 100 | 8 | 100 | 24 | 100 |
| | | S | 8 | 25 | 8 | 100 | 8 | 100 | 24 | 66.67 |
| 5 | Kottayam | C | 6 | 100 | 6 | 100 | 6 | 100 | 18 | 100 |
| | | S | 6 | 66.67 | 6 | 100 | 6 | 100 | 18 | 88.89 |
| 6 | Idukki | C | 4 | 100 | 4 | 100 | 4 | 100 | 12 | 100 |
| | | S | 4 | 100 | 4 | 100 | 4 | 100 | 12 | 100 |
| 7 | Ernakulam | C | 10 | 100 | 10 | 100 | 10 | 100 | 30 | 100 |
| | | S | 10 | 100 | 10 | 100 | 10 | 100 | 30 | 100 |
| 8 | Thrissur | C | 8 | 100 | 8 | 100 | 8 | 100 | 24 | 100 |
| | | S | 8 | 100 | 8 | 100 | 8 | 100 | 24 | 100 |
| 9 | Palakkad | C | 10 | 100 | 10 | 100 | 10 | 100 | 30 | 100 |
| | | S | 10 | 100 | 10 | 100 | 10 | 100 | 30 | 100 |
| 10 | Malappuram | C | 10 | 100 | 10 | 100 | 10 | 100 | 30 | 100 |
| | | S | 10 | 100 | 10 | 100 | 10 | 100 | 30 | 100 |
| 11 | Kozhikode | C | 8 | 150 | 8 | 100 | 8 | 100 | 24 | 116.67 |
| | | S | 8 | 150 | 8 | 100 | 8 | 100 | 24 | 116.67 |
| 12 | Wayanad | C | 4 | - | 4 | 100 | 4 | 100 | 12 | 66.67 |
| | | S | 4 | - | 4 | 100 | 4 | 100 | 12 | 66.67 |
| 13 | Kannur | C | 8 | 100 | 8 | 100 | 8 | 100 | 24 | 100 |
| | | S | 8 | 100 | 8 | 100 | 8 | 100 | 24 | 100 |
| 14 | Kasargod | C | 4 | 100 | 4 | 100 | 4 | 100 | 12 | 100 |
| | | S | 4 | 100 | 4 | 100 | 4 | 100 | 12 | 100 |
| For District covered | | C | 100 | 99 | 100 | 100 | 100 | 100 | 300 | 99.67 |
| | | S | 100 | 86 | 100 | 100 | 100 | 100 | 300 | 95.33 |

Table-7(i)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2018-19

| Rice-Autumn | | | | | | | |
|-------------|--------------------|--------|-----|----|--|-------|-------|
| Sl. No. | District | Agency | H/T | | Percentage of Experiments under various inputs for crops | | |
| | | | | | I | HYV | F |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | C | H | 8 | 100 | 100 | 50 |
| | | S | | 8 | 100 | 100 | 75 |
| | | C | T | 8 | 100 | 100 | 50 |
| | | S | | 8 | 100 | 100 | 75 |
| 2 | Kollam | C | H | 6 | | 100 | 50 |
| | | S | | 6 | | 100 | 50 |
| | | C | T | 6 | | 100 | 50 |
| | | S | | 6 | | 100 | 50 |
| 3 | Pathanamthitta | C | H | 5 | 60 | 100 | 100 |
| | | S | | - | - | - | - |
| | | C | T | 6 | 50 | 83.33 | 83.33 |
| | | S | | 6 | - | - | - |
| 4 | Alappuzha | C | H | 8 | 50 | 75 | 50 |
| | | S | | 2 | - | 25 | - |
| | | C | T | 8 | 50 | 75 | 50 |
| | | S | | 8 | | 25 | |
| 5 | Kottayam | C | H | 6 | 66.67 | 66.67 | 100 |
| | | S | | 4 | 33.33 | 66.67 | 66.67 |
| | | C | T | 6 | 66.67 | 66.67 | 100 |
| | | S | | 6 | 50 | 100 | 100 |
| 6 | Idukki | C | H | 4 | 100 | 50 | 75 |
| | | S | | 4 | 100 | 100 | 100 |
| | | C | T | 4 | 100 | 50 | 75 |
| | | S | | 4 | 100 | 100 | 100 |
| 7 | Ernakulam | C | H | 10 | 60 | 60 | 60 |
| | | S | | 10 | 40 | 100 | 90 |
| | | C | T | 10 | 60 | 60 | 60 |
| | | S | | 10 | 40 | 100 | 90 |
| 8 | Thrissur | C | H | 8 | | 100 | 87.5 |
| | | S | | 8 | 12.5 | 100 | 87.5 |
| | | C | T | 8 | | 100 | 87.5 |
| | | S | | 8 | 12.5 | 100 | 87.5 |

Table-7(i) contd...

Table-7(i)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2018-19
Rice-Autumn

| Sl. No. | District | Agency | H/T | | Percentage of Experiments under various inputs for crops | | |
|---------|----------------------|--------|-----|-----|--|-------|-------|
| | | | | | I | HYV | F |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | Palakkad | C | H | 10 | 40 | 100 | 100 |
| | | S | | 10 | | 90 | 60 |
| | | C | T | 10 | 40 | 100 | 100 |
| | | S | | 10 | | 90 | 60 |
| 10 | Malappuram | C | H | 10 | 30 | 100 | 50 |
| | | S | | 10 | 20 | 90 | 100 |
| | | C | T | 10 | 30 | 100 | 50 |
| | | S | | 10 | 20 | 90 | 100 |
| 11 | Kozhikode | C | H | 12 | | 83.33 | 58.33 |
| | | S | | 12 | | 75 | 41.67 |
| | | C | T | 8 | | 83.33 | 58.33 |
| | | S | | 8 | | 75 | 41.67 |
| 12 | Wayanad | C | H | 0 | | | |
| | | S | | 0 | | | |
| | | C | T | 4 | | | |
| | | S | | 4 | | | |
| 13 | Kannur | C | H | 8 | | 100 | 87.5 |
| | | S | | 8 | | 62.5 | 62.5 |
| | | C | T | 8 | | 100 | 87.5 |
| | | S | | 8 | | 62.5 | 62.5 |
| 14 | Kasargod | C | H | 4 | | 75 | 100 |
| | | S | | 4 | | 100 | |
| | | C | T | 4 | | 75 | 100 |
| | | S | | 4 | | 100 | |
| | For District covered | C | H | 99 | 36.36 | 86.87 | 71.72 |
| | | S | | 86 | 24.42 | 90.7 | 68.60 |
| | | C | T | 100 | 36.36 | 86.87 | 71.72 |
| | | S | | 100 | 24.42 | 90.7 | 68.60 |

*In state sample 14 experiments lost due to flood.

In central sample 1 experiment lost due to flood in Pathanamthitta district.

Table-7(ii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO
IMPORTANT INPUTS DURING 2018-19
Rice-Winter

| Sl. No. | District | Agency | H/T | | Percentage of Experiments under various inputs for crops | | |
|---------|--------------------|--------|-----|----|--|-------|-------|
| | | | | | I | HYV | F |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | C | H | 8 | 100 | 100 | 100 |
| | | S | | 8 | 100 | 100 | 100 |
| | | C | T | 8 | 100 | 100 | 100 |
| | | S | | 8 | 100 | 100 | 100 |
| 2 | Kollam | C | H | 6 | 16.67 | 66.67 | 33.33 |
| | | S | | 6 | 66.67 | 83.33 | 50 |
| | | C | T | 6 | 16.67 | 66.67 | 33.33 |
| | | S | | 6 | 66.67 | 83.33 | 50 |
| 3 | Pathanamthitta | C | H | 6 | 100 | 100 | 100 |
| | | S | | 6 | 100 | 100 | 100 |
| | | C | T | 6 | 100 | 100 | 100 |
| | | S | | 6 | 100 | 100 | 100 |
| 4 | Alappuzha | C | H | 8 | 50 | 50 | 50 |
| | | S | | 8 | 100 | 100 | 87.5 |
| | | C | T | 8 | 50 | 50 | 50 |
| | | S | | 8 | 100 | 100 | 87.5 |
| 5 | Kottayam | C | H | 6 | 66.67 | 100 | 100 |
| | | S | | 6 | 100 | 100 | 100 |
| | | C | T | 6 | 66.67 | 100 | 100 |
| | | S | | 6 | 100 | 100 | 100 |
| 6 | Idukki | C | H | 4 | 100 | 100 | 100 |
| | | S | | 4 | 100 | 50 | 100 |
| | | C | T | 4 | 100 | 100 | 100 |
| | | S | | 4 | 100 | 50 | 100 |
| 7 | Ernakulam | C | H | 10 | 100 | 100 | 90 |
| | | S | | 10 | 100 | 100 | 100 |
| | | C | T | 10 | 100 | 100 | 90 |
| | | S | | 10 | 100 | 100 | 100 |
| 8 | Thrissur | C | H | 8 | 100 | 100 | 100 |
| | | S | | 8 | 100 | 100 | 100 |
| | | C | T | 8 | 100 | 100 | 100 |
| | | S | | 8 | 100 | 100 | 100 |

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

Table-7(ii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2018-19
Rice-Winter

| Sl. No. | District | Agency | H/T | | Percentage of Experiments under various inputs for crops | | |
|-----------------------|------------|--------|-----|-----|--|------|------|
| | | | | | I | HYV | F |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | Palakkad | C | H | 10 | 100 | 100 | 100 |
| | | S | | 10 | 90 | 80 | 100 |
| | | C | T | 10 | 100 | 100 | 100 |
| | | S | | 10 | 90 | 80 | 100 |
| 10 | Malappuram | C | H | 10 | 60 | 90 | 70 |
| | | S | | 10 | 70 | 70 | 80 |
| | | C | T | 10 | 60 | 90 | 70 |
| | | S | | 10 | 70 | 70 | 80 |
| 11 | Kozhikode | C | H | 8 | | | 37.5 |
| | | S | | 8 | 25 | 25 | 25 |
| | | C | T | 8 | | | 37.5 |
| | | S | | 8 | 25 | 25 | 25 |
| 12 | Wayanad | C | H | 4 | 50 | 100 | 100 |
| | | S | | 4 | 100 | 75 | 100 |
| | | C | T | 4 | 50 | 100 | 100 |
| | | S | | 4 | 100 | 75 | 100 |
| 13 | Kannur | C | H | 8 | 100 | 62.5 | 75 |
| | | S | | 8 | 75 | 62.5 | 75 |
| | | C | T | 8 | 100 | 62.5 | 75 |
| | | S | | 8 | 75 | 62.5 | 75 |
| 14 | Kasargod | C | H | 4 | 100 | 75 | 100 |
| | | S | | 4 | 100 | 75 | 50 |
| | | C | T | 4 | 100 | 75 | 100 |
| | | S | | 4 | 100 | 75 | 50 |
| For Districts covered | | C | H | 100 | 75 | 81 | 81 |
| | | S | | 100 | 86 | 81 | 84 |
| | | C | T | 100 | 75 | 81 | 81 |
| | | S | | 100 | 86 | 81 | 84 |

Table-7(iii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2018-19
Rice-Summer

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

Table 7(iii) contd....

Table-7(iii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2018-19
Rice-Summer

| Sl. No. | District | Agency | H/T | | Percentage of Experiments under various inputs for crops | | |
|----------------------|------------|--------|-----|-----|--|-----|------|
| | | | | | I | HYV | F |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | Palakkad | C | H | 10 | 100 | 100 | 80 |
| | | S | | 10 | 100 | 100 | 100 |
| | | C | T | 10 | 100 | 100 | 80 |
| | | S | | 10 | 100 | 100 | 100 |
| 10 | Malappuram | C | H | 10 | 80 | 100 | 100 |
| | | S | | 10 | 100 | 80 | 100 |
| | | C | T | 10 | 80 | 100 | 100 |
| | | S | | 10 | 100 | 80 | 100 |
| 11 | Kozhikode | C | H | 8 | 75 | 75 | 87.5 |
| | | S | | 8 | 75 | 75 | 50 |
| | | C | T | 8 | 75 | 75 | 87.5 |
| | | S | | 8 | 75 | 75 | 50 |
| 12 | Wayanad | C | H | 4 | 75 | 100 | 75 |
| | | S | | 4 | 100 | 100 | 100 |
| | | C | T | 4 | 75 | 100 | 75 |
| | | S | | 4 | 100 | 100 | 100 |
| 13 | Kannur | C | H | 8 | 100 | 100 | 62.5 |
| | | S | | 8 | 100 | 100 | 87.5 |
| | | C | T | 8 | 100 | 100 | 62.5 |
| | | S | | 8 | 100 | 100 | 87.5 |
| 14 | Kasargod | C | H | 4 | 100 | 100 | 100 |
| | | S | | 4 | 100 | 75 | 50 |
| | | C | T | 4 | 100 | 100 | 100 |
| | | S | | 4 | 100 | 75 | 50 |
| For District covered | | C | H | 100 | 94 | 96 | 89 |
| | | S | | 100 | 98 | 92 | 89 |
| | | C | T | 100 | 94 | 96 | 89 |
| | | S | | 100 | 98 | 92 | 89 |

Table-7(iv)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2018-19
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 | | 25 | |
| | | S | | 4 | 25 | 75 | |
| | | C | T | 4 | | 25 | |
| | | S | | 4 | 25 | 75 | |
| 2 | Kollam | C | H | 4 | | | |
| | | S | | 4 | 50 | 25 | 25 |
| | | C | T | 4 | | | |
| | | S | | 4 | 50 | 25 | 25 |
| 3 | Pathanamthitta | C | H | | | | |
| | | S | | | | | |
| | | C | T | | | | |
| | | S | | | | | |
| 4 | Alappuzha | C | H | | | | |
| | | S | | | | | |
| | | C | T | | | | |
| | | S | | | | | |
| 5 | Kottayam | C | H | 4 | | 50 | 50 |
| | | S | | 4 | | 50 | 25 |
| | | C | T | 4 | | 50 | 50 |
| | | S | | 4 | | 50 | 25 |
| 6 | Idukki | C | H | | | | |
| | | S | | | | | |
| | | C | T | | | | |
| | | S | | | | | |
| 7 | Ernakulam | C | H | 4 | 50 | 50 | 50 |
| | | S | | 4 | | 75 | 25 |
| | | C | T | 4 | 50 | 50 | 50 |
| | | S | | 4 | | 75 | 25 |
| 8 | Thrissur | C | H | 4 | 75 | 25 | |
| | | S | | 4 | 75 | 25 | |
| | | C | T | 4 | 75 | 25 | |
| | | S | | 4 | 75 | 25 | |

To be contd.....

Table-7(iv)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2018-19
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 | 75 | 50 |
| | | S | | 4 | 50 | 75 | |
| | | C | T | 4 | 75 | 75 | 50 |
| | | S | | 4 | 50 | 75 | |
| 10 | Malappuram | C | H | 4 | 25 | 50 | 50 |
| | | S | | 4 | 75 | 25 | 25 |
| | | C | T | 4 | 25 | 50 | 50 |
| | | S | | 4 | 75 | 25 | 25 |
| 11 | Kozhikode | C | H | 4 | 75 | 75 | 25 |
| | | S | | 4 | 50 | | 50 |
| | | C | T | 4 | 75 | 75 | 25 |
| | | S | | 4 | 50 | | 50 |
| 12 | Wayanad | C | H | | | | |
| | | S | | | | | |
| | | C | T | | | | |
| | | S | | | | | |
| 13 | Kannur | C | H | 4 | 50 | | |
| | | S | | 4 | | | |
| | | C | T | 4 | 50 | | |
| | | S | | 4 | | | |
| 14 | Kasargod | C | H | 4 | | | 25 |
| | | S | | 4 | | | |
| | | C | T | 4 | | | 25 |
| | | S | | 4 | | | |
| For District covered | | C | H | 40 | 35 | 35 | 25 |
| | | S | | 40 | 32.5 | 35 | 15 |
| | | C | T | 40 | 35 | 35 | 25 |
| | | S | | 40 | 32.5 | 35 | 15 |

Table-7(v)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2018-19
Pepper

| Sl. No. | District | Agency | H/T | | Percentage of Experiments under various inputs for crops | | |
|-----------------|--------------------|--------|-----|---|--|-----|---|
| | | | | | I | HYV | F |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | C | H | 4 | | | |
| | | S | | 4 | | 50 | |
| | | C | T | 4 | | | |
| | | S | | 4 | | 50 | |
| 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 | | | |
| | | S | | 4 | | 50 | |
| | | C | T | 4 | | | |
| | | S | | 4 | | 50 | |
| 6 | Idukki | C | H | | | | |
| | | S | | | | | |
| | | C | T | | | | |
| | | S | | | | | |
| 7 | Ernakulam | C | H | 4 | | 25 | |
| | | S | | 4 | | 50 | |
| | | C | T | 4 | | 25 | |
| | | S | | 4 | | 50 | |
| 8 | Thrissur | C | H | 4 | 75 | 25 | |
| | | S | | 4 | 75 | 50 | |
| | | C | T | 4 | 75 | 25 | |
| | | S | | 4 | 75 | 50 | |
| To be contd.... | | | | | | | |

Table-7(v)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2018-19
Pepper

| Sl. No. | District | Agency | H/T | | Percentage of Experiments under various inputs for crops | | |
|----------------------|------------|--------|-----|----|--|------|---|
| | | | | | I | HYV | F |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | Palakkad | C | H | 4 | 50 | 50 | |
| | | S | | 4 | 25 | 75 | |
| | | C | T | 4 | 50 | 50 | |
| | | S | | 4 | 25 | 75 | |
| 10 | Malappuram | C | H | 4 | 50 | 50 | |
| | | S | | 4 | 50 | 25 | |
| | | C | T | 4 | 50 | 50 | |
| | | S | | 4 | 50 | 25 | |
| 11 | Kozhikode | C | H | 4 | 50 | 25 | |
| | | S | | 4 | | | |
| | | C | T | 4 | 50 | 25 | |
| | | S | | 4 | | | |
| 12 | Wayanad | C | H | | | | |
| | | S | | | | | |
| | | C | T | | | | |
| | | S | | | | | |
| 13 | Kannur | C | H | 4 | 75 | 50 | |
| | | S | | 4 | | 50 | |
| | | C | T | 4 | 75 | 50 | |
| | | S | | 4 | | 50 | |
| 14 | Kasargod | C | H | 4 | | | |
| | | S | | 4 | 100 | 25 | |
| | | C | T | 4 | | | |
| | | S | | 4 | 100 | 25 | |
| For District covered | | C | H | 40 | 30 | 22.5 | |
| | | S | | 40 | 25 | 37.5 | |
| | | C | T | 40 | 30 | 22.5 | |
| | | S | | 40 | 25 | 37.5 | |

Table-7(vi)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2018-19
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 | 25 | 100 |
| | | S | | 4 | 100 | | 50 |
| | | C | T | 4 | 75 | 25 | 100 |
| | | S | | 4 | 100 | | 50 |
| 2 | Kollam | C | H | 4 | 50 | | 25 |
| | | S | | 4 | 50 | | 25 |
| | | C | T | 4 | 50 | | 25 |
| | | S | | 4 | 50 | | 25 |
| 3 | Pathanamthitta | C | H | 4 | 50 | | 100 |
| | | S | | 3 | 75 | | 50 |
| | | C | T | 4 | 50 | | 100 |
| | | S | | 4 | 75 | | 50 |
| 4 | Alappuzha | C | H | 4 | 50 | | |
| | | S | | 4 | 100 | | 50 |
| | | C | T | 4 | 50 | | |
| | | S | | 4 | 100 | | 50 |
| 5 | Kottayam | C | H | 4 | 50 | | 100 |
| | | S | | 4 | 100 | | 75 |
| | | C | T | 4 | 50 | | 100 |
| | | S | | 4 | 100 | | 75 |
| 6 | Idukki | C | H | | | | |
| | | S | | | | | |
| | | C | T | | | | |
| | | S | | | | | |
| 7 | Ernakulam | C | H | 4 | | | 50 |
| | | S | | 4 | 100 | | 75 |
| | | C | T | 4 | | | 50 |
| | | S | | 4 | 100 | | 75 |
| 8 | Thrissur | C | H | 4 | 100 | | 75 |
| | | S | | 4 | 100 | | 50 |
| | | C | T | 4 | 100 | | 75 |
| | | S | | 4 | 100 | | 50 |

Table-7(vi) contd...

Table-7(vi)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2018-19
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 | 66.67 | 100 |
| | | S | | 6 | 83.33 | 16.67 | 50 |
| | | C | T | 6 | 100 | 66.67 | 100 |
| | | S | | 6 | 83.33 | 16.67 | 50 |
| 10 | Malappuram | C | H | 4 | 75 | | 100 |
| | | S | | 4 | 100 | 25 | 100 |
| | | C | T | 4 | 75 | | 100 |
| | | S | | 4 | 100 | 25 | 100 |
| 11 | Kozhikode | C | H | 4 | 75 | | 75 |
| | | S | | 4 | 100 | | 100 |
| | | C | T | 4 | 75 | | 75 |
| | | S | | 4 | 100 | | 100 |
| 12 | Wayanad | C | H | | | | |
| | | S | | | | | |
| | | C | T | | | | |
| | | S | | | | | |
| 13 | Kannur | C | H | 4 | 50 | | 75 |
| | | S | | 4 | 100 | | 25 |
| | | C | T | 4 | 50 | | 75 |
| | | S | | 4 | 100 | | 25 |
| 14 | Kasargod | C | H | 4 | 75 | 25 | 75 |
| | | S | | 4 | 75 | | 50 |
| | | C | T | 4 | 75 | 25 | 75 |
| | | S | | 4 | 75 | | 50 |
| For District covered | | C | H | 50 | 64 | 12 | 74 |
| | | S | | 49 | 83.67 | 4.08 | 59.18 |
| | | C | T | 50 | 64 | 12 | 74 |
| | | S | | 49 | 83.67 | 4.08 | 59.18 |

Table-7(vii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2018-19
Coconut

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

Table-7(vii) contd....

Table-7(vii)
DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING
TO IMPORTANT INPUTS DURING 2018-19
Coconut

| Sl. No. | District | Agency | H/T | | Percentage of Experiments under various inputs for crops | | |
|----------------------|------------|--------|-----|----|--|-----|-------|
| | | | | | I | HYV | F |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | Palakkad | C | H | 6 | 33.33 | | 16.67 |
| | | S | | 6 | 83.33 | | |
| | | C | T | 6 | 33.33 | | 16.67 |
| | | S | | 6 | 83.33 | | |
| 10 | Malappuram | C | H | 4 | 25 | | 25 |
| | | S | | 4 | 75 | | |
| | | C | T | 4 | 25 | | 25 |
| | | S | | 4 | 75 | | |
| 11 | Kozhikode | C | H | 4 | | | |
| | | S | | 4 | | | |
| | | C | T | 4 | | | |
| | | S | | 4 | | | |
| 12 | Wayanad | C | H | | | | |
| | | S | | | | | |
| | | C | T | | | | |
| | | S | | | | | |
| 13 | Kannur | C | H | 4 | 50 | | 25 |
| | | S | | 4 | | | |
| | | C | T | 4 | 50 | | 25 |
| | | S | | 4 | | | |
| 14 | Kasargod | C | H | 4 | 50 | | |
| | | S | | 4 | 100 | | |
| | | C | T | 4 | 50 | | |
| | | S | | 4 | 100 | | |
| For District covered | | C | H | 50 | 30 | | 14 |
| | | S | | 50 | 28 | 2 | |
| | | C | T | 50 | 30 | | 14 |
| | | S | | 50 | 28 | 2 | |

| Table-7(viii) | | | | | | | |
|--|--------------------|--------|-----|---|--|-----|---|
| DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2018-19 | | | | | | | |
| 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 | | | |
| | | S | | 4 | 50 | | |
| | | C | T | 4 | | | |
| | | S | | 4 | 50 | | |
| 6 | Idukki | C | H | | | | |
| | | S | | | | | |
| | | C | T | | | | |
| | | S | | | | | |
| 7 | Ernakulam | C | H | 4 | | | |
| | | S | | 4 | | | |
| | | C | T | 4 | | | |
| | | S | | 4 | | | |
| 8 | Thrissur | C | H | 4 | 100 | | |
| | | S | | 4 | 100 | 50 | |
| | | C | T | 4 | 100 | | |
| | | S | | 4 | 100 | 50 | |

Table 7(iii) contd...

| Table-7(viii) | | | | | | | |
|--|------------|--------|-----|----|--|------|----|
| DISTRIBUTION OF NUMBER OF EXPERIMENTS CONDUCTED ACCORDING TO IMPORTANT INPUTS DURING 2018-19 | | | | | | | |
| Arecanut | | | | | | | |
| Sl. No. | District | Agency | H/T | | Percentage of Experiments under various inputs for crops | | |
| | | | | | I | HYV | F |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | Palakkad | C | H | 4 | 100 | 50 | 50 |
| | | S | | 4 | 50 | 25 | |
| | | C | T | 4 | 100 | 50 | 50 |
| | | S | | 4 | 50 | 25 | |
| 10 | Malappuram | C | H | 4 | 25 | 75 | |
| | | S | | 4 | 50 | | |
| | | C | T | 4 | 25 | 75 | |
| | | S | | 4 | 50 | | |
| 11 | Kozhikode | C | H | 4 | 25 | | |
| | | S | | 4 | | 25 | |
| | | C | T | 4 | 25 | | |
| | | S | | 4 | | 25 | |
| 12 | Wayanad | C | H | | | | |
| | | S | | | | | |
| | | C | T | | | | |
| | | S | | | | | |
| 13 | Kannur | C | H | 4 | | | |
| | | S | | 4 | | 25 | |
| | | C | T | 4 | | | |
| | | S | | 4 | | 25 | |
| 14 | Kasargod | C | H | 4 | 100 | | |
| | | S | | 4 | 100 | 25 | |
| | | C | T | 4 | 100 | | |
| | | S | | 4 | 100 | 25 | |
| For District covered | | C | H | 40 | 35 | 12.5 | 5 |
| | | S | | 40 | 30 | 20 | |
| | | C | T | 40 | 35 | 12.5 | 5 |
| | | S | | 40 | 30 | 20 | |

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| Table 8(i) | | | | | | | |
|---|--------------------|----------------------|--------------------|---------------------|-----------|-----------------------|--------------------------------------|
| CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED | | | | | | | |
| STATE: KERALA | | SEASON:AUTUMN | | YEAR:2018-19 | | CROP:PADDY | |
| Sl. No. | District | No. of Experiments | | At post harvest | Lost | Rejected for analysis | For which schedules are not received |
| | | Planned | Checked at harvest | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | 8 | 8 | | | | |
| 2 | Kollam | 6 | 6 | | | | |
| 3 | Pathanamthitta | 6 | - | | 6 | | |
| 4 | Alappuzha | 8 | 2 | | 6 | | |
| 5 | Kottayam | 6 | 4 | | 2 | | |
| 6 | Idukki | 4 | 4 | | | | |
| 7 | Ernakulam | 10 | 10 | | | | |
| 8 | Thrissur | 8 | 8 | | | | |
| 9 | Palakkad | 10 | 10 | | | | |
| 10 | Malappuram | 10 | 10 | | | | |
| 11 | Kozhikode | 8 | 12 | | | | |
| 12 | Wayanad | 4 | - | | | | |
| 13 | Kannur | 8 | 8 | | | | |
| 14 | Kasargod | 4 | 4 | | | | |
| Total for all crops | | 100 | 86 | | 14 | | |
| *In wayanad district Autumn Paddy is nil. | | | | | | | |
| * 14 experiments lost due to flood | | | | | | | |

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| Table 8(ii) | | | | | | | |
|---|--------------------|----------------------|--------------------|-------------------|----------|-----------------------|--------------------------------------|
| CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED | | | | | | | |
| STATE: KERALA | | SEASON:AUTUMN | | CROP:PADDY | | | |
| Sl. No. | District | No. of Experiments | | At post harvest | Lost | Rejected for analysis | For which schedules are not received |
| | | Planned | Checked at harvest | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | 8 | 8 | | | | |
| 2 | Kollam | 6 | 6 | | | | |
| 3 | Pathanamthitta | 6 | 5 | | 1 | | |
| 4 | Alappuzha | 8 | 8 | | | | |
| 5 | Kottayam | 6 | 6 | | | | |
| 6 | Idukki | 4 | 4 | | | | |
| 7 | Ernakulam | 10 | 10 | | | | |
| 8 | Thrissur | 8 | 8 | | | | |
| 9 | Palakkad | 10 | 10 | | | | |
| 10 | Malappuram | 10 | 10 | | | | |
| 11 | Kozhikode | 8 | 12 | | | | |
| 12 | Wayanad | 4 | * | | | | |
| 13 | Kannur | 8 | 8 | | | | |
| 14 | Kasargod | 4 | 4 | | | | |
| Total for all crops | | 100 | 99 | | 1 | | |

*Autumn Paddy is nil in Wayanad district. It is being substituted to Kozhikode district.
In Pathanamthitta district **one** experiment lost due to flood.

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

STATE: KERALA

YEAR: 2018-19

SEASON: AUTUMN PADDY

STATE SAMPLE

| Sl. No. | District | No. of expts. Checked at harvest | HY varieties | | | | | | Other varieties | | | | | | Both HY & Others | | | | | |
|--------------------|--------------------|----------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|-----------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|
| | | | Irrigated | | Un-irrigated | | Total | | Irrigated | | Un-irrigated | | Total | | Irrigated | | Un-irrigated | | Total | |
| | | | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 1 | Thiruvananthapuram | 8 | 8 | 2869.05 | 0 | 0 | 8 | 2869.05 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 2869.05 | 0 | 0 | 8 | 2869.05 |
| 2 | Kollam | 6 | 0 | 0 | 6 | 2051.52 | 6 | 2051.52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2051.52 | 6 | 2051.52 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 2 | 0 | 0 | 2 | 3566.09 | 2 | 3566.09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3566.09 | 2 | 3566.09 |
| 5 | Kottayam | 4 | 2 | 884.64 | 2 | 3343.39 | 4 | 2114.02 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 884.64 | 2 | 3343.39 | 4 | 2114.02 |
| 6 | Idukki | 4 | 4 | 2026.19 | 0 | 0 | 4 | 2026.19 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2026.19 | 0 | 0 | 4 | 2026.19 |
| 7 | Ernakulam | 10 | 4 | 3932.55 | 6 | 1587.24 | 10 | 2525.37 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3932.55 | 6 | 1587.24 | 10 | 2525.37 |
| 8 | Thrissur | 8 | 1 | 3014.6 | 7 | 2182.42 | 8 | 2286.45 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3014.6 | 7 | 2182.42 | 8 | 2286.45 |
| 9 | Palakkad | 10 | 0 | 0 | 9 | 2872.47 | 9 | 2872.47 | 0 | 0 | 1 | 2530.6 | 1 | 2530.6 | 0 | 0 | 10 | 2888.28 | 10 | 2838.28 |
| 10 | Malappuram | 10 | 2 | 3983.24 | 7 | 4075.26 | 9 | 4054.81 | 0 | 0 | 1 | 676.08 | 1 | 676.08 | 2 | 3983.24 | 8 | 3650.36 | 10 | 3716.94 |
| 11 | Kozhikode | 12 | 0 | 0 | 9 | 1569.9 | 9 | 1569.9 | 0 | 0 | 3 | 950.64 | 3 | 950.64 | 0 | 0 | 12 | 1415.09 | 12 | 1415.09 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 8 | 0 | 0 | 5 | 3111.58 | 5 | 3111.58 | 0 | 0 | 3 | 2442.49 | 3 | 2442.49 | 0 | 0 | 8 | 2860.67 | 8 | 2860.67 |
| 14 | Kasargod | 4 | 0 | 0 | 4 | 3356.93 | 4 | 3356.93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3356.93 | 4 | 3356.93 |
| State Total | | 86 | 21 | 2835.13 | 57 | 2603.9 | 78 | 2666.15 | 0 | 0 | 8 | 1673.26 | 8 | 1673.26 | 21 | 2835.13 | 65 | 2489.36 | 86 | 2573.79 |

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Table 8(iv)

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

STATE: KERALA

YEAR: 2018-19

SEASON: AUTUMN PADDY

CENTRAL SAMPLE

| Sl. No. | District | No. of expts. Checked at harvest | HY varieties | | | | | | Other varieties | | | | | | Both HY & Others | | | | | |
|--------------------|--------------------|----------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|-----------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|
| | | | Irrigated | | Un-irrigated | | Total | | Irrigated | | Un-irrigated | | Total | | Irrigated | | Un-irrigated | | Total | |
| | | | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 1 | Thiruvananthapuram | 8 | 8 | 3568.27 | 0 | 0 | 8 | 3568.27 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 3568.27 | 0 | 0 | 8 | 3568.27 |
| 2 | Kollam | 6 | 0 | 0 | 6 | 2018.29 | 6 | 2018.29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2018.29 | 6 | 2018.29 |
| 3 | Pathanamthitta | 5 | 3 | 1113.76 | 2 | 2949.22 | 5 | 1847.94 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1113.76 | 2 | 2949.22 | 5 | 1847.94 |
| 4 | Alappuzha | 8 | 4 | 0.04 | 2 | 1118.26 | 6 | 372.78 | 0 | 0 | 2 | 1712.92 | 2 | 1712.92 | 4 | 0.04 | 4 | 1415.59 | 8 | 707.81 |
| 5 | Kottayam | 6 | 4 | 2694.97 | 0 | 0 | 4 | 2694.97 | 0 | 0 | 2 | 1886.02 | 2 | 1886.02 | 4 | 2694.97 | 2 | 1886.02 | 6 | 2425.32 |
| 6 | Idukki | 4 | 2 | 1799.6 | 0 | 0 | 2 | 1799.6 | 2 | 1187.7 | 0 | 0 | 2 | 1187.74 | 4 | 1493.67 | 0 | 0 | 4 | 1493.67 |
| 7 | Ernakulam | 10 | 6 | 2229.44 | 0 | 0 | 6 | 2229.44 | 0 | 0 | 4 | 1549.05 | 4 | 1549.05 | 6 | 2229.44 | 4 | 1549.05 | 10 | 1957.28 |
| 8 | Thrissur | 8 | 0 | 0 | 8 | 2357.13 | 8 | 2357.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 2357.13 | 8 | 2357.13 |
| 9 | Palakkad | 10 | 4 | 3741.08 | 6 | 3458.36 | 10 | 3571.45 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3741.08 | 6 | 3458.36 | 10 | 3571.45 |
| 10 | Malappuram | 10 | 3 | 728.69 | 7 | 2424.24 | 10 | 1915.57 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 728.69 | 7 | 2424.24 | 10 | 1915.57 |
| 11 | Kozhikode | 12 | 0 | 0 | 10 | 1896.81 | 10 | 1896.81 | 0 | 0 | 2 | 969.28 | 2 | 969.28 | 0 | 0 | 12 | 1742.22 | 12 | 1742.22 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 8 | 0 | 0 | 8 | 3583.61 | 8 | 3583.61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 3583.61 | 8 | 3583.61 |
| 14 | Kasargod | 4 | 0 | 0 | 3 | 4279.34 | 3 | 4279.34 | 0 | 0 | 1 | 3966.34 | 1 | 3966.34 | 0 | 0 | 4 | 4201.09 | 4 | 4201.09 |
| State Total | | 99 | 3 | 2258.6 | 5 | 2640.32 | 86 | 2489.4 | 2 | 1187.7 | 11 | 1754.45 | 13 | 1667.26 | 36 | 2199.14 | 63 | 2485.64 | 99 | 2381.46 |
| | | | 4 | 4 | 2 | | | 2 | | | | | | | | | | | | |

Table 8(v)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS
STATE:KERALA YEAR:2018-19 SEASON:AUTUMN PADDY STATE SAMPLE

| Sl. No. | District | Expts. Checked at harvest stage | | Expts. Treated with Fertilizers only | | Experiments with Fertilizers | | | | | | | | Expts. Not Treated with Fertilizers | |
|--------------------|--------------------|---------------------------------|----------------|--------------------------------------|----------------|------------------------------|-----------|-----------|-----------------|---------------------|--------------|--------------|--------------|-------------------------------------|----------------|
| | | N o. | 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 | 2869.06 | 0 | 0 | 6 | 5 | 4 | 6 | 3738.7 | 52 | 31.8 | 32.18 | 2 | 260.13 |
| 2 | Kollam | 6 | 2051.52 | 0 | 0 | 3 | 3 | 2 | 3 | 3322.8 | 60.03 | 39.44 | 28.2 | 3 | 780.24 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 2 | 3566.09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3566.09 |
| 5 | Kottayam | 4 | 2114.02 | 0 | 0 | 4 | 4 | 4 | 4 | 2114.02 | 65.75 | 33.5 | 55.5 | 0 | 0 |
| 6 | Idukki | 4 | 2026.19 | 3 | 1538.93 | 4 | 4 | 1 | 4 | 2026.19 | 74.63 | 43 | 78 | 0 | 0 |
| 7 | Ernakulam | 10 | 2525.37 | 5 | 2591.79 | 9 | 7 | 3 | 9 | 2382.99 | 20.19 | 19.71 | 34.73 | 1 | 3809.97 |
| 8 | Thrissur | 8 | 2286.45 | 1 | 5332.10 | 7 | 7 | 7 | 7 | 2527.8 | 43.49 | 25 | 61.43 | 1 | 596.99 |
| 9 | Palakkad | 10 | 2838.28 | 3 | 2468.66 | 6 | 6 | 6 | 6 | 3313.43 | 70.33 | 40 | 37.17 | 4 | 2125.55 |
| 10 | Malappuram | 10 | 3716.94 | 5 | 3215.14 | 10 | 9 | 6 | 10 | 3716.94 | 42.79 | 31.29 | 31.52 | 0 | 0 |
| 11 | Kozhikode | 12 | 1415.09 | 0 | 0 | 5 | 4 | 3 | 5 | 1742.47 | 30.2 | 19 | 46.33 | 7 | 1181.24 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 8 | 2860.67 | 2 | 3271.39 | 5 | 3 | 1 | 5 | 2701.11 | 19.74 | 18.8 | 42 | 3 | 3126.61 |
| 14 | Kasargod | 4 | 3356.93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3356.93 |
| State Total | | 86 | 2573.79 | 19 | 2785.91 | 59 | 52 | 37 | 59 | 2836.79 | 47.92 | 30.15 | 44.71 | 27 | 1999.21 |

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| Table 8(v) | | | | | | | | | | | | | |
|---|--------------------|--|-------------------|-----------------------------------|-------------------|---------------------------------------|-------------------|--|-------------------|---|-------------------|--|-------------------|
| CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS | | | | | | | | | | | | | |
| STATE:KERALA | | YEAR:2018-19 | | | | SEASON:AUTUMN PADDY | | | | STATE SAMPLE | | | |
| Sl. No. | District | Expts. Treated with Manure only | | Expts. Treated with Manure | | Expts. Not Treated with Manure | | Expts. Treated (both) with Fertilizers & Manure | | Expts. Not Treated with Fertilizers & Manure | | Expts. Treated with Fertilizers or Manure or Both | |
| | | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate |
| 1 | 2 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 1 | Thiruvananthapuram | 2 | 260.13 | 8 | 2869.06 | 0 | 0 | 6 | 3738.7 | 0 | 0 | 8 | 2869.06 |
| 2 | Kollam | 2 | 426.43 | 5 | 2164.25 | 1 | 1487.88 | 3 | 3322.8 | 1 | 1487.88 | 5 | 2164.25 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 2 | 3566.09 | 0 | 0 | 2 | 3566.09 | 0 | 0 |
| 5 | Kottayam | 0 | 0 | 4 | 2114.02 | 0 | 0 | 4 | 2114.02 | 0 | 0 | 4 | 2114.02 |
| 6 | Idukki | 0 | 0 | 1 | 3487.95 | 3 | 1538.93 | 1 | 3487.95 | 0 | 0 | 4 | 2026.19 |
| 7 | Ernakulam | 0 | 0 | 4 | 2121.99 | 6 | 2794.82 | 4 | 21221 | 1 | 3809.97 | 9 | 2382.99 |
| 8 | Thrissur | 1 | 596.99 | 7 | 1851.35 | 1 | 5332.10 | 6 | 2060.41 | 0 | 0 | 8 | 2286.45 |
| 9 | Palakkad | 2 | 2610.49 | 5 | 3539.12 | 5 | 2137.44 | 3 | 4158.2 | 2 | 1640.61 | 8 | 3137.7 |
| 10 | Malappuram | 0 | 0 | 5 | 4218.74 | 5 | 3215.14 | 5 | 4218.74 | 0 | 0 | 10 | 3716.94 |
| 11 | Kozhikode | 5 | 1185.50 | 10 | 1463.99 | 2 | 1170.59 | 5 | 1742.47 | 2 | 1170.59 | 10 | 1463.99 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 2 | 4689.73 | 5 | 3268.45 | 3 | 2181.05 | 3 | 2320.92 | 1 | 0.368 | 7 | 3269.29 |
| 14 | Kasargod | 4 | 3356.93 | 4 | 3356.93 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3356.93 |
| State Total | | 18 | 1995.88 | 58 | 2592.49 | 28 | 2535.18 | 40 | 2860.96 | 9 | 2005.87 | 77 | 2640.22 |

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| Table 8(vi) | | | | | | | | | | | | | | | |
|---|--------------------|--|-------------------|---|-------------------|-------------------------------------|-----------|----------------------------|------------------------|----------------------------|--------------|-----------------------|--------------|--|-------------------|
| CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS | | | | | | | | | | | | | | | |
| STATE:KERALA | | | | YEAR:2018-19 | | | | SEASON:AUTUMN 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 | 3568.27 | 0 | 0 | 4 | 4 | 3 | 4 | 4840.21 | 61.5 | 34.5 | 34.67 | 4 | 2296.32 |
| 2 | Kollam | 6 | 2018.29 | 2 | 1833.08 | 3 | 3 | 1 | 3 | 2349.34 | 19.67 | 14.33 | 86 | 3 | 1687.24 |
| 3 | Pathanamthitta | 5 | 1847.94 | 0 | 0 | 5 | 5 | 5 | 5 | 1847.94 | 55.2 | 20.8 | 23.8 | 0 | 0 |
| 4 | Alappuzha | 8 | 707.814 | 3 | 0.037 | 4 | 4 | 4 | 4 | 0.037 | 77.5 | 39.75 | 54.5 | 4 | 1415.59 |
| 5 | Kottayam | 6 | 2425.32 | 5 | 2096.15 | 6 | 6 | 6 | 6 | 2425.32 | 78 | 51.83 | 100.5 | 0 | 0 |
| 6 | Idukki | 4 | 1493.67 | 2 | 1465.86 | 3 | 3 | 3 | 3 | 1931.57 | 51 | 51 | 52.33 | 1 | 179.96 |
| 7 | Ernakulam | 10 | 1957.28 | 4 | 2244.58 | 6 | 6 | 5 | 6 | 2229.44 | 41.67 | 28.5 | 25.2 | 4 | 2475.21 |
| 8 | Thrissur | 8 | 2357.13 | 1 | 1409.04 | 7 | 6 | 6 | 7 | 2476.15 | 76 | 28.17 | 64.83 | 1 | 1523.99 |
| 9 | Palakkad | 10 | 3571.45 | 7 | 3266.9 | 10 | 10 | 9 | 10 | 3571.45 | 90.7 | 46.2 | 84.89 | 0 | 0 |
| 10 | Malappuram | 10 | 1915.57 | 2 | 552.151 | 5 | 4 | 2 | 5 | 2648.74 | 36.4 | 30.25 | 46 | 5 | 1182.40 |
| 11 | Kozhikode | 12 | 1742.22 | 1 | 5927.52 | 7 | 5 | 5 | 7 | 1929.51 | 78.71 | 28 | 55.8 | 5 | 1480.02 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 8 | 3583.61 | 2 | 3788.99 | 7 | 6 | 3 | 7 | 3626.11 | 38.29 | 21.67 | 45.33 | 1 | 3286.13 |
| 14 | Kasargod | 4 | 4201.09 | 0 | 0 | 4 | 4 | 3 | 4 | 4201.09 | 14 | 14 | 18 | 0 | 0 |
| State Total | | 99 | 2381.46 | 29 | 2239.45 | 71 | 66 | 55 | 71 | 2695.17 | 55.28 | 31.46 | 53.22 | 28 | 1718.3 |

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| Table 8(vi) | | | | | | | | | | | | | | | |
|---|--------------------|--------------------------------|----------------|----------------------------|----------------|--------------------------------|----------------|---|----------------|--|----------------|---|----------------|--|--|
| CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS | | | | | | | | | | | | | | | |
| STATE:KERALA | | | | YEAR:2018-19 | | | | SEASON:AUTUMN PADDY | | | | CENTRAL SAMPLE | | | |
| Sl. No. | District | Expts.Treated with Manure only | | Expts. Treated with Manure | | Expts. Not Treated with Manure | | Expts. Treated (both) with Fertilizers & Manure | | Expts. Not Treated with Fertilizers & Manure | | Expts. Treated with Fertilizers or Manure or Both | | | |
| | | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | | |
| 1 | 2 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | | |
| 1 | Thiruvananthapuram | 2 | 2032.60 | 6 | 3904.34 | 2 | 2560.04 | 4 | 4840.21 | 2 | 2560.04 | 6 | 3904.34 | | |
| 2 | Kollam | 3 | 1687.24 | 4 | 2110.90 | 2 | 1833.08 | 1 | 3381.87 | 0 | 0 | 6 | 2018.29 | | |
| 3 | Pathanamthitta | 0 | 0 | 5 | 1847.94 | 0 | 0 | 5 | 1847.94 | 0 | 0 | 5 | 1794.26 | | |
| 4 | Alappuzha | 4 | 1415.59 | 5 | 1132.48 | 3 | 0.037 | 1 | 0.037 | 0 | 0 | 8 | 707.81 | | |
| 5 | Kottayam | 0 | 0 | 1 | 4071.17 | 5 | 2096.15 | 1 | 4071.17 | 0 | 0 | 6 | 2425.32 | | |
| 6 | Idukki | 1 | 179.96 | 2 | 1521.48 | 2 | 1465.86 | 1 | 2863 | 0 | 0 | 4 | 1493.67 | | |
| 7 | Ernakulam | 0 | 0 | 2 | 2199.18 | 8 | 2359.89 | 2 | 2199.18 | 4 | 2475.21 | 6 | 2229.44 | | |
| 8 | Thrissur | 1 | 1523.99 | 7 | 2492.57 | 1 | 1409.04 | 6 | 2654 | 0 | 0 | 8 | 2357.13 | | |
| 9 | Palakkad | 0 | 0 | 3 | 4282.07 | 7 | 3266.89 | 3 | 4282.07 | 0 | 0 | 10 | 3571.45 | | |
| 10 | Malappuram | 5 | 1182.40 | 8 | 2256.43 | 2 | 552.15 | 3 | 4046.46 | 0 | 0 | 10 | 1915.57 | | |
| 11 | Kozhikode | 4 | 1696.24 | 10 | 1436.40 | 2 | 3271.32 | 6 | 1263.18 | 1 | 615.12 | 11 | 1844.69 | | |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 13 | Kannur | 1 | 3286.13 | 6 | 3515.15 | 2 | 3788.99 | 5 | 3560.95 | 0 | 0 | 8 | 3583.61 | | |
| 14 | Kasargod | 0 | 0 | 4 | 4201.09 | 0 | 0 | 4 | 4201.09 | 0 | 0 | 4 | 4201.09 | | |
| State Total | | 21 | 1546.49 | 63 | 2522.05 | 36 | 2238.34 | 42 | 3009.83 | 7 | 2233.72 | 92 | 2430.05 | | |

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| Table 9(i) | | | | | | | |
|---|--------------------|--------------------|--------------------|-----------------|------|-----------------------|--------------------------------------|
| CROP-WISE NUMBER OF EXPERIMENTS PLANNED FOR CHECK AT HARVEST AND THE RESPONSE ACHIEVED | | | | | | | |
| STATE:KERALA | | | | YEAR:2018-19 | | STATE SAMPLE | |
| SEASON:WINTER | | | | CROP:PADDY | | | |
| Sl. No. | District | No. of Experiments | | At post harvest | Lost | Rejected for analysis | For which schedules are not received |
| | | Planned | Checked at harvest | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | 8 | 8 | | | | |
| 2 | Kollam | 6 | 6 | | | | |
| 3 | Pathanamthitta | 6 | 6 | | | | |
| 4 | Alappuzha | 8 | 8 | | | | |
| 5 | Kottayam | 6 | 6 | | | | |
| 6 | Idukki | 4 | 4 | | | | |
| 7 | Ernakulam | 10 | 10 | | | | |
| 8 | Thrissur | 8 | 8 | | | | |
| 9 | Palakkad | 10 | 10 | | | | |
| 10 | Malappuram | 10 | 10 | | | | |
| 11 | Kozhikode | 8 | 8 | | | | |
| 12 | Wayanad | 4 | 4 | | | | |
| 13 | Kannur | 8 | 8 | | | | |
| 14 | Kasargod | 4 | 4 | | | | |
| Total | | 100 | 100 | | | | |

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Table 9(ii)

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

STATE:KERALA

YEAR:2018-19

CENTRAL SAMPLE

SEASON:WINTER

CROP:PADDY

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

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| Table 9(iii) | | | | | | | | | | | | | | | | | | | | |
|---|---------------------------|---|----------------------|-------------------------|----------------------|-------------------------|---------------------|-------------------------|-----------------------------|-------------------------|----------------------|-------------------------|---------------------|-------------------------|-----------------------------|-------------------------|----------------------|-------------------------|---------------------|-------------------------|
| ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES | | | | | | | | | | | | | | | | | | | | |
| STATE: KERALA | | | YEAR: 2018-19 | | | | | | SEASON: WINTER PADDY | | | | | | STATE SAMPLE | | | | | |
| Sl No. | District | No. of Expts. Checked at Harvest | HY Varieties | | | | | | Other Varieties | | | | | | Both HY & Others | | | | | |
| | | | Irrigated | | Un -Irrigated | | Total | | Irrigated | | Un -Irrigated | | Total | | Irrigated | | Un -Irrigated | | Total | |
| | | | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 1 | Thiruvananthapuram | 8 | 8 | 4101.17 | 0 | 0 | 8 | 4101.17 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 4101.17 | 0 | 0 | 8 | 4101.17 |
| 2 | Kollam | 6 | 4 | 2711.3 | 1 | 1802.56 | 5 | 2529.55 | 0 | 0 | 1 | 1914.52 | 1 | 1914.52 | 4 | 2711.3 | 2 | 1858.54 | 6 | 2427.04 |
| 3 | Pathanamthitta | 6 | 6 | 3158.37 | 0 | 0 | 6 | 3158.37 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3158.37 | 0 | 0 | 6 | 3158.37 |
| 4 | Alappuzha | 8 | 8 | 5220.13 | 0 | 0 | 8 | 5220.13 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5220.13 | 0 | 0 | 8 | 5220.13 |
| 5 | Kottayam | 6 | 6 | 5976.43 | 0 | 0 | 6 | 5976.43 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 5976.43 | 0 | 0 | 6 | 5976.43 |
| 6 | Idukki | 4 | 2 | 2569.52 | 0 | 0 | 2 | 2569.52 | 2 | 3089.68 | 0 | 0 | 2 | 3089.68 | 4 | 2829.6 | 0 | 0 | 4 | 2829.6 |
| 7 | Ernakulam | 10 | 10 | 3447.68 | 0 | 0 | 10 | 3447.68 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 3447.68 | 0 | 0 | 10 | 3447.68 |
| 8 | Thrissur | 8 | 8 | 3210.32 | 0 | 0 | 8 | 3210.32 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 3210.33 | 0 | 0 | 8 | 3210.32 |
| 9 | Palakkad | 10 | 8 | 4628.56 | 0 | 0 | 8 | 4628.56 | 1 | 1632.12 | 1 | 1519.56 | 2 | 1575.84 | 9 | 4295.62 | 1 | 1519.56 | 10 | 4018.02 |
| 10 | Malappuram | 10 | 5 | 4136.75 | 2 | 4344.68 | 7 | 4196.16 | 2 | 1261.48 | 1 | 1522.8 | 3 | 1348.59 | 7 | 3315.25 | 3 | 3404.05 | 10 | 3341.89 |
| 11 | Kozhikode | 8 | 2 | 2998.81 | 0 | 0 | 2 | 2998.81 | 0 | 0 | 6 | 1080.74 | 6 | 1080.74 | 2 | 2998.81 | 6 | 1080.74 | 8 | 1560.26 |
| 12 | Wayanad | 4 | 3 | 3695.64 | 0 | 0 | 3 | 3695.64 | 1 | 2098.73 | 0 | 0 | 1 | 2098.73 | 4 | 3296.41 | 0 | 0 | 4 | 3296.41 |
| 13 | Kannur | 8 | 5 | 4208.75 | 0 | 0 | 5 | 4208.75 | 1 | 3279.64 | 2 | 1055.97 | 3 | 1797.19 | 6 | 4053.9 | 2 | 1055.97 | 8 | 3304.42 |
| 14 | Kasargod | 4 | 3 | 3830.67 | 0 | 0 | 3 | 3830.67 | 1 | 4631.62 | 0 | 0 | 1 | 4631.62 | 4 | 4030.91 | 0 | 0 | 4 | 4030.91 |
| State Total | | 100 | 78 | 4010.97 | 3 | 3497.31 | 81 | 3991.94 | 8 | 2543.05 | 11 | 1232.11 | 19 | 1784.09 | 86 | 3874.42 | 14 | 1717.51 | 100 | 3572.45 |

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| Table 9(iv) | | | | | | | | | | | | | | | | | | | | |
|---|--------------------|---|----------------------|-------------------------|----------------------|-------------------------|---------------------|-------------------------|-----------------------------|-------------------------|----------------------|-------------------------|---------------------|-------------------------|-----------------------------|-------------------------|----------------------|-------------------------|---------------------|-------------------------|
| ESTIMATED YIELD RATES OF HIGH YIELDING AND OTHER VARIETIES OF CROPS FOR IRRIGATED AND UNIRRIGATED CATEGORIES | | | | | | | | | | | | | | | | | | | | |
| STATE: KERALA | | | YEAR: 2018-19 | | | | | | SEASON: WINTER PADDY | | | | | | CENTRAL SAMPLE | | | | | |
| Sl No. | District | No. of Expts. Checked at Harvest | HY Varieties | | | | | | Other Varieties | | | | | | Both HY & Others | | | | | |
| | | | Irrigated | | Un -Irrigated | | Total | | Irrigated | | Un -Irrigated | | Total | | Irrigated | | Un -Irrigated | | Total | |
| | | | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha | No. of Expts | Yield Rate Kg/Ha |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 1 | Thiruvananthapuram | 8 | 8 | 5553.7 | 0 | 0 | 8 | 5553.7 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5553.7 | 0 | 0 | 8 | 5553.7 |
| 2 | Kollam | 6 | 0 | 0 | 4 | 2022.74 | 4 | 2022.74 | 1 | 2302.64 | 1 | 3045.31 | 2 | 2673.98 | 1 | 2302.64 | 5 | 2227.26 | 6 | 2239.82 |
| 3 | Pathanamthitta | 6 | 6 | 3284.37 | 0 | 0 | 6 | 3284.37 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3284.37 | 0 | 0 | 6 | 3284.37 |
| 4 | Alappuzha | 8 | 4 | 8964.76 | 0 | 0 | 4 | 8964.76 | 0 | 0 | 4 | 941.87 | 4 | 941.87 | 4 | 8964.76 | 4 | 941.87 | 8 | 4953.31 |
| 5 | Kottayam | 6 | 4 | 4124.74 | 2 | 4337.26 | 6 | 4195.58 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4124.74 | 2 | 4337.26 | 6 | 4195.58 |
| 6 | Idukki | 4 | 4 | 4388.23 | 0 | 0 | 4 | 4388.23 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4388.23 | 0 | 0 | 4 | 4388.23 |
| 7 | Ernakulam | 10 | 10 | 3324.34 | 0 | 0 | 10 | 3324.34 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 3324.34 | 0 | 0 | 10 | 3324.34 |
| 8 | Thrissur | 8 | 8 | 6823.63 | 0 | 0 | 8 | 6823.63 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6823.63 | 0 | 0 | 8 | 6823.63 |
| 9 | Palakkad | 10 | 10 | 4538.04 | 0 | 0 | 10 | 4538.04 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 4538.04 | 0 | 0 | 10 | 4538.04 |
| 10 | Malappuram | 10 | 6 | 4218.72 | 3 | 3149.63 | 9 | 3862.36 | 0 | 0 | 1 | 2338.72 | 1 | 2338.72 | 6 | 4218.72 | 4 | 2946.9 | 10 | 3709.99 |
| 11 | Kozhikode | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 1204.45 | 8 | 1204.45 | 0 | 0 | 8 | 1204.45 | 8 | 1204.45 |
| 12 | Wayanad | 4 | 2 | 6441.91 | 2 | 5632.45 | 4 | 6037.18 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6441.91 | 2 | 5632.45 | 4 | 6037.18 |
| 13 | Kannur | 8 | 5 | 2267.64 | 0 | 0 | 5 | 2267.64 | 3 | 1623 | 0 | 0 | 3 | 1623 | 8 | 2025.9 | 0 | 0 | 8 | 2025.9 |
| 14 | Kasargod | 4 | 3 | 3149.55 | 0 | 0 | 3 | 3149.55 | 1 | 2735.83 | 0 | 0 | 1 | 2735.83 | 4 | 3046.12 | 0 | 0 | 4 | 3046.12 |
| State Total | | 100 | 70 | 4660.61 | 11 | 3407.21 | 81 | 4490.39 | 5 | 1981.5 | 14 | 1341.94 | 19 | 1510.24 | 75 | 4482 | 25 | 2250.65 | 100 | 3924.16 |

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Table 9(v)

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

STATE: KERALA

YEAR: 2018-19

SEASON: WINTER PADDY

STATE SAMPLE

| Sl. No. | District | Expts. Checked at Harvest stage | | Expts. Treated with Fertilizers only | | Expts. With Fertilizers | | | | | | | Expts. Not treated with Fertilizers | | |
|--------------------|---------------------------|---------------------------------|----------------|--------------------------------------|----------------|-------------------------|-----------|-----------|-----------------|----------------|---------------------|--------------|-------------------------------------|-----------|----------------|
| | | No. | Yield Rate | No. | Yield Rate | No. of Expts. | | | | | Rate of Application | | | No. | Yield Rate |
| | | | | | | N | P | K | Exclusive Total | Yield Rate | N | P | K | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Thiruvananthapuram | 8 | 4101.17 | 0 | 0 | 8 | 8 | 8 | 8 | 4101.17 | 46.81 | 21.35 | 32.6 | 0 | 0 |
| 2 | Kollam | 6 | 2427.04 | 0 | 0 | 3 | 3 | 3 | 3 | 3001.77 | 55.53 | 40.4 | 67.07 | 3 | 1852.32 |
| 3 | Pathanamthitta | 6 | 3158.37 | 2 | 3347.06 | 6 | 6 | 6 | 6 | 3158.37 | 46.47 | 24.1 | 40.33 | 0 | 0 |
| 4 | Alappuzha | 8 | 5220.13 | 7 | 5963.08 | 7 | 7 | 7 | 7 | 5963.08 | 75 | 30.71 | 7 | 1 | 19.44 |
| 5 | Kottayam | 6 | 5976.43 | 4 | 5794.40 | 6 | 6 | 6 | 6 | 5976.43 | 70 | 35 | 41.17 | 0 | 0 |
| 6 | Idukki | 4 | 2829.6 | 4 | 2829.60 | 4 | 4 | 4 | 4 | 2829.60 | 43.39 | 32.97 | 60.65 | 0 | 0 |
| 7 | Ernakulam | 10 | 3447.68 | 3 | 2529.83 | 10 | 9 | 8 | 10 | 3035.06 | 33.4 | 23.41 | 36.76 | 0 | 0 |
| 8 | Thrissur | 8 | 3210.32 | 1 | 2909.72 | 8 | 8 | 8 | 8 | 3210.32 | 37.99 | 26.8 | 33.36 | 0 | 0 |
| 9 | Palakkad | 10 | 4018.02 | 7 | 4659.98 | 10 | 9 | 9 | 10 | 4018.02 | 77.88 | 45.89 | 46.2 | 0 | 0 |
| 10 | Malappuram | 10 | 3341.89 | 4 | 4178.3 | 8 | 7 | 5 | 8 | 3861.99 | 70.34 | 42.2 | 45.26 | 2 | 1261.48 |
| 11 | Kozhikode | 8 | 1560.26 | 0 | 0 | 2 | 2 | 1 | 2 | 2998.81 | 72.5 | 30 | 23 | 6 | 1080.74 |
| 12 | Wayanad | 4 | 3296.41 | 4 | 3296.41 | 4 | 4 | 2 | 4 | 3296.41 | 34.25 | 40.25 | 19.5 | 0 | 0 |
| 13 | Kannur | 8 | 3304.42 | 3 | 3529.52 | 6 | 6 | 1 | 6 | 4053.89 | 19.17 | 40.25 | 11.96 | 2 | 1055.97 |
| 14 | Kasargod | 4 | 4030.91 | 0 | 0 | 2 | 2 | 1 | 2 | 4765.95 | 34.5 | 34.5 | 22.2 | 2 | 3295.86 |
| State Total | | 100 | 3572.45 | 39 | 4270.21 | 84 | 81 | 69 | 84 | 3926.56 | 51.23 | 33.42 | 34.79 | 16 | 1455.47 |

contd...

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| Table 9(v) | | | | | | | | | | | | | |
|---|---------------------------|---------------------------------|----------------|----------------------------|----------------|--------------------------------|-------------|---|----------------|--|---------------|---|----------------|
| CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS | | | | | | | | | | | | | |
| STATE: KERALA | | YEAR: 2018-19 | | | | | | SEASON: WINTER PADDY | | | | STATE SAMPLE | |
| Sl. No. | District | Expts. Treated with manure only | | Expts. Treated with manure | | Expts. Not Treated with manure | | Expts. Treated (both) with Fertilizers & Manure | | Expts. not Treated with Fertilizers & Manure | | Expts. Treated with Fertilizers or Manure or both | |
| | | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate |
| 1 | 2 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 1 | Thiruvananthapuram | 0 | 0 | 8 | 4101.17 | 0 | 0 | 8 | 4101.17 | 0 | 0 | 8 | 4101.17 |
| 2 | Kollam | 2 | 1858.54 | 5 | 2544.48 | 1 | 1839.88 | 3 | 3001.77 | 1 | 1839.88 | 5 | 2544.48 |
| 3 | Pathanamthitta | 0 | 0 | 4 | 3064.03 | 2 | 3347.06 | 4 | 3064.03 | 0 | 0 | 6 | 2042.69 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 8 | 5220.13 | 0 | 0 | 1 | 19.44 | 7 | 5963.08 |
| 5 | Kottayam | 0 | 0 | 2 | 6340.49 | 4 | 5794.40 | 2 | 6340.49 | 0 | 0 | 6 | 5976.43 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 4 | 2829.60 | 0 | 0 | 0 | 0 | 4 | 2829.60 |
| 7 | Ernakulam | 0 | 0 | 7 | 3251.58 | 3 | 2529.83 | 7 | 3251.58 | 0 | 0 | 10 | 3035.06 |
| 8 | Thrissur | 0 | 0 | 7 | 3253.27 | 1 | 2909.72 | 7 | 3253.27 | 0 | 0 | 8 | 3210.32 |
| 9 | Palakkad | 0 | 0 | 3 | 2520.09 | 7 | 4659.98 | 3 | 2520.09 | 0 | 0 | 10 | 4018.02 |
| 10 | Malappuram | 2 | 1261.48 | 6 | 2784.28 | 4 | 4178.3 | 4 | 3545.68 | 0 | 0 | 10 | 3341.89 |
| 11 | Kozhikode | 4 | 1311.75 | 6 | 1874.10 | 2 | 618.71 | 2 | 2998.81 | 2 | 618.71 | 6 | 1874.10 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 4 | 3296.41 | 0 | 0 | 0 | 0 | 4 | 3296.41 |
| 13 | Kannur | 2 | 1055.97 | 5 | 3169.36 | 3 | 3529.52 | 3 | 4578.28 | 0 | 0 | 8 | 3304.42 |
| 14 | Kasargod | 2 | 3295.86 | 4 | 4030.91 | 0 | 0 | 2 | 4765.95 | 0 | 0 | 4 | 4030.91 |
| State Total | | 12 | 1682.56 | 57 | 3219.01 | 43 | 3945 | 45 | 3628.74 | 4 | 774.19 | 96 | 3576.33 |

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| Table 9(vi) | | | | | | | | | | | | | | | |
|---|---------------------------|---------------------------------|----------------|--------------------------------------|---------------|-------------------------|-----------|-----------------------------|-----------------|---------------|---------------------|-----------------------|-------------------------------------|-----------|---------------|
| CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS | | | | | | | | | | | | | | | |
| STATE: KERALA | | | | YEAR: 2018-19 | | | | SEASON: WINTER PADDY | | | | CENTRAL SAMPLE | | | |
| Sl. No. | District | Expts. Checked at Harvest stage | | Expts. Treated with Fertilizers only | | Expts. With Fertilizers | | | | | | | Expts. Not treated with Fertilizers | | |
| | | No. | Yield Rate | No. | Yield Rate | No. of Expts. | | | | | Rate of Application | | | No. | Yield Rate |
| | | | | | | N | P | K | Exclusive Total | Yield Rate | N | P | K | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Thiruvananthapuram | 8 | 5553.7 | 0 | 0 | 8 | 7 | 4 | 8 | 5553.7 | 67.4 | 33.4 | 41.8 | 0 | 0 |
| 2 | Kollam | 6 | 2239.82 | 0 | 0 | 2 | 2 | 0 | 2 | 2616.1 | 17.9 | 5 | 0 | 4 | 2051.7 |
| 3 | Pathanamthitta | 6 | 3284.37 | 1 | 3232 | 6 | 6 | 6 | 6 | 3284.4 | 75.2 | 28.3 | 41.7 | 0 | 0 |
| 4 | Alappuzha | 8 | 4953.31 | 3 | 8894.4 | 4 | 4 | 4 | 4 | 8964.8 | 82.3 | 41.5 | 47 | 4 | 941.87 |
| 5 | Kottayam | 6 | 4195.58 | 5 | 4114.4 | 6 | 6 | 5 | 6 | 4195.6 | 95.2 | 44 | 98.6 | 0 | 0 |
| 6 | Idukki | 4 | 4388.23 | 4 | 4388.2 | 4 | 4 | 4 | 4 | 4388.2 | 157 | 62 | 107 | 0 | 0 |
| 7 | Ernakulam | 10 | 3324.34 | 4 | 4461.5 | 9 | 8 | 8 | 9 | 3539.4 | 38.7 | 26.1 | 41.5 | 1 | 1389 |
| 8 | Thrissur | 8 | 6823.63 | 0 | 0 | 8 | 8 | 8 | 8 | 6823.6 | 49.3 | 45.4 | 38.1 | 0 | 0 |
| 9 | Palakkad | 10 | 4538.04 | 5 | 5089.2 | 10 | 10 | 9 | 10 | 4538 | 93 | 47.2 | 60.6 | 0 | 0 |
| 10 | Malappuram | 10 | 3709.99 | 0 | 0 | 7 | 5 | 3 | 7 | 4139.8 | 50.1 | 18.4 | 56.3 | 3 | 2707.2 |
| 11 | Kozhikode | 8 | 1204.45 | 0 | 0 | 3 | 2 | 2 | 3 | 1667.2 | 54.3 | 39.5 | 78.5 | 5 | 926.77 |
| 12 | Wayanad | 4 | 6037.18 | 1 | 5473 | 4 | 2 | 1 | 4 | 4574.7 | 42.5 | 59 | 59 | 0 | 0 |
| 13 | Kannur | 8 | 2025.9 | 4 | 2365.1 | 6 | 5 | 4 | 6 | 2096.9 | 30 | 14.4 | 35.8 | 2 | 1812.8 |
| 14 | Kasargod | 4 | 3046.12 | 0 | 0 | 4 | 4 | 2 | 4 | 3046.1 | 33.3 | 33.3 | 7.5 | 0 | 0 |
| State Total | | 100 | 3924.16 | 27 | 4676.5 | 81 | 73 | 60 | 81 | 4405.2 | 63.3 | 35.5 | 54.9 | 19 | 1565.5 |

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Table 9(vi)

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

| STATE: KERALA | | YEAR: 2018-19 | | | | SEASON: WINTER PADDY | | | | CENTRAL SAMPLE | | | |
|----------------------|---------------------------|---------------------------------|-------------|----------------------------|---------------|--------------------------------|-------------|---|---------------|--|---------------|---|-------------|
| Sl. No. | District | Expts. Treated with manure only | | Expts. Treated with manure | | Expts. Not Treated with manure | | Expts. Treated (both) with Fertilizers & Manure | | Expts. not Treated with Fertilizers & Manure | | Expts. Treated with Fertilizers or Manure or both | |
| | | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate |
| 1 | 2 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 1 | Thiruvananthapuram | 0 | 0 | 8 | 5553.7 | 0 | 0 | 8 | 5553.7 | 0 | 0 | 8 | 5553.7 |
| 2 | Kollam | 4 | 2052 | 6 | 2239.8 | 0 | 0 | 2 | 2616.1 | 0 | 0 | 6 | 2239.8 |
| 3 | Pathanamthitta | 0 | 0 | 5 | 3294.8 | 1 | 3232 | 5 | 3294.8 | 0 | 0 | 6 | 3284.4 |
| 4 | Alappuzha | 4 | 941.9 | 5 | 2588.6 | 3 | 8894.4 | 1 | 9175.7 | 0 | 0 | 8 | 4953.3 |
| 5 | Kottayam | 0 | 0 | 1 | 4601.5 | 5 | 4114.4 | 1 | 4601.5 | 0 | 0 | 6 | 4195.6 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 4 | 4388.2 | 0 | 0 | 0 | 0 | 4 | 4388.2 |
| 7 | Ernakulam | 1 | 1389 | 6 | 2566.3 | 4 | 4461.5 | 5 | 2801.7 | 0 | 0 | 10 | 3324.3 |
| 8 | Thrissur | 0 | 0 | 8 | 6823.6 | 0 | 0 | 8 | 6823.6 | 0 | 0 | 8 | 6823.6 |
| 9 | Palakkad | 0 | 0 | 5 | 3986.9 | 5 | 5081.2 | 5 | 3986.9 | 0 | 0 | 10 | 4538 |
| 10 | Malappuram | 3 | 2707 | 10 | 3710 | 0 | 0 | 7 | 4139.8 | 0 | 0 | 10 | 3710 |
| 11 | Kozhikode | 4 | 990.3 | 7 | 1280.4 | 1 | 672.6 | 3 | 1667.2 | 1 | 672.59 | 7 | 1280.4 |
| 12 | Wayanad | 0 | 0 | 3 | 6192.4 | 1 | 0 | 3 | 6192.4 | 0 | 0 | 4 | 6012.5 |
| 13 | Kannur | 2 | 1813 | 4 | 1686.7 | 4 | 2365.1 | 2 | 1560.5 | 0 | 0 | 8 | 2025.9 |
| 14 | Kasargod | 0 | 0 | 4 | 3046.1 | 0 | 0 | 4 | 3046.1 | 0 | 0 | 4 | 3046.1 |
| State Total | | 18 | 1615 | 72 | 3685.8 | 28 | 4338 | 54 | 4376.1 | 1 | 672.59 | 99 | 3956 |

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Table 10(i)

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

STATE: KERALA

YEAR:2018-19

STATE SAMPLE

SEASON:SUMMER

CROP:PADDY

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

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Table 10(ii)

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

STATE: KERALA

YEAR: 2018-19

CENTRAL SAMPLE

SEASON: SUMMER

CROP: PADDY

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

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Table 10(iii)

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

STATE: KERALA

YEAR: 2018-19

SEASON: SUMMER PADDY

STATE SAMPLE

| Sl.No. | District | No. of expts. Checked at harvest | HY Varieties | | | | | | Other Varieties | | | | | | Both HY & Others | | | | | |
|--------------------|--------------------|----------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|-----------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|
| | | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | |
| | | | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha |
| 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 | 3470.04 | 0 | 0 | 8 | 3470.04 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 3470.04 | 0 | 0 | 8 | 3470.04 |
| 2 | Kollam | 6 | 6 | 4127.08 | 0 | 0 | 6 | 4127.08 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4127.08 | 0 | 0 | 6 | 4127.08 |
| 3 | Pathanamthitta | 6 | 6 | 3236.78 | 0 | 0 | 6 | 3236.78 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3236.78 | 0 | 0 | 6 | 3236.78 |
| 4 | Alappuzha | 8 | 8 | 5661.3 | 0 | 0 | 8 | 5661.3 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5661.3 | 0 | 0 | 8 | 5661.3 |
| 5 | Kottayam | 6 | 6 | 5075.22 | 0 | 0 | 6 | 5075.22 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 5075.22 | 0 | 0 | 6 | 5075.22 |
| 6 | Idukki | 4 | 2 | 5014.82 | 0 | 0 | 2 | 5014.82 | 2 | 1274.32 | 0 | 0 | 2 | 1274.32 | 4 | 3144.57 | 0 | 0 | 4 | 3144.57 |
| 7 | Ernakulam | 10 | 9 | 3540.61 | 0 | 0 | 9 | 3540.61 | 1 | 1596.42 | 0 | 0 | 1 | 1596.42 | 10 | 3346.19 | 0 | 0 | 10 | 3346.19 |
| 8 | Thrissur | 8 | 8 | 5512.63 | 0 | 0 | 8 | 5512.63 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5512.63 | 0 | 0 | 8 | 5512.63 |
| 9 | Palakkad | 10 | 10 | 4949.34 | 0 | 0 | 10 | 4949.34 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 4949.34 | 0 | 0 | 10 | 4949.34 |
| 10 | Malappuram | 10 | 8 | 5359.55 | 0 | 0 | 8 | 5359.55 | 2 | 0.04 | 0 | 0 | 2 | 0.04 | 10 | 4287.65 | 0 | 0 | 10 | 4287.65 |
| 11 | Kozhikode | 8 | 4 | 3151.41 | 2 | 50.81 | 6 | 2117.88 | 2 | 1456.67 | 0 | 0 | 2 | 1456.67 | 6 | 2586.5 | 2 | 50.81 | 8 | 1952.58 |
| 12 | Wayanad | 4 | 4 | 4852.5 | 0 | 0 | 4 | 4852.5 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4852.5 | 0 | 0 | 4 | 4852.5 |
| 13 | Kannur | 8 | 8 | 3712.66 | 0 | 0 | 8 | 3712.66 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 3712.66 | 0 | 0 | 8 | 3712.66 |
| 14 | Kasargod | 4 | 4 | 3822.57 | 0 | 0 | 3 | 3822.57 | 1 | 4621.82 | 0 | 0 | 1 | 4621.82 | 4 | 4022.38 | 0 | 0 | 4 | 4022.38 |
| State Total | | 100 | 90 | 4435.95 | 2 | 50.81 | 92 | 4340.62 | 8 | 1460.04 | 0 | 0 | 8 | 1460.04 | 98 | 4193.02 | 2 | 50.81 | 100 | 4110.18 |

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Table 10(iv)

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

STATE: KERALA

YEAR: 2018-19

SEASON: SUMMER PADDY

CENTRAL SAMPLE

| Sl.No. | District | No. of expts. Checked at harvest | HY Varieties | | | | | | Other Varieties | | | | | | Both HY & Others | | | | | |
|--------------------|--------------------|----------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|-----------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|
| | | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | |
| | | | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 1 | Thiruvananthapuram | 8 | 8 | 2701.22 | 0 | 0 | 8 | 2701.22 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 2701.22 | 0 | 0 | 8 | 2701.22 |
| 2 | Kollam | 6 | 5 | 2914.06 | 1 | 189.2 | 6 | 2459.92 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2914.06 | 1 | 189.2 | 6 | 2459.92 |
| 3 | Pathanamthitta | 6 | 6 | 4936.91 | 0 | 0 | 6 | 4936.91 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4936.91 | 0 | 0 | 6 | 4936.91 |
| 4 | Alappuzha | 8 | 8 | 5151.31 | 0 | 0 | 8 | 5151.31 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5151.31 | 0 | 0 | 8 | 5151.31 |
| 5 | Kottayam | 6 | 6 | 3787.78 | 0 | 0 | 6 | 3787.78 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3787.78 | 0 | 0 | 6 | 3787.78 |
| 6 | Idukki | 4 | 2 | 5024.19 | 0 | 0 | 2 | 5024.19 | 2 | 86.22 | 0 | 0 | 2 | 86.22 | 4 | 2555.21 | 0 | 0 | 4 | 2555.21 |
| 7 | Ernakulam | 10 | 10 | 2523.91 | 0 | 0 | 10 | 2523.91 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 2523.91 | 0 | 0 | 10 | 2523.91 |
| 8 | Thrissur | 8 | 8 | 4296.28 | 0 | 0 | 8 | 4296.28 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 4296.28 | 0 | 0 | 8 | 4296.28 |
| 9 | Palakkad | 10 | 10 | 4640.17 | 0 | 0 | 10 | 4640.17 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 4640.17 | 0 | 0 | 10 | 4640.17 |
| 10 | Malappuram | 10 | 8 | 5679.69 | 2 | 4043.58 | 10 | 5352.47 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 5679.69 | 2 | 4043.58 | 10 | 5352.47 |
| 11 | Kozhikode | 8 | 5 | 3261.88 | 1 | 820.55 | 6 | 2854.99 | 1 | 2728.9 | 1 | 2092.78 | 2 | 2410.84 | 6 | 3173.05 | 2 | 1456.67 | 8 | 2743.96 |
| 12 | Wayanad | 4 | 3 | 1777 | 1 | 5508.46 | 4 | 2709.86 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1777 | 1 | 5508.46 | 4 | 2709.86 |
| 13 | Kannur | 8 | 8 | 2177.19 | 0 | 0 | 8 | 2177.19 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 2177.19 | 0 | 0 | 8 | 2177.19 |
| 14 | Kasargod | 4 | 4 | 4057.31 | 0 | 0 | 4 | 4057.31 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4057.31 | 0 | 0 | 4 | 4057.31 |
| State Total | | 100 | 91 | 3807.94 | 5 | 2921.08 | 96 | 3761.75 | 3 | 967.12 | 1 | 2092.78 | 4 | 1248.53 | 94 | 3717.28 | 6 | 2783.03 | 100 | 3661.22 |

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Table 10(v)

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

STATE: KERALA

YEAR: 2018-19

SEASON: SUMMER PADDY

STATE SAMPLE

| Sl. No. | District | Expts. Checked at Harvest stage | | Expts. Treated with Fertilizers only | | Expts. With Fertilizers | | | | | | | | Expts. Not treated with Fertilizers | |
|--------------------|--------------------|---------------------------------|----------------|--------------------------------------|------------|-------------------------|----|----|-----------------|------------|---------------------|-------|-------|-------------------------------------|------------|
| | | | | | | No. of Expts. | | | | | Rate of Application | | | | |
| | | No. | Yield Rate | No. | Yield Rate | N | P | K | Exclusive Total | Yield Rate | N | P | K | No. | Yield Rate |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Thiruvananthapuram | 8 | 3470.04 | 2 | 3460.86 | 7 | 7 | 7 | 7 | 3237.13 | 53.14 | 21.14 | 35.14 | 1 | 5100.41 |
| 2 | Kollam | 6 | 4127.08 | 2 | 6368.47 | 6 | 6 | 6 | 6 | 4127.08 | 49.55 | 22.83 | 29.67 | 0 | 0 |
| 3 | Pathanamthitta | 6 | 3236.78 | 2 | 4574.93 | 6 | 6 | 6 | 6 | 3236.78 | 49.72 | 26.09 | 30.8 | 0 | 0 |
| 4 | Alappuzha | 8 | 5661.3 | 8 | 3648.98 | 8 | 8 | 8 | 8 | 3648.98 | 53 | 20.63 | 32 | 0 | 0 |
| 5 | Kottayam | 6 | 5075.22 | 6 | 5075.22 | 6 | 6 | 6 | 6 | 5075.22 | 86 | 41 | 49 | 0 | 0 |
| 6 | Idukki | 4 | 3144.57 | 2 | 5014.82 | 2 | 2 | 1 | 2 | 5014.82 | 52.87 | 40.7 | 21.17 | 2 | 1274.32 |
| 7 | Ernakulam | 10 | 3346.19 | 4 | 3816.97 | 10 | 9 | 7 | 10 | 3346.19 | 35.25 | 23.94 | 31.74 | 0 | 0 |
| 8 | Thrissur | 8 | 5512.63 | 2 | 6907.43 | 7 | 7 | 6 | 7 | 5422.18 | 60.45 | 43.33 | 45.18 | 1 | 6145.78 |
| 9 | Palakkad | 10 | 4949.34 | 6 | 4882.21 | 10 | 9 | 9 | 10 | 4949.34 | 81.3 | 28.89 | 49.56 | 0 | 0 |
| 10 | Malappuram | 10 | 4287.65 | 3 | 2302..20 | 10 | 9 | 5 | 10 | 4287.65 | 40.44 | 21.39 | 26.74 | 0 | 0 |
| 11 | Kozhikode | 8 | 1952.58 | 0 | 0 | 4 | 4 | 3 | 4 | 3020.61 | 29.38 | 25.25 | 36 | 4 | 884.54 |
| 12 | Wayanad | 4 | 4852.5 | 1 | 6468.38 | 4 | 3 | 2 | 4 | 4133.19 | 14.5 | 96 | 0 | 0 | 0 |
| 13 | Kannur | 8 | 3712.66 | 0 | 0 | 7 | 6 | 3 | 7 | 3810.90 | 32.7 | 56 | 36.93 | 1 | 3024.96 |
| 14 | Kasargod | 4 | 4022.38 | 0 | 0 | 2 | 2 | 1 | 2 | 4755.87 | 34.5 | 34.5 | 22.2 | 2 | 3288.9 |
| State Total | | 100 | 4110.18 | 38 | 4479.8 | 89 | 84 | 70 | 89 | 4102.32 | 48.06 | 35.84 | 31.87 | 11 | 2448.7 |

Table contd.

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Table 10(v)

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

STATE: KERALA

YEAR: 2018-19

SEASON: SUMMER PADDY

STATE SAMPLE

| Sl. No. | District | Expts. Treated with manure only | | Expts. Treated with manure | | Expts. Not Treated with manure | | Expts. Treated (both) with Fertilizers & Manure | | Expts. not Treated with Fertilizers & Manure | | Expts. Treated with Fertilizers or Manure or both | |
|--------------------|---------------------------|---------------------------------|----------------|----------------------------|----------------|--------------------------------|----------------|---|----------------|--|----------------|---|----------------|
| | | No | Yield Rate | No | Yield Rate | No | Yield Rate | No | Yield Rate | No | Yield Rate | No | Yield Rate |
| 1 | 2 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 1 | Thiruvananthapuram | 1 | 5100.41 | 6 | 3473.1 | 2 | 3460.86 | 5 | 3147.64 | 0 | 0 | 8 | 3470.04 |
| 2 | Kollam | 0 | 0 | 4 | 3006.39 | 2 | 6368.47 | 4 | 3006.39 | 0 | 0 | 6 | 4127.08 |
| 3 | Pathanamthitta | 0 | 0 | 4 | 2567.69 | 2 | 4574.93 | 4 | 2567.7 | 0 | 0 | 6 | 3236.78 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 8 | 3648.98 | 0 | 0 | 0 | 0 | 8 | 3648.98 |
| 5 | Kottayam | 0 | 0 | 0 | 0 | 6 | 5075.22 | 0 | 0 | 0 | 0 | 6 | 5075.22 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 4 | 3144.57 | 0 | 0 | 2 | 1274.32 | 2 | 5014.82 |
| 7 | Ernakulam | 0 | 0 | 6 | 3032.34 | 4 | 3816.97 | 6 | 3032.34 | 0 | 0 | 10 | 3346.19 |
| 8 | Thrissur | 1 | 6145.78 | 6 | 5047.69 | 2 | 6907.43 | 5 | 4828.07 | 0 | 0 | 8 | 5512.63 |
| 9 | Palakkad | 0 | 0 | 4 | 5050.04 | 6 | 4882.21 | 4 | 5050.04 | 0 | 0 | 10 | 4949.34 |
| 10 | Malappuram | 0 | 0 | 7 | 5138.55 | 3 | 2302.20 | 7 | 5138.55 | 0 | 0 | 10 | 4287.65 |
| 11 | Kozhikode | 4 | 884.54 | 8 | 1952.58 | 0 | 0 | 4 | 3020.61 | 0 | 0 | 8 | 1952.58 |
| 12 | Wayanad | 0 | 0 | 3 | 4267.95 | 1 | 6468.38 | 3 | 2739.46 | 0 | 0 | 4 | 4818.06 |
| 13 | Kannur | 1 | 3024.96 | 8 | 3712.66 | 0 | 0 | 7 | 3810.9 | 0 | 0 | 8 | 3712.66 |
| 14 | Kasargod | 2 | 3288.89 | 4 | 4022.38 | 0 | 0 | 2 | 4755.87 | 0 | 0 | 4 | 4022.38 |
| State Total | | 9 | 2709.68 | 60 | 3700.01 | 40 | 4319.52 | 51 | 3784.86 | 2 | 1274.32 | 98 | 4002.37 |

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Table 10(vi)

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

STATE: KERALA

YEAR: 2018-19

SEASON: SUMMER PADDY

CENTRAL SAMPLE

| Sl. No. | District | Expts. Checked at Harvest stage | | Expts. Treated with Fertilizers only | | Expts. With Fertilizers | | | | | | | | Expts. Not treated with Fertilizers | |
|--------------------|---------------------------|---------------------------------|----------------|--------------------------------------|---------------|-------------------------|-----------|-----------|-----------------|---------------------|--------------|--------------|--------------|-------------------------------------|----------------|
| | | No. | Yield Rate | No. | Yield Rate | No. of Expts. | | | | Rate of Application | | | | No | Yield Rate |
| | | | | | | N | P | K | Exclusive Total | Yield Rate | N | P | K | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Thiruvananthapuram | 8 | 2701.22 | 0 | 0 | 6 | 4 | 5 | 6 | 1857.42 | 50 | 25.5 | 35.36 | 2 | 5232.6 |
| 2 | Kollam | 6 | 2459.92 | 0 | 0 | 4 | 4 | 4 | 4 | 32331.90 | 27.5 | 12 | 23.5 | 2 | 911.94 |
| 3 | Pathanamthitta | 6 | 4936.91 | 0 | 0 | 6 | 6 | 6 | 6 | 4936.91 | 70.67 | 27.5 | 31.67 | 0 | 0 |
| 4 | Alappuzha | 8 | 5151.31 | 7 | 4837.32 | 8 | 8 | 8 | 8 | 5151.31 | 107.75 | 53.88 | 61.5 | 0 | 0 |
| 5 | Kottayam | 6 | 3787.78 | 4 | 3950.1 | 6 | 6 | 6 | 6 | 3787.78 | 72.83 | 54.33 | 80.83 | 0 | 0 |
| 6 | Idukki | 4 | 2555.21 | 3 | 3349.48 | 4 | 4 | 3 | 4 | 2555.21 | 67 | 39.75 | 26.67 | 0 | 0 |
| 7 | Ernakulam | 10 | 2523.91 | 7 | 2331.93 | 10 | 10 | 10 | 10 | 2523.91 | 36.8 | 23.8 | 37.3 | 0 | 0 |
| 8 | Thrissur | 8 | 4296.28 | 4 | 3223.96 | 6 | 8 | 8 | 8 | 4296.28 | 73.67 | 63.38 | 61.25 | 0 | 0 |
| 9 | Palakkad | 10 | 4640.17 | 4 | 4150.77 | 8 | 8 | 8 | 8 | 5079.31 | 64.38 | 42.13 | 65.5 | 2 | 2883.62 |
| 10 | Malappuram | 10 | 5352.47 | 4 | 5811.71 | 10 | 10 | 9 | 10 | 5352.47 | 66.3 | 33.8 | 57 | 0 | 0 |
| 11 | Kozhikode | 8 | 2743.96 | 1 | 6733.79 | 6 | 6 | 4 | 7 | 3018.73 | 56.85 | 30.4 | 27.4 | 1 | 820.55 |
| 12 | Wayanad | 4 | 2709.86 | 1 | 5508.46 | 3 | 2 | 2 | 3 | 2286.58 | 32.67 | 19.5 | 39 | 1 | 2167.20 |
| 13 | Kannur | 8 | 2177.19 | 0 | 0 | 5 | 2 | 5 | 5 | 2235.25 | 60.8 | 16 | 48.8 | 3 | 2080.44 |
| 14 | Kasargod | 4 | 4057.31 | 1 | 4969.22 | 4 | 4 | 4 | 4 | 4057.31 | 22.75 | 22.75 | 33.75 | 0 | 0 |
| State Total | | 100 | 3661.22 | 36 | 4055.3 | 86 | 82 | 82 | 89 | 3786.79 | 57.86 | 33.23 | 44.97 | 11 | 2480.49 |

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Annual review of crop statistics 2018-19

Table 10(vi)

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

STATE: KERALA

YEAR: 2018-19

SEASON: SUMMER PADDY

CENTRAL SAMPLE

| Sl.No. | District | Expts. Treated with manure only | | Expts. Treated with manure | | Expts. Not Treated with manure | | Expts. Treated (both) with Fertilizers & Manure | | Expts. not Treated with Fertilizers & Manure | | Expts. Treated with Fertilizers or Manure or both | |
|--------------------|--------------------|---------------------------------|----------------|----------------------------|----------------|--------------------------------|----------------|---|----------------|--|--------------|---|----------------|
| | | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate | No. | Yield Rate |
| 1 | 2 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 1 | Thiruvananthapuram | 2 | 5232.6 | 8 | 2701.22 | 0 | 0 | 6 | 1857.42 | 0 | 0 | 8 | 2701.22 |
| 2 | Kollam | 1 | 1634.69 | 5 | 2914.06 | 1 | 189.2 | 4 | 3233.9 | 1 | 189.2 | 5 | 2914.06 |
| 3 | Pathanamthitta | 0 | 0 | 6 | 4936.91 | 0 | 0 | 6 | 4936.91 | 0 | 0 | 6 | 4936.91 |
| 4 | Alappuzha | 0 | 0 | 1 | 7349.2 | 7 | 4837.32 | 1 | 7349.2 | 0 | 0 | 8 | 5151.31 |
| 5 | Kottayam | 0 | 0 | 2 | 3463.15 | 4 | 3950.1 | 2 | 3463.15 | 0 | 0 | 6 | 3787.78 |
| 6 | Idukki | 0 | 0 | 1 | 172.41 | 3 | 3349.48 | 1 | 172.41 | 0 | 0 | 4 | 2555.21 |
| 7 | Ernakulam | 0 | 0 | 3 | 2971.84 | 7 | 2331.93 | 3 | 2971.84 | 0 | 0 | 10 | 2523.91 |
| 8 | Thrissur | 0 | 0 | 4 | 5368.64 | 4 | 3223.93 | 4 | 5368.64 | 0 | 0 | 8 | 4296.28 |
| 9 | Palakkad | 2 | 2883.62 | 6 | 4966.43 | 4 | 4150.77 | 4 | 6007.84 | 0 | 0 | 10 | 4640.17 |
| 10 | Malappuram | 0 | 0 | 6 | 5046.31 | 4 | 5811.71 | 6 | 5046.33 | 0 | 0 | 10 | 5352.47 |
| 11 | Kozhikode | 1 | 820.55 | 7 | 2173.98 | 1 | 6733.79 | 6 | 2399.55 | 0 | 0 | 8 | 2743.96 |
| 12 | Wayanad | 1 | 2167.20 | 3 | 1767.24 | 1 | 5508.46 | 2 | 4597.92 | 0 | 0 | 4 | 2702.54 |
| 13 | Kannur | 2 | 3120.64 | 7 | 2488.22 | 1 | 0.037 | 5 | 2235.25 | 1 | 0.037 | 7 | 2488.22 |
| 14 | Kasargod | 0 | 0 | 3 | 3753.34 | 1 | 4969.22 | 3 | 3753.34 | 0 | 0 | 4 | 4057.31 |
| State Total | | 9 | 3010.68 | 62 | 3546.98 | 38 | 3846.84 | 53 | 3752.42 | 2 | 94.62 | 98 | 3733.71 |

Annual review of crop statistics 2018-19

Table 11(i)

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

STATE:KERALA

YEAR:2018-19

STATE SAMPLE

SEASON:ANNUAL

CROP:BANANA

| Sl.No. | District | No. of Experiments | | At post harvest | Lost | Rejected for analysis | For which schedules are not received |
|--------------------|--------------------|--------------------|--------------------|-----------------|----------|-----------------------|--------------------------------------|
| | | Planned | Checked at harvest | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | 4 | 4 | | | | |
| 2 | Kollam | 4 | 4 | | | | |
| 3 | Pathanamthitta | 4 | 3 | | 1 | | |
| 4 | Alappuzha | 4 | 4 | | | | |
| 5 | Kottayam | 4 | 4 | | | | |
| 6 | Idukki | 0 | 0 | | | | |
| 7 | Ernakulam | 4 | 4 | | | | |
| 8 | Thrissur | 4 | 4 | | | | |
| 9 | Palakkad | 6 | 6 | | | | |
| 10 | Malappuram | 4 | 4 | | | | |
| 11 | Kozhikode | 4 | 4 | | | | |
| 12 | Wayanad | 0 | 0 | | | | |
| 13 | Kannur | 4 | 4 | | | | |
| 14 | Kasargod | 4 | 4 | | | | |
| State Total | | 50 | 49 | | 1 | | |

Annual review of crop statistics 2018-19

Table 11(ii)

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

STATE: KERALA

YEAR: 2018-19

CENTRAL SAMPLE

SEASON: ANNUAL

CROP: BANANA

| Sl.No. | District | No. of Experiments | | At post harvest | Lost | Rejected for analysis | For which schedules are not received |
|-------------|--------------------|--------------------|--------------------|-----------------|------|-----------------------|--------------------------------------|
| | | Planned | Checked at harvest | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | 4 | 4 | | | | |
| 2 | Kollam | 4 | 4 | | | | |
| 3 | Pathanamthitta | 4 | 4 | | | | |
| 4 | Alappuzha | 4 | 4 | | | | |
| 5 | Kottayam | 4 | 4 | | | | |
| 6 | Idukki | 0 | 0 | | | | |
| 7 | Ernakulam | 4 | 4 | | | | |
| 8 | Thrissur | 4 | 4 | | | | |
| 9 | Palakkad | 6 | 6 | | | | |
| 10 | Malappuram | 4 | 4 | | | | |
| 11 | Kozhikode | 4 | 4 | | | | |
| 12 | Wayanad | 0 | 0 | | | | |
| 13 | Kannur | 4 | 4 | | | | |
| 14 | Kasargod | 4 | 4 | | | | |
| State Total | | 50 | 50 | | | | |

Annual review of crop statistics 2018-19

Table 11(iii)

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

STATE: KERALA

YEAR: 2018-19

SEASON: ANNUAL

CROP: BANANA

STATE SAMPLE

| Sl.No. | District | No. of expts. Checked at harvest | HY Varieties | | | | | | Other Varieties | | | | | | Both HY & Others | | | | | |
|--------------------|--------------------|----------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|-----------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|
| | | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | |
| | | | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 1 | Thiruvananthapuram | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 14317 | 0 | 0 | 4 | 14316.7 | 4 | 14317 | 0 | 0 | 4 | 14316.7 |
| 2 | Kollam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7617 | 2 | 9650 | 4 | 8633.33 | 2 | 7617 | 2 | 9650 | 4 | 8633.33 |
| 3 | Pathanamthitta | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17389 | 0 | 0 | 3 | 17388.9 | 3 | 17389 | 0 | 0 | 3 | 17388.9 |
| 4 | Alappuzha | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 11956 | 1 | 13333.3 | 4 | 12300 | 3 | 11956 | 1 | 13333.3 | 4 | 12300 |
| 5 | Kottayam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16756 | 1 | 13733.3 | 4 | 16000 | 3 | 16756 | 1 | 13733.3 | 4 | 16000 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11733 | 2 | 14250 | 4 | 12991.7 | 2 | 11733 | 2 | 14250 | 4 | 12991.7 |
| 8 | Thrissur | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 13450 | 0 | 0 | 4 | 13450 | 4 | 13450 | 0 | 0 | 4 | 13450 |
| 9 | Palakkad | 6 | 0 | 0 | 1 | 22400 | 1 | 22400 | 5 | 12107 | 0 | 0 | 5 | 12106.7 | 5 | 12107 | 1 | 22400 | 6 | 13822.22 |
| 10 | Malappuram | 4 | 1 | 10733.3 | 0 | 0 | 1 | 10733.3 | 3 | 16056 | 0 | 0 | 3 | 16055.6 | 4 | 14725 | 0 | 0 | 4 | 14725 |
| 11 | Kozhikode | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 16033 | 0 | 0 | 4 | 16033.3 | 4 | 16033 | 0 | 0 | 4 | 16033.3 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 12675 | 0 | 0 | 4 | 12675 | 4 | 12675 | 0 | 0 | 4 | 12675 |
| 14 | Kasargod | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12056 | 1 | 3800 | 4 | 9991.83 | 3 | 12056 | 1 | 3800 | 4 | 9991.83 |
| State Total | | 49 | 1 | 10733.3 | 1 | 22400 | 2 | 16566.67 | 40 | 13694 | 7 | 11238.1 | 47 | 13328.4 | 41 | 13622 | 8 | 12633.3 | 49 | 13460.56 |

Annual review of crop statistics 2018-19

Table 11(iv)

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

STATE: KERALA

YEAR: 2018-19

SEASON: ANNUAL

CROP: BANANA

CENTRAL SAMPLE

| Sl.No. | District | No. of expts. Checked at harvest | HY Varieties | | | | | | Other Varieties | | | | | | Both HY & Others | | | | | |
|--------------------|--------------------|----------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|-----------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|
| | | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | |
| | | | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 1 | Thiruvananthapuram | 4 | 1 | 23133.3 | 0 | 0 | 1 | 23133.3 | 2 | 11266.7 | 1 | 13866.7 | 3 | 12133.3 | 3 | 15222.2 | 1 | 13866.7 | 4 | 14883.33 |
| 2 | Kollam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 17333.3 | 2 | 10466.7 | 4 | 13900 | 2 | 17333.3 | 2 | 10466.7 | 4 | 13900 |
| 3 | Pathanamthitta | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9633.33 | 2 | 12466.7 | 4 | 11050 | 2 | 9633.33 | 2 | 12466.7 | 4 | 11050 |
| 4 | Alappuzha | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6400 | 2 | 16066.7 | 4 | 11233.3 | 2 | 6400 | 2 | 16066.7 | 4 | 11233.3 |
| 5 | Kottayam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9300 | 2 | 10533.3 | 4 | 9916.67 | 2 | 9300 | 2 | 10533.3 | 4 | 9916.67 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15866.7 | 4 | 15866.7 | 0 | 0 | 4 | 15866.7 | 4 | 15866.7 |
| 8 | Thrissur | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 13151.7 | 0 | 0 | 4 | 13151.7 | 4 | 13151.7 | 0 | 0 | 4 | 13151.7 |
| 9 | Palakkad | 6 | 4 | 14825 | 0 | 0 | 4 | 14825 | 2 | 17266.7 | 0 | 0 | 2 | 17266.7 | 6 | 15638.9 | 0 | 0 | 6 | 15638.89 |
| 10 | Malappuram | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17011.1 | 1 | 19000 | 4 | 17508.3 | 3 | 17011.1 | 1 | 19000 | 4 | 17508.3 |
| 11 | Kozhikode | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 16066.7 | 1 | 13633.3 | 4 | 15458.3 | 3 | 16066.7 | 1 | 13633.3 | 4 | 15458.3 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 18250 | 2 | 14133.3 | 4 | 16191.7 | 2 | 18250 | 2 | 14133.3 | 4 | 16191.7 |
| 14 | Kasargod | 4 | 1 | 14933.3 | 0 | 0 | 1 | 14933.3 | 2 | 15066.7 | 1 | 17566.7 | 3 | 15900 | 3 | 15022.2 | 1 | 17566.7 | 4 | 15658.33 |
| State Total | | 50 | 6 | 16227.8 | 0 | 0 | 6 | 16227.8 | 26 | 13879.7 | 18 | 14159.3 | 44 | 13994.1 | 32 | 14320 | 18 | 14159.3 | 50 | 14262.13 |

Annual review of crop statistics 2018-19

Table 11(v)

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

STATE: KERALA

YEAR: 2018-19

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 | 14316.67 | 0 | 0 | 2 | 0 | 1 | 2 | 14816.67 | 69 | 0 | 40 | 2 | 13816.67 |
| 2 | Kollam | 4 | 8633.33 | 0 | 0 | 1 | 1 | 1 | 1 | 7500 | 92 | 40 | 120 | 3 | 9011.11 |
| 3 | Pathanamthitta | 3 | 17388.89 | 1 | 21666.7 | 2 | 2 | 1 | 2 | 17383.33 | 119 | 50 | 90 | 1 | 17400 |
| 4 | Alappuzha | 4 | 12300 | 0 | 0 | 2 | 2 | 0 | 2 | 13900 | 437.5 | 124.5 | 0 | 2 | 10700 |
| 5 | Kottayam | 4 | 16000 | 0 | 0 | 3 | 3 | 3 | 3 | 14955.56 | 287 | 151.33 | 176.33 | 1 | 19133.33 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 4 | 12991.67 | 0 | 0 | 3 | 3 | 2 | 3 | 13277.78 | 265.5 | 176.07 | 153.2 | 1 | 12133.33 |
| 8 | Thrissur | 4 | 13480 | 0 | 0 | 2 | 1 | 2 | 2 | 12150 | 89 | 40 | 120 | 2 | 14750 |
| 9 | Palakkad | 6 | 13822.22 | 1 | 10733.3 | 4 | 4 | 3 | 3 | 10344.44 | 149 | 103 | 120 | 3 | 17300 |
| 10 | Malappuram | 4 | 14725 | 0 | 0 | 4 | 4 | 3 | 4 | 14725 | 345 | 115 | 470 | 0 | 0 |
| 11 | Kozhikode | 4 | 16033.33 | 0 | 0 | 4 | 4 | 4 | 4 | 16033.33 | 155 | 169.75 | 183.76 | 0 | 0 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 12675 | 0 | 0 | 1 | 1 | 0 | 1 | 11633.33 | 200 | 200 | 0 | 3 | 13022.22 |
| 14 | Kasargod | 4 | 9991.83 | 0 | 0 | 2 | 2 | 2 | 2 | 18083.33 | 49.4 | 49.4 | 49.4 | 2 | 1900.33 |
| State Total | | 49 | 13460.56 | 2 | 16200 | 30 | 27 | 22 | 29 | 14157.47 | 188.12 | 110.82 | 152.27 | 20 | 12450.03 |

Table contd...

Annual review of crop statistics 2018-19

Table 11(v)

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

STATE: KERALA

YEAR: 2018-19

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 | 2 | 13816.67 | 4 | 14316.67 | 0 | 0 | 2 | 14816.7 | 0 | 0 | 4 | 14316.67 |
| 2 | Kollam | 3 | 9011.11 | 4 | 8633.33 | 0 | 0 | 1 | 7500 | 0 | 0 | 4 | 8633.33 |
| 3 | Pathanamthitta | 1 | 17400 | 2 | 15250 | 1 | 21666.67 | 1 | 13100 | 0 | 0 | 3 | 17388.9 |
| 4 | Alappuzha | 2 | 10700 | 4 | 12300 | 0 | 0 | 2 | 13900 | 0 | 0 | 4 | 12300 |
| 5 | Kottayam | 1 | 19133.33 | 4 | 16000 | 0 | 0 | 3 | 14955.6 | 0 | 0 | 4 | 16000 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 1 | 12133.33 | 4 | 12991.67 | 0 | 0 | 3 | 13277.8 | 0 | 0 | 4 | 12991.67 |
| 8 | Thrissur | 2 | 14750 | 4 | 13450 | 0 | 0 | 2 | 12150 | 0 | 0 | 4 | 13450 |
| 9 | Palakkad | 3 | 17300 | 5 | 14440 | 1 | 10733.33 | 2 | 10150 | 0 | 0 | 6 | 13822.2 |
| 10 | Malappuram | 0 | 0 | 4 | 14725 | 0 | 0 | 4 | 14725 | 0 | 0 | 4 | 14725 |
| 11 | Kozhikode | 0 | 0 | 4 | 16033.33 | 0 | 0 | 4 | 16033.3 | 0 | 0 | 4 | 16033.33 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 3 | 13022.22 | 4 | 12675 | 0 | 0 | 1 | 11633.3 | 0 | 0 | 4 | 11158.3 |
| 14 | Kasargod | 1 | 3800 | 3 | 13322.22 | 1 | 0.667 | 2 | 18083.3 | 1 | 0.667 | 3 | 13322.22 |
| State Total | | 19 | 13105.26 | 46 | 13634.06 | 3 | 10800.22 | 27 | 14006.2 | 1 | 0.667 | 48 | 13614.6 |

Annual review of crop statistics 2018-19

Table 11(vi)

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

STATE: KERALA

YEAR: 2018-19

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 | | N | P | K | Exclusive Total | Yield Rate | N | P | K | No. | Yield Rate |
| | | No. | Yield Rate | No. | Yield Rate | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Thiruvananthapuram | 4 | 14883.33 | 0 | 0 | 4 | 3 | 3 | 4 | 14883.33 | 102.25 | 64.67 | 155.33 | 0 | 0 |
| 2 | Kollam | 4 | 13900 | 0 | 0 | 1 | 1 | 0 | 1 | 18733.33 | 20 | 20 | 0 | 3 | 12288.89 |
| 3 | Pathanamthitta | 4 | 11050 | 0 | 0 | 4 | 4 | 2 | 4 | 11050 | 151.25 | 82.75 | 149 | 0 | 0 |
| 4 | Alappuzha | 4 | 11233.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 11233.33 |
| 5 | Kottayam | 4 | 9916.67 | 0 | 0 | 4 | 3 | 4 | 4 | 9916.67 | 214.75 | 130.33 | 266.5 | 0 | 0 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 4 | 15866.67 | 0 | 0 | 2 | 1 | 1 | 2 | 15300 | 57.5 | 46 | 21 | 2 | 16433.33 |
| 8 | Thrissur | 4 | 13151.67 | 0 | 0 | 3 | 3 | 3 | 3 | 14546.67 | 134.67 | 87.33 | 103.33 | 1 | 8966.67 |
| 9 | Palakkad | 6 | 15638.89 | 0 | 0 | 6 | 6 | 4 | 6 | 15638.89 | 59.83 | 38 | 40 | 0 | 0 |
| 10 | Malappuram | 4 | 17508.33 | 0 | 0 | 4 | 3 | 4 | 4 | 17508.33 | 168 | 164.33 | 171.5 | 0 | 0 |
| 11 | Kozhikode | 4 | 15458.33 | 0 | 0 | 3 | 3 | 3 | 3 | 15411.11 | 403 | 382 | 678.33 | 1 | 15600 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 16191.67 | 0 | 0 | 3 | 3 | 1 | 3 | 17677.78 | 90 | 90 | 270 | 1 | 11733.33 |
| 14 | Kasargod | 4 | 15658.33 | 2 | 15533.3 | 3 | 1 | 2 | 3 | 16211.11 | 205.33 | 360 | 250 | 1 | 14000 |
| State Total | | 50 | 14262.13 | 2 | 15533.3 | 37 | 31 | 27 | 37 | 14814.59 | 146.05 | 133.22 | 210.5 | 13 | 12689.74 |

Table contd.

Annual review of crop statistics 2018-19

Table 11(vi)

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

STATE: KERALA

YEAR: 2018-19

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 | 0 | 0 | 4 | 14883.33 | 0 | 0 | 4 | 14883.3 | 0 | 0 | 4 | 14883.33 |
| 2 | Kollam | 3 | 12288.89 | 4 | 13900 | 0 | 0 | 1 | 18733.3 | 0 | 0 | 4 | 13900 |
| 3 | Pathanamthitta | 0 | 0 | 4 | 11050 | 0 | 0 | 4 | 11050 | 0 | 0 | 4 | 11050 |
| 4 | Alappuzha | 4 | 11233.33 | 4 | 11233.33 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 11233.33 |
| 5 | Kottayam | 0 | 0 | 4 | 9916.67 | 0 | 0 | 4 | 9916.67 | 0 | 0 | 4 | 9916.67 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 2 | 16433.33 | 4 | 15866.67 | 0 | 0 | 2 | 15300 | 0 | 0 | 4 | 15866.67 |
| 8 | Thrissur | 1 | 8966.67 | 4 | 13152.5 | 0 | 0 | 3 | 14547.8 | 0 | 0 | 4 | 13151.67 |
| 9 | Palakkad | 0 | 0 | 6 | 15638.89 | 0 | 0 | 6 | 15638.9 | 0 | 0 | 6 | 15638.89 |
| 10 | Malappuram | 0 | 0 | 4 | 17508.33 | 0 | 0 | 4 | 17508.3 | 0 | 0 | 4 | 17508.33 |
| 11 | Kozhikode | 1 | 15600 | 4 | 15458.33 | 0 | 0 | 3 | 15411.1 | 0 | 0 | 4 | 15458.33 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 1 | 11733.33 | 4 | 16191.67 | 0 | 0 | 3 | 17677.8 | 0 | 0 | 4 | 16191.67 |
| 14 | Kasargod | 1 | 14000 | 2 | 15783.33 | 2 | 15533.3 | 1 | 17566.7 | 0 | 0 | 4 | 15658.33 |
| State Total | | 13 | 12689.74 | 48 | 14209.24 | 2 | 15533.3 | 35 | 14773.6 | 0 | 0 | 50 | 14262.13 |

Annual review of crop statistics 2018-19
Table 12(i)

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

STATE:KERALA

YEAR:2018-19

STATE SAMPLE

SEASON:ANNUAL

CROP:TAPIOCA

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

Annual review of crop statistics 2018-19

Table 12(ii)

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

STATE: KERALA

YEAR: 2018-19

CENTRAL SAMPLE

SEASON: ANNUAL

CROP: TAPIOCA

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

Annual review of crop statistics 2018-19

Table 12(iii)

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

| STATE: KERALA | | | YEAR: 2018-19 | | | | | | SEASON: ANNUAL | | | | | | CROP:TAPIOCA | | | STATE SAMPLE | | | | | |
|--------------------|--------------------|--------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|-----------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|--|--|--|
| Sl.No. | District | No.of expts.Checked at harvest | HY Varieties | | | | | | Other Varieties | | | | | | Both HY & Others | | | | | | | | |
| | | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | | | |
| | | | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | | | |
| 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 | 45750 | 2 | 36625 | 3 | 39666.67 | 0 | 0 | 1 | 25625 | 1 | 25625 | 1 | 45750 | 3 | 32958.33 | 4 | 36156.25 | | | |
| 2 | Kollam | 4 | 0 | 0 | 1 | 24000 | 1 | 24000 | 2 | 7812.5 | 1 | 65250 | 3 | 26958.3 | 2 | 7812.5 | 2 | 44625 | 4 | 26218.75 | | | |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 5 | Kottayam | 4 | 0 | 0 | 2 | 27875 | 2 | 27875 | 0 | 0 | 2 | 40000 | 2 | 40000 | 0 | 0 | 4 | 33937.5 | 4 | 33937.5 | | | |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7 | Ernakulam | 4 | 0 | 0 | 3 | 40416.67 | 3 | 40416.67 | 0 | 0 | 1 | 66250 | 1 | 66250 | 0 | 0 | 4 | 46875 | 4 | 46875 | | | |
| 8 | Thrissur | 4 | 1 | 12500 | 0 | 0 | 1 | 12500 | 2 | 36375 | 1 | 18750 | 3 | 30500 | 3 | 28416.7 | 1 | 18750 | 4 | 26000 | | | |
| 9 | Palakkad | 4 | 1 | 34375 | 2 | 15812.5 | 3 | 22000 | 1 | 18875 | 0 | 0 | 1 | 18875 | 2 | 26625 | 2 | 15812.5 | 4 | 21218.75 | | | |
| 10 | Malappuram | 4 | 1 | 39050 | 0 | 0 | 1 | 39050 | 2 | 13375 | 1 | 3125 | 3 | 9958.33 | 3 | 21933.3 | 1 | 3125 | 4 | 17231.25 | | | |
| 11 | Kozhikode | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 13625 | 2 | 30062.5 | 4 | 21843.8 | 2 | 13625 | 2 | 30062.5 | 4 | 21843.75 | | | |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 13 | Kannur | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 25718.8 | 4 | 25718.8 | 0 | 0 | 4 | 25718.75 | 4 | 25718.75 | | | |
| 14 | Kasargod | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 28062.5 | 4 | 28062.5 | 0 | 0 | 4 | 28062.5 | 4 | 28062.5 | | | |
| State Total | | 40 | 4 | 32919 | 10 | 30587.5 | 14 | 31253.57 | 9 | 17917 | 17 | 31426.5 | 26 | 26750 | 13 | 22532.7 | 27 | 31115.74 | 40 | 28326.25 | | | |

Table 12(iv)

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

STATE: KERALA

Annual review of crop statistics 2018-19
YEAR: 2018-19

SEASON: ANNUAL

CROP:TAPIOCA

CENTRAL SAMPLE

| Sl. No | District | No. of expts. Checked at harvest | HY Varieties | | | | | | Other Varieties | | | | | | Both HY & Others | | | | | |
|-------------|--------------------|----------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|-----------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|
| | | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | |
| | | | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 1 | Thiruvananthapuram | 4 | 0 | 0 | 1 | 17500 | 1 | 17500 | 0 | 0 | 3 | 31666.67 | 3 | 31667 | 0 | 0 | 4 | 28125 | 4 | 28125 |
| 2 | Kollam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 21750 | 4 | 21750 | 0 | 0 | 4 | 21750 | 4 | 21750 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 4 | 0 | 0 | 2 | 38000 | 2 | 38000 | 0 | 0 | 2 | 24562.5 | 2 | 24563 | 0 | 0 | 4 | 31281.25 | 4 | 31281.25 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 4 | 0 | 0 | 2 | 69500 | 2 | 69500 | 2 | 50625 | 0 | 0 | 2 | 50625 | 2 | 50625 | 2 | 69500 | 4 | 60062.5 |
| 8 | Thrissur | 4 | 1 | 58750 | 0 | 0 | 1 | 58750 | 2 | 39687.5 | 1 | 6500 | 3 | 28625 | 3 | 46041.7 | 1 | 6500 | 4 | 36156.25 |
| 9 | Palakkad | 4 | 2 | 45938 | 1 | 6600 | 3 | 32825 | 1 | 29500 | 0 | 0 | 1 | 29500 | 3 | 40458.3 | 1 | 6600 | 4 | 31993.75 |
| 10 | Malappuram | 4 | 0 | 0 | 2 | 58125 | 2 | 58125 | 1 | 0.25 | 1 | 11250 | 2 | 5625.1 | 1 | 0.25 | 3 | 42500 | 4 | 31875.06 |
| 11 | Kozhikode | 4 | 3 | 32750 | 0 | 0 | 3 | 32750 | 0 | 0 | 1 | 5250 | 1 | 5250 | 3 | 32750 | 1 | 5250 | 4 | 25875 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 21750 | 2 | 37250 | 4 | 29500 | 2 | 21750 | 2 | 37250 | 4 | 29500 |
| 14 | Kasargod | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 31875 | 4 | 31875 | 0 | 0 | 4 | 31875 | 4 | 31875 |
| State Total | | 40 | 6 | 41479 | 8 | 44418.75 | 14 | 43158.93 | 8 | 31703.16 | 18 | 25340.28 | 26 | 27298 | 14 | 35892.9 | 26 | 31210.58 | 40 | 32849.38 |

Table 12(v)

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

Annual review of crop statistics 2018-19

STATE: KERALA

YEAR: 2018-19

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 | 36156.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 36156.25 |
| 2 | Kollam | 4 | 26218.75 | 0 | 0 | 1 | 1 | 1 | 1 | 24000 | 82.2 | 82.2 | 246.6 | 3 | 26958.33 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 4 | 33937.5 | 1 | 35000 | 1 | 1 | 1 | 1 | 35000 | 465 | 465 | 465 | 3 | 33583.33 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 4 | 46875 | 0 | 0 | 1 | 1 | 1 | 1 | 53000 | 160 | 160 | 320 | 3 | 44833.33 |
| 8 | Thrissur | 4 | 26000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 26000 |
| 9 | Palakkad | 4 | 21218.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 21218.75 |
| 10 | Malappuram | 4 | 17231.25 | 0 | 0 | 1 | 1 | 1 | 1 | 39050 | 22.32 | 22.32 | 22.32 | 3 | 9958.33 |
| 11 | Kozhikode | 4 | 21843.75 | 0 | 0 | 2 | 1 | 2 | 2 | 13625 | 131 | 78 | 183 | 2 | 30062.5 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 25718.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 25718.75 |
| 14 | Kasargod | 4 | 28062.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 28062.5 |
| State Total | | 40 | 28326.25 | 1 | 35000 | 6 | 5 | 6 | 6 | 29716.67 | 172.1 | 161.5 | 247.38 | 34 | 28080.88 |

Table contd.

Table 12(v)

Annual review of crop statistics 2018-19

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

STATE: KERALA

YEAR: 2018-19

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 | 4 | 36156.25 | 4 | 36156.25 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 36156.25 |
| 2 | Kollam | 1 | 65250 | 2 | 44625 | 2 | 7812.5 | 1 | 24000 | 2 | 7812.5 | 2 | 44625 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 3 | 33583.33 | 3 | 33583.33 | 1 | 35000 | 0 | 0 | 0 | 0 | 4 | 33937.5 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 3 | 44833.33 | 4 | 46875 | 0 | 0 | 1 | 53000 | 0 | 0 | 4 | 46875 |
| 8 | Thrissur | 3 | 23833.33 | 3 | 23833.33 | 1 | 32500 | 0 | 0 | 1 | 32500 | 3 | 23833.33 |
| 9 | Palakkad | 3 | 25625 | 3 | 25625 | 1 | 8000 | 0 | 0 | 1 | 8000 | 3 | 25625 |
| 10 | Malappuram | 3 | 9958.33 | 4 | 17231.25 | 0 | 0 | 1 | 39050 | 0 | 0 | 4 | 17231.25 |
| 11 | Kozhikode | 2 | 30062.5 | 4 | 21843.75 | 0 | 0 | 2 | 13625 | 0 | 0 | 4 | 21843.75 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 1 | 37375 | 1 | 37375 | 3 | 21833.33 | 0 | 0 | 3 | 21833.33 | 1 | 37375 |
| 14 | Kasargod | 4 | 28062.5 | 4 | 28062.5 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 28062.5 |
| State Total | | 27 | 30856.48 | 32 | 30513.28 | 8 | 19578.12 | 5 | 28660 | 7 | 17375 | 33 | 30649.24 |

Annual review of crop statistics 2018-19

Table 12(vi)

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

STATE: KERALA

YEAR: 2018-19

SEASON: ANNUAL

CROP: TAPIOCA

CENTRAL SAMPLE

| Sl. No. | District | Expts. Checked at Harvest stage | | Expts. Treated with Fertilizers only | | Expts. With Fertilizers | | | | | | | | Expts. Not treated with Fertilizers | |
|--------------------|--------------------|---------------------------------|-----------------|--------------------------------------|-----------------|-------------------------|----------|----------|-----------------|-----------------|---------------------|--------------|---------------|-------------------------------------|-----------------|
| | | | | | | No. of Expts. | | | | | 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 | 28125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 28125 |
| 2 | Kollam | 4 | 21750 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 21750 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 4 | 31281.25 | 1 | 35000 | 2 | 2 | 2 | 2 | 38000 | 262.5 | 262.5 | 362.5 | 2 | 24562.5 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 4 | 60062.5 | 0 | 0 | 2 | 0 | 1 | 2 | 69500 | 78.5 | 0 | 131 | 2 | 50625 |
| 8 | Thrissur | 4 | 36156.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 36156.25 |
| 9 | Palakkad | 4 | 31993.75 | 2 | 29237.5 | 2 | 2 | 2 | 2 | 29237.5 | 85.5 | 147 | 196.5 | 2 | 34750 |
| 10 | Malappuram | 4 | 31875.06 | 0 | 0 | 2 | 1 | 0 | 2 | 31875.13 | 419 | 193 | 0 | 2 | 31875 |
| 11 | Kozhikode | 4 | 25875 | 0 | 0 | 1 | 1 | 1 | 1 | 42500 | 65 | 65 | 65 | 3 | 20333.33 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 29500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 29500 |
| 14 | Kasargod | 4 | 31875 | 0 | 0 | 1 | 1 | 0 | 1 | 45375 | 216 | 216 | 0 | 3 | 27375 |
| State Total | | 40 | 32849.38 | 3 | 31158.33 | 10 | 7 | 6 | 10 | 42510.03 | 187.75 | 176.7 | 188.75 | 30 | 29629.17 |

Table contd.

Annual review of crop statistics 2018-19

Table 12(vi)

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

STATE: KERALA

YEAR: 2018-19

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 | 2 | 25625 | 2 | 25625 | 2 | 30625 | 0 | 0 | 2 | 30625 | 2 | 25625 |
| 2 | Kollam | 3 | 20000 | 3 | 20000 | 1 | 27000 | 0 | 0 | 1 | 27000 | 3 | 20000 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 1 | 24875 | 2 | 32937.5 | 2 | 29625 | 1 | 41000 | 1 | 24250 | 3 | 33625 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 2 | 50625 | 4 | 60062.5 | 0 | 0 | 2 | 69500 | 0 | 0 | 4 | 60062.5 |
| 8 | Thrissur | 3 | 46041.67 | 3 | 46041.67 | 1 | 6500 | 0 | 0 | 1 | 6500 | 3 | 46041.67 |
| 9 | Palakkad | 2 | 34750 | 2 | 34750 | 2 | 29237.5 | 0 | 0 | 0 | 0 | 4 | 31993.75 |
| 10 | Malappuram | 0 | 0 | 2 | 31875.12 | 2 | 31875 | 2 | 31875.1 | 2 | 31875 | 2 | 31875.12 |
| 11 | Kozhikode | 2 | 27875 | 3 | 32750 | 1 | 5250 | 1 | 42500 | 1 | 5250 | 3 | 32750 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 2 | 37250 | 2 | 37250 | 2 | 21750 | 0 | 0 | 2 | 21750 | 2 | 37250 |
| 14 | Kasargod | 3 | 27375 | 4 | 31875 | 0 | 0 | 1 | 45375 | 0 | 0 | 4 | 31875 |
| State Total | | 20 | 32868.75 | 27 | 36629.64 | 13 | 24998.08 | 7 | 47375 | 10 | 23150 | 30 | 36082.51 |

Annual review of crop statistics 2018-19
Table 13(i)

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

STATE:KERALA

YEAR:2018-19

STATE SAMPLE

SEASON:PERENNIAL

CROP:COCONUT

| Sl.No. | District | No. of Experiments | | At post harvest | Lost | Rejected for analysis | For which schedules are not received |
|-------------|--------------------|--------------------|--------------------|-----------------|------|-----------------------|--------------------------------------|
| | | Planned | Checked at harvest | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | 4 | 4 | | | | |
| 2 | Kollam | 4 | 4 | | | | |
| 3 | Pathanamthitta | 0 | 0 | | | | |
| 4 | Alappuzha | 4 | 4 | | | | |
| 5 | Kottayam | 4 | 4 | | | | |
| 6 | Idukki | 4 | 4 | | | | |
| 7 | Ernakulam | 4 | 4 | | | | |
| 8 | Thrissur | 4 | 4 | | | | |
| 9 | Palakkad | 6 | 6 | | | | |
| 10 | Malappuram | 4 | 4 | | | | |
| 11 | Kozhikode | 4 | 4 | | | | |
| 12 | Wayanad | 0 | 0 | | | | |
| 13 | Kannur | 4 | 4 | | | | |
| 14 | Kasargod | 4 | 4 | | | | |
| State Total | | 50 | 50 | | | | |

Annual review of crop statistics 2018-19
Table 13(ii)

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

STATE:KERALA

YEAR:2018-19

CENTRAL SAMPLE

SEASON:PERENNIAL

CROP:COCONUT

| Sl.No. | District | No. of Experiments | | At post harvest | Lost | Rejected for analysis | For which schedules are not received |
|-------------|--------------------|--------------------|--------------------|-----------------|------|-----------------------|--------------------------------------|
| | | Planned | Checked at harvest | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Thiruvananthapuram | 4 | 4 | | | | |
| 2 | Kollam | 4 | 4 | | | | |
| 3 | Pathanamthitta | 0 | 0 | | | | |
| 4 | Alappuzha | 4 | 4 | | | | |
| 5 | Kottayam | 4 | 4 | | | | |
| 6 | Idukki | 4 | 4 | | | | |
| 7 | Ernakulam | 4 | 4 | | | | |
| 8 | Thrissur | 4 | 4 | | | | |
| 9 | Palakkad | 6 | 6 | | | | |
| 10 | Malappuram | 4 | 4 | | | | |
| 11 | Kozhikode | 4 | 4 | | | | |
| 12 | Wayanad | 0 | 0 | | | | |
| 13 | Kannur | 4 | 4 | | | | |
| 14 | Kasargod | 4 | 4 | | | | |
| State Total | | 50 | 50 | | | | |

Annual review of crop statistics 2018-19

Table 13(iii)

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

| STATE: KERALA | | YEAR: 2018-19 | | | | | | | SEASON: PERENNIAL | | | | | | CROP: COCONUT | | | STATE SAMPLE | | | |
|--------------------|--------------------|----------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|-------------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|--|
| Sl.No. | District | No. of expts. Checked at harvest | HY Varieties | | | | | | Other Varieties | | | | | | Both HY & Others | | | | | | |
| | | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | |
| | | | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | |
| 1 | Thiruvananthapuram | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6900.8 | 4 | 6900.8 | 0 | 0 | 4 | 6900.8 | 4 | 6900.8 | |
| 2 | Kollam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7066.5 | 4 | 7066.5 | 0 | 0 | 4 | 7066.5 | 4 | 7066.5 | |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4 | Alappuzha | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10830.9 | 4 | 10830.9 | 0 | 0 | 4 | 10830.9 | 4 | 10830.9 | |
| 5 | Kottayam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4729.4 | 4 | 4729.4 | 0 | 0 | 4 | 4729.4 | 4 | 4729.4 | |
| 6 | Idukki | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3325 | 4 | 3325 | 0 | 0 | 4 | 3325 | 4 | 3325 | |
| 7 | Ernakulam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6426.75 | 4 | 6426.75 | 0 | 0 | 4 | 6426.75 | 4 | 6426.75 | |
| 8 | Thrissur | 4 | 1 | 24060.8 | 0 | 0 | 1 | 24060.8 | 1 | 9682 | 2 | 4243.6 | 3 | 6056.4 | 2 | 16871.4 | 2 | 4243.6 | 4 | 10557.5 | |
| 9 | Palakkad | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 10731 | 1 | 11755.2 | 6 | 10902 | 5 | 10731.4 | 1 | 11755.2 | 6 | 10902 | |
| 10 | Malappuram | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8893 | 1 | 3851.2 | 4 | 7632.8 | 3 | 8893.33 | 1 | 3851.2 | 4 | 7632.8 | |
| 11 | Kozhikode | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8643 | 4 | 8643 | 0 | 0 | 4 | 8643 | 4 | 8643 | |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 13 | Kannur | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8578.5 | 4 | 8578.5 | 0 | 0 | 4 | 8578.5 | 4 | 8578.5 | |
| 14 | Kasargod | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10424 | 0 | 0 | 4 | 10424.4 | 4 | 10424.4 | 0 | 0 | 4 | 10424.4 | |
| State Total | | 50 | 1 | 24060.8 | 0 | 0 | 1 | 24060.8 | 13 | 10132 | 36 | 6947.14 | 49 | 7792.11 | 14 | 11126.9 | 36 | 6947.14 | 50 | 8117.48 | |

Annual review of crop statistics 2018-19

Table 13(iv)

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

STATE: KERALA

YEAR: 2018-19

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 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6469.5 | 2 | 12507.7 | 4 | 9488.6 | 2 | 6469.5 | 2 | 12507.7 | 4 | 9488.6 |
| 2 | Kollam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9975 | 4 | 9975 | 0 | 0 | 4 | 9975 | 4 | 9975 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6671.55 | 4 | 6671.55 | 0 | 0 | 4 | 6671.55 | 4 | 6671.55 |
| 5 | Kottayam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7885.9 | 4 | 7885.9 | 0 | 0 | 4 | 7885.9 | 4 | 7885.9 |
| 6 | Idukki | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9940 | 2 | 5075 | 4 | 7507.5 | 2 | 9940 | 2 | 5075 | 4 | 7507.5 |
| 7 | Ernakulam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7064.2 | 3 | 5099.6 | 4 | 8590.75 | 1 | 7064.2 | 3 | 5099.6 | 4 | 8590.75 |
| 8 | Thrissur | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17056.8 | 1 | 5479.6 | 4 | 14162.5 | 3 | 17056.8 | 1 | 5479.6 | 4 | 14162.5 |
| 9 | Palakkad | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6114.6 | 4 | 6244.95 | 6 | 6201.5 | 2 | 6114.6 | 4 | 6244.95 | 6 | 6201.5 |
| 10 | Malappuram | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7331.2 | 3 | 11089.6 | 4 | 10150 | 1 | 7331.2 | 3 | 11089.6 | 4 | 10150 |
| 11 | Kozhikode | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9556.75 | 4 | 9556.75 | 0 | 0 | 4 | 9556.75 | 4 | 9556.75 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9597 | 2 | 8337 | 4 | 8967 | 2 | 9597 | 2 | 8337 | 4 | 8967 |
| 14 | Kasargod | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 10159.2 | 2 | 9669.6 | 4 | 9914.4 | 2 | 10159.2 | 2 | 9669.6 | 4 | 9914.4 |
| State Total | | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 10008.43 | 35 | 8187.5 | 50 | 8733.78 | 15 | 10008.43 | 35 | 8187.5 | 50 | 8733.78 |

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Table 13(v)

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

STATE: KERALA

YEAR: 2018-19

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. 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 | 6900.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6900.8 |
| 2 | Kollam | 4 | 7066.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7066.5 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 4 | 10830.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10830.9 |
| 5 | Kottayam | 4 | 4729.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4729.4 |
| 6 | Idukki | 4 | 3325 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3325 |
| 7 | Ernakulam | 4 | 6426.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6426.75 |
| 8 | Thrissur | 4 | 10557.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10557.5 |
| 9 | Palakkad | 6 | 10902 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10902 |
| 10 | Malappuram | 4 | 7632.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 7632.8 |
| 11 | Kozhikode | 4 | 8643 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8643 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 8578.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8578.5 |
| 14 | Kasargod | 4 | 10424.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10424.4 |
| State Total | | 50 | 8117.48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 8117.48 |

Table contd.

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Table 13(v)

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

STATE: KERALA

YEAR: 2018-19

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 | 7127.8 | 2 | 7127.8 | 2 | 6673.8 | 0 | 0 | 2 | 6673.8 | 2 | 7127.8 |
| 2 | Kollam | 1 | 9954 | 1 | 9954 | 3 | 6104 | 0 | 0 | 3 | 6104 | 1 | 9954 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 4 | 10830.9 | 4 | 10830.9 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10830.9 |
| 5 | Kottayam | 0 | 0 | 0 | 0 | 4 | 4729.4 | 0 | 0 | 4 | 4729.4 | 0 | 0 |
| 6 | Idukki | 1 | 5250 | 1 | 5250 | 3 | 3593.33 | 0 | 0 | 3 | 2683.33 | 1 | 5250 |
| 7 | Ernakulam | 3 | 6715.87 | 3 | 6715.87 | 1 | 5559.4 | 0 | 0 | 1 | 5559.4 | 3 | 6715.87 |
| 8 | Thrissur | 4 | 10557.5 | 4 | 10557.5 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10557.5 |
| 9 | Palakkad | 6 | 10902 | 6 | 10902 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 10902 |
| 10 | Malappuram | 2 | 11089.6 | 2 | 11089.6 | 2 | 4176 | 0 | 0 | 2 | 4176 | 2 | 11089.6 |
| 11 | Kozhikode | 4 | 8643 | 4 | 8643 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 8643 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 2 | 9177 | 2 | 9177 | 2 | 7980 | 0 | 0 | 2 | 7980 | 2 | 9177 |
| 14 | Kasargod | 4 | 10424.4 | 4 | 10424.4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 10424.4 |
| State Total | | 33 | 9617.44 | 33 | 9617.44 | 17 | 5366.39 | 0 | 0 | 17 | 5205.8 | 33 | 9617.44 |

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Table 13(vi)

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

STATE: KERALA

YEAR: 2018-19

SEASON: PERENNIAL

CROP: COCONUT

CENTRAL SAMPLE

| Sl. No. | District | Expts. Checked at Harvest stage | | Expts. Treated with Fertilizers only | | Expts. With Fertilizers | | | | | | | | Expts. Not treated with Fertilizers | |
|--------------------|--------------------|---------------------------------|------------|--------------------------------------|---------------|-------------------------|---|---|-----------------|----------------|---------------------|--------------|---------------|-------------------------------------|----------------|
| | | No. | Yield Rate | No. | 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 | 9488.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9488.6 |
| 2 | Kollam | 4 | 9975 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9975 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 4 | 6671.55 | 0 | 0 | 2 | 2 | 2 | 2 | 5474.7 | 32.5 | 16 | 2 | 2 | 7868.4 |
| 5 | Kottayam | 4 | 7885.9 | 0 | 0 | 1 | 1 | 1 | 1 | 9972.4 | 27 | 26 | 35 | 3 | 7190.4 |
| 6 | Idukki | 4 | 7507.5 | 1 | 3955 | 1 | 1 | 0 | 1 | 3955 | 20 | 20 | 0 | 3 | 8691.67 |
| 7 | Ernakulam | 4 | 5590.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5590.75 |
| 8 | Thrissur | 4 | 14162.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 14162.5 |
| 9 | Palakkad | 6 | 6201.5 | 1 | 5782.8 | 1 | 1 | 0 | 1 | 5782.8 | 55 | 55 | 0 | 5 | 6285.24 |
| 10 | Malappuram | 4 | 10150 | 0 | 0 | 1 | 1 | 1 | 1 | 7331.2 | 43 | 22 | 86 | 3 | 11089.6 |
| 11 | Kozhikode | 4 | 9556.75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9556.75 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 8967 | 0 | 0 | 1 | 1 | 1 | 1 | 7980 | 137 | 24 | 294 | 3 | 9296 |
| 14 | Kasargod | 4 | 9914.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9914.4 |
| State Total | | 50 | 8733.78 | 2 | 4868.9 | 7 | 7 | 5 | 7 | 6567.26 | 52.42 | 27.17 | 104.25 | 43 | 9086.47 |

Table contd.

Annual review of crop statistics 2018-19

Table 13(vi)

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

STATE: KERALA

YEAR: 2018-19

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 | 2 | 6469.5 | 2 | 6469.5 | 2 | 12507.7 | 0 | 0 | 2 | 12507.7 | 2 | 6469.5 |
| 2 | Kollam | 4 | 9975 | 4 | 9975 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9975 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 2 | 5474.7 | 2 | 7868.4 | 2 | 5474.4 | 2 | 7868.4 | 2 | 5474.7 |
| 5 | Kottayam | 0 | 0 | 1 | 9972.4 | 3 | 7190.4 | 1 | 9972.4 | 3 | 7190.4 | 1 | 9972.4 |
| 6 | Idukki | 1 | 6195 | 1 | 6195 | 3 | 7945 | 0 | 0 | 2 | 9940 | 2 | 5075 |
| 7 | Ernakulam | 3 | 5865.93 | 3 | 5865.93 | 1 | 4765.2 | 0 | 0 | 1 | 4765.2 | 3 | 5865.93 |
| 8 | Thrissur | 4 | 14162.5 | 4 | 14162.5 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 14162.5 |
| 9 | Palakkad | 2 | 6114.6 | 2 | 6114.5 | 4 | 6244.95 | 0 | 0 | 3 | 6399 | 3 | 6004 |
| 10 | Malappuram | 0 | 0 | 1 | 7331.2 | 3 | 11089.6 | 1 | 7331.2 | 3 | 11089.6 | 1 | 7331.2 |
| 11 | Kozhikode | 4 | 9556.75 | 4 | 9556.75 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9556.75 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 3 | 9296 | 4 | 8967 | 0 | 0 | 1 | 7980 | 0 | 0 | 4 | 8967 |
| 14 | Kasargod | 4 | 9914.4 | 4 | 9914.4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 9914.4 |
| State Total | | 27 | 9306.8 | 32 | 8984.89 | 18 | 8287.34 | 5 | 7246.6 | 16 | 8714.65 | 34 | 8742.78 |

Annual review of crop statistics 2018-19

Table 14(i)

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

STATE:KERALA

YEAR:2018-19

STATE SAMPLE

SEASON:PERENNIAL

CROP:PEPPER

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

Annual review of crop statistics 2018-19

Table 14(ii)

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

STATE:KERALA

YEAR:2018-19

CENTRAL SAMPLE

SEASON:PERENNIAL

CROP:PEPPER

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

Annual review of crop statistics 2018-19

Table 14(iii)

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

STATE: KERALA

YEAR: 2018-19

SEASON: PERENNIAL

CROP:PEPPER

STATE SAMPLE

| Sl.No. | District | No.of expts.Checked at harvest | HY Varieties | | | | | | Other Varieties | | | | | | Both HY & Others | | | | | |
|--------------------|--------------------|--------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|-----------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|
| | | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | |
| | | | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 1 | Thiruvananthapuram | 4 | 0 | 0 | 2 | 593.94 | 2 | 593.94 | 0 | 0 | 2 | 283.04 | 2 | 283.04 | 0 | 0 | 4 | 438.49 | 4 | 438.49 |
| 2 | Kollam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 281.39 | 4 | 281.39 | 0 | 0 | 4 | 281.39 | 4 | 281.39 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 4 | 0 | 0 | 2 | 365.53 | 2 | 365.53 | 0 | 0 | 2 | 312.37 | 2 | 312.37 | 0 | 0 | 4 | 338.95 | 4 | 338.95 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 4 | 0 | 0 | 2 | 282.67 | 2 | 282.67 | 0 | 0 | 2 | 263.97 | 2 | 263.97 | 0 | 0 | 4 | 273.32 | 4 | 273.32 |
| 8 | Thrissur | 4 | 1 | 1260.47 | 1 | 1205.48 | 2 | 1232.98 | 2 | 170 | 0 | 0 | 2 | 170.12 | 3 | 533.57 | 1 | 1205.48 | 4 | 701.55 |
| 9 | Palakkad | 4 | 0 | 0 | 3 | 717.86 | 3 | 717.86 | 1 | 292 | 0 | 0 | 1 | 291.84 | 1 | 291.84 | 3 | 717.86 | 4 | 611.36 |
| 10 | Malappuram | 4 | 0 | 0 | 1 | 580.74 | 1 | 580.74 | 2 | 377 | 1 | 209.71 | 3 | 321.41 | 2 | 377.26 | 2 | 395.23 | 4 | 386.24 |
| 11 | Kozhikode | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 209.16 | 4 | 209.16 | 0 | 0 | 4 | 209.16 | 4 | 209.16 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 0 | 0 | 2 | 230.98 | 2 | 230.98 | 0 | 0 | 2 | 325.93 | 2 | 325.93 | 0 | 0 | 4 | 278.46 | 4 | 278.46 |
| 14 | Kasargod | 4 | 1 | 1202.55 | 0 | 0 | 1 | 1202.55 | 3 | 1215 | 0 | 0 | 3 | 1215.26 | 4 | 1212.08 | 0 | 0 | 4 | 1212.08 |
| State Total | | 40 | 2 | 1231.51 | 13 | 529.7 | 15 | 623.27 | 8 | 629 | 17 | 267.21 | 25 | 383 | 10 | 749.54 | 30 | 380.95 | 40 | 473.1 |

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Table 14(iv)

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

| STATE: KERALA | | YEAR: 2018-19 | | | | | | SEASON: PERENNIAL | | | | | | CROP: PEPPER | | | | | | CENTRAL SAMPLE | | | | | |
|--------------------|--------------------|----------------------------------|---------------|------------------|---------------|------------------|---------------|-------------------|-----------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|--|--|--|
| Sl. No. | District | No. of expts. Checked at harvest | HY Varieties | | | | | | Other Varieties | | | | | | Both HY & Others | | | | | | | | | | |
| | | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | | | | | |
| | | | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | | | | | |
| 1 | Thiruvananthapuram | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 346.65 | 4 | 346.65 | 0 | 0 | 4 | 346.65 | 4 | 346.65 | | | | | |
| 2 | Kollam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 393.58 | 4 | 393.58 | 0 | 0 | 4 | 393.58 | 4 | 393.58 | | | | | |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 5 | Kottayam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 306.69 | 4 | 306.69 | 0 | 0 | 4 | 306.69 | 4 | 306.69 | | | | | |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7 | Ernakulam | 4 | 0 | 0 | 1 | 643.07 | 1 | 643.07 | 0 | 0 | 3 | 271.55 | 3 | 271.55 | 0 | 0 | 4 | 364.43 | 4 | 364.43 | | | | | |
| 8 | Thrissur | 4 | 1 | 305.04 | 0 | 0 | 1 | 305.04 | 2 | 642.7 | 1 | 577.81 | 3 | 621.07 | 3 | 530.15 | 1 | 577.81 | 4 | 542.06 | | | | | |
| 9 | Palakkad | 4 | 2 | 228.78 | 0 | 0 | 2 | 228.78 | 0 | 0 | 2 | 834.45 | 2 | 834.45 | 2 | 228.78 | 2 | 834.45 | 4 | 531.61 | | | | | |
| 10 | Malappuram | 4 | 1 | 1799.42 | 1 | 1036.83 | 2 | 1418.12 | 1 | 1287.6 | 1 | 79.19 | 2 | 683.4 | 2 | 1543.51 | 2 | 558.01 | 4 | 1050.76 | | | | | |
| 11 | Kozhikode | 4 | 0 | 0 | 1 | 304.3 | 1 | 304.3 | 2 | 476.99 | 1 | 93.86 | 3 | 349.28 | 2 | 476.99 | 2 | 199.08 | 4 | 338.03 | | | | | |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 13 | Kannur | 4 | 2 | 116.95 | 0 | 0 | 2 | 116.95 | 1 | 55.73 | 1 | 75.53 | 2 | 65.63 | 3 | 96.55 | 1 | 75.53 | 4 | 91.29 | | | | | |
| 14 | Kasargod | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 68.38 | 4 | 68.38 | 0 | 0 | 4 | 68.38 | 4 | 68.38 | | | | | |
| State Total | | 40 | 6 | 465.99 | 3 | 661.4 | 9 | 531.12 | 6 | 597.12 | 25 | 310.84 | 31 | 366.25 | 12 | 531.55 | 28 | 348.4 | 40 | 403.35 | | | | | |

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Table 14(v)

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

STATE: KERALA

YEAR: 2018-19

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 | 438.49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 438.49 |
| 2 | Kollam | 4 | 281.39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 281.39 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 4 | 338.95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 338.95 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 4 | 273.32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 273.32 |
| 8 | Thrissur | 4 | 701.55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 701.55 |
| 9 | Palakkad | 4 | 611.36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 611.36 |
| 10 | Malappuram | 4 | 386.24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 386.24 |
| 11 | Kozhikode | 4 | 209.16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 209.16 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 278.46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 278.46 |
| 14 | Kasargod | 4 | 1212.08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1212.08 |
| State Total | | 40 | 473.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 473.1 |

Table contd.

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Table 14(v)

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

STATE: KERALA

YEAR: 2018-19

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 | 3 | 329.23 | 3 | 329.23 | 1 | 766.26 | 0 | 0 | 1 | 766.26 | 3 | 329.23 |
| 2 | Kollam | 1 | 269.84 | 1 | 269.84 | 3 | 285.24 | 0 | 0 | 3 | 285.24 | 1 | 269.84 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 0 | 0 | 0 | 0 | 4 | 338.95 | 0 | 0 | 4 | 338.95 | 0 | 0 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 0 | 0 | 0 | 0 | 4 | 273.32 | 0 | 0 | 4 | 273.32 | 0 | 0 |
| 8 | Thrissur | 3 | 533.57 | 3 | 533.57 | 1 | 1205.48 | 0 | 0 | 1 | 1205.48 | 3 | 533.57 |
| 9 | Palakkad | 3 | 771.15 | 3 | 771.15 | 1 | 131.99 | 0 | 0 | 1 | 131.99 | 3 | 771.15 |
| 10 | Malappuram | 1 | 444.37 | 1 | 444.37 | 3 | 366.87 | 0 | 0 | 3 | 366.87 | 1 | 444.37 |
| 11 | Kozhikode | 3 | 243.44 | 3 | 243.44 | 1 | 106.32 | 0 | 0 | 1 | 106.32 | 3 | 243.44 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 2 | 230.98 | 2 | 230.98 | 2 | 325.93 | 0 | 0 | 2 | 325.93 | 2 | 230.98 |
| 14 | Kasargod | 3 | 1417.39 | 3 | 1417.39 | 1 | 596.14 | 0 | 0 | 1 | 596.14 | 3 | 1417.39 |
| State Total | | 19 | 582.13 | 19 | 582.13 | 21 | 374.45 | 0 | 0 | 21 | 374.45 | 19 | 582.13 |

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Table 14(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS
STATE: KERALA YEAR: 2018-19 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 | 346.65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 346.65 |
| 2 | Kollam | 4 | 393.58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 393.58 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 4 | 306.69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 306.69 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 4 | 364.43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 364.43 |
| 8 | Thrissur | 4 | 542.06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 542.06 |
| 9 | Palakkad | 4 | 531.61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 531.61 |
| 10 | Malappuram | 4 | 1050.76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1050.76 |
| 11 | Kozhikode | 4 | 338.03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 338.03 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 91.29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 91.29 |
| 14 | Kasargod | 4 | 68.38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 68.38 |
| State Total | | 40 | 403.35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 403.35 |

Table contd.

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Table 14(vi)

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

STATE: KERALA

YEAR: 2018-19

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 | 2 | 27.86 | 2 | 27.86 | 2 | 665.43 | 0 | 0 | 2 | 665.43 | 2 | 27.86 |
| 2 | Kollam | 3 | 400.12 | 3 | 400.12 | 1 | 373.96 | 0 | 0 | 1 | 373.96 | 3 | 400.12 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 2 | 511.82 | 2 | 511.82 | 2 | 101.56 | 0 | 0 | 2 | 101.56 | 2 | 511.82 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 3 | 402.56 | 3 | 402.56 | 1 | 250.04 | 0 | 0 | 1 | 250.04 | 3 | 402.56 |
| 8 | Thrissur | 2 | 570.84 | 2 | 570.84 | 2 | 513.28 | 0 | 0 | 2 | 513.28 | 2 | 570.84 |
| 9 | Palakkad | 0 | 0 | 0 | 0 | 4 | 531.61 | 0 | 0 | 4 | 531.61 | 0 | 0 |
| 10 | Malappuram | 2 | 1162.22 | 2 | 1162.22 | 2 | 939.31 | 0 | 0 | 2 | 939.31 | 2 | 1162.22 |
| 11 | Kozhikode | 3 | 419.43 | 3 | 419.43 | 1 | 93.86 | 0 | 0 | 1 | 93.86 | 3 | 419.43 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 91.29 | 4 | 91.29 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 91.29 |
| 14 | Kasargod | 0 | 0 | 0 | 0 | 4 | 68.38 | 0 | 0 | 4 | 68.38 | 0 | 0 |
| State Total | | 21 | 408.43 | 21 | 408.43 | 19 | 397.74 | 0 | 0 | 19 | 397.74 | 21 | 408.43 |

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Table 15(i)

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

STATE:KERALA

YEAR:2018-19

STATE SAMPLE

SEASON:PERENNIAL

CROP:ARECANUT

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

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Table 15(ii)

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

STATE:KERALA

YEAR:2018-19

CENTRAL SAMPLE

SEASON:PERENNIAL

CROP:ARECANUT

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

Annual review of crop statistics 2018-19

Table 15(iii)

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

STATE: KERALA

YEAR: 2018-19

SEASON: PERENNIAL

CROP: ARECANUT

STATE SAMPLE

| Sl.No. | District | No. of expts. Checked at harvest | HY Varieties | | | | | | Other Varieties | | | | | | Both HY & Others | | | | | |
|--------------------|--------------------|----------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|-----------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|
| | | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | |
| | | | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 1 | Thiruvananthapuram | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 709.45 | 4 | 709.45 | 0 | 0 | 4 | 709.45 | 4 | 709.45 |
| 2 | Kollam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1583.15 | 4 | 1583.15 | 0 | 0 | 4 | 1583.15 | 4 | 1583.15 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 4 | 0 | 0 | 2 | 1163.99 | 2 | 1163.99 | 0 | 0 | 2 | 651.12 | 2 | 651.12 | 0 | 0 | 4 | 907.55 | 4 | 907.55 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 789.74 | 4 | 789.74 | 0 | 0 | 4 | 789.74 | 4 | 789.74 |
| 8 | Thrissur | 4 | 2 | 1944.22 | 0 | 0 | 2 | 1944.22 | 2 | 595 | 0 | 0 | 2 | 595.47 | 4 | 1269.85 | 0 | 0 | 4 | 1269.85 |
| 9 | Palakkad | 4 | 0 | 0 | 1 | 1029.94 | 1 | 1029.94 | 2 | 802 | 1 | 304.14 | 3 | 635.94 | 2 | 801.83 | 2 | 667.04 | 4 | 734.44 |
| 10 | Malappuram | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1312 | 2 | 836.59 | 4 | 1074.28 | 2 | 1311.97 | 2 | 836.59 | 4 | 1074.28 |
| 11 | Kozhikode | 4 | 0 | 0 | 1 | 1574.2 | 1 | 1574.2 | 0 | 0 | 3 | 905.78 | 3 | 905.78 | 0 | 0 | 4 | 1072.89 | 4 | 1072.89 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 0 | 0 | 1 | 1535.82 | 1 | 1535.82 | 0 | 0 | 3 | 1394.85 | 3 | 1394.85 | 0 | 0 | 4 | 1430.09 | 4 | 1430.09 |
| 14 | Kasargod | 4 | 1 | 496.56 | 0 | 0 | 1 | 496.56 | 3 | 2579 | 0 | 0 | 3 | 2578.59 | 4 | 2058.08 | 0 | 0 | 4 | 2058.08 |
| State Total | | 40 | 3 | 1461.67 | 5 | 1293.59 | 8 | 1356.62 | 9 | 1462 | 23 | 978.73 | 32 | 1114.53 | 12 | 1461.61 | 28 | 1034.95 | 40 | 1162.95 |

Annual review of crop statistics 2018-19

Table 15(iv)

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

| STATE: KERALA | | | YEAR: 2018-19 | | | | | | SEASON: PERENNIAL | | | | | | CROP: ARECANUT | | | | | | CENTRAL SAMPLE | | | | | |
|--------------------|--------------------|----------------------------------|---------------|------------------|---------------|------------------|---------------|------------------|-------------------|------------------|---------------|------------------|---------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|----------------|------------------|--|--|--|--|
| Sl.No. | District | No. of expts. Checked at harvest | HY Varieties | | | | | | Other Varieties | | | | | | Both HY & Others | | | | | | | | | | | |
| | | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | Irrigated | | UN-Irrigated | | Total | | | | | | | |
| | | | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | No. of expts. | Yield Rate Kg/Ha | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | | | | | | |
| 1 | Thiruvananthapuram | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 551.5 | 4 | 551.5 | 0 | 0 | 4 | 551.5 | 4 | 551.5 | | | | | | |
| 2 | Kollam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1452.17 | 4 | 1452.17 | 0 | 0 | 4 | 1452.17 | 4 | 1452.17 | | | | | | |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| 5 | Kottayam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1165.1 | 4 | 1165.1 | 0 | 0 | 4 | 1165.1 | 4 | 1165.1 | | | | | | |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| 7 | Ernakulam | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1288.41 | 4 | 1288.41 | 0 | 0 | 4 | 1288.41 | 4 | 1288.41 | | | | | | |
| 8 | Thrissur | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1289.99 | 0 | 0 | 4 | 1289.99 | 4 | 1289.99 | 0 | 0 | 4 | 1289.99 | | | | | | |
| 9 | Palakkad | 4 | 2 | 293.78 | 0 | 0 | 2 | 293.78 | 2 | 124.42 | 0 | 0 | 2 | 124.42 | 4 | 209.1 | 0 | 0 | 4 | 209.1 | | | | | | |
| 10 | Malappuram | 4 | 1 | 2612.3 | 2 | 561.61 | 3 | 1245.17 | 0 | 0 | 1 | 351.88 | 1 | 351.88 | 1 | 2612.3 | 3 | 491.7 | 4 | 1021.85 | | | | | | |
| 11 | Kozhikode | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 335.69 | 3 | 973.4 | 4 | 813.97 | 1 | 335.69 | 3 | 973.4 | 4 | 813.97 | | | | | | |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| 13 | Kannur | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1500.41 | 4 | 1500.41 | 0 | 0 | 4 | 1500.41 | 4 | 1500.41 | | | | | | |
| 14 | Kasargod | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2647.09 | 0 | 0 | 4 | 2647.09 | 4 | 2647.09 | 0 | 0 | 4 | 2647.09 | | | | | | |
| State Total | | 40 | 3 | 1066.62 | 2 | 561.61 | 5 | 864.65 | 11 | 1484.8 | 24 | 1129.27 | 35 | 1241.01 | 14 | 1395.19 | 26 | 1085.6 | 40 | 1193.96 | | | | | | |

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Table 15(v)

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

STATE: KERALA

YEAR: 2018-19

SEASON: PERENNIAL

CROP: ARECANUT

STATE SAMPLE

| Sl. No. | District | Expts. Checked at Harvest stage | | Expts. Treated with Fertilizers only | | Expts. With Fertilizers | | | | | | | | Expts. Not treated with Fertilizers | |
|--------------------|--------------------|---------------------------------|----------------|--------------------------------------|------------|-------------------------|----------|----------|-----------------|------------|---------------------|----------|----------|-------------------------------------|----------------|
| | | | | | | No. 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 | 709.45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 709.45 |
| 2 | Kollam | 4 | 1583.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1583.15 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 4 | 907.55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 907.55 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 4 | 789.74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 789.74 |
| 8 | Thrissur | 4 | 1269.85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1269.85 |
| 9 | Palakkad | 4 | 734.44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 734.44 |
| 10 | Malappuram | 4 | 1074.28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1074.28 |
| 11 | Kozhikode | 4 | 1072.89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1072.89 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 1430.09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1430.09 |
| 14 | Kasargod | 4 | 2058.08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2058.08 |
| State Total | | 40 | 1162.95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 1162.95 |

Table contd.

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Table 15(v)

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

| STATE: KERALA | | YEAR: 2018-19 | | | | SEASON: PERENNIAL | | | | CROP:ARECANUT | | STATE SAMPLE | |
|--------------------|--------------------|---------------------------------|----------------|----------------------------|----------------|--------------------------------|----------------|---|------------|--|----------------|---|----------------|
| Sl. No. | District | Expts. Treated with manure only | | Expts. Treated with manure | | Expts. Not Treated with manure | | Expts. Treated (both) with Fertilizers & Manure | | Expts. not Treated with Fertilizers & Manure | | Expts. Treated with Fertilizers or Manure or both | |
| | | No | Yield Rate | No | Yield Rate | No | Yield Rate | No | Yield Rate | No | Yield Rate | No | Yield Rate |
| 1 | 2 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 1 | Thiruvananthapuram | 2 | 397.25 | 2 | 397.25 | 2 | 1272.04 | 0 | 0 | 2 | 1021.65 | 2 | 397.25 |
| 2 | Kollam | 0 | 0 | 0 | 0 | 4 | 1583.15 | 0 | 0 | 4 | 1583.15 | 0 | 0 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 2 | 1163.99 | 2 | 1163.99 | 2 | 651.12 | 0 | 0 | 2 | 651.12 | 2 | 1163.99 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 0 | 0 | 0 | 0 | 4 | 789.74 | 0 | 0 | 4 | 789.74 | 0 | 0 |
| 8 | Thrissur | 2 | 1944.22 | 2 | 1944.22 | 2 | 595.47 | 0 | 0 | 2 | 595.47 | 2 | 1944.22 |
| 9 | Palakkad | 3 | 877.87 | 3 | 877.87 | 1 | 304.14 | 0 | 0 | 1 | 1029.94 | 3 | 877.87 |
| 10 | Malappuram | 1 | 1945.82 | 1 | 1945.82 | 3 | 4702.60 | 0 | 0 | 2 | 783.77 | 1 | 1945.82 |
| 11 | Kozhikode | 2 | 775.47 | 2 | 775.47 | 2 | 1370.29 | 0 | 0 | 2 | 1370.29 | 2 | 775.47 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 2 | 1575.28 | 2 | 1575.28 | 2 | 1284.91 | 0 | 0 | 2 | 1284.91 | 2 | 1575.28 |
| 14 | Kasargod | 4 | 2058.08 | 4 | 2058.08 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2058.08 |
| State Total | | 18 | 1362.45 | 18 | 1362.45 | 22 | 1556.87 | 0 | 0 | 21 | 1044.57 | 18 | 1362.45 |

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Table 15(vi)

CROPWISE RATE OF APPLICATION OF FERTILIZERS AND DIFFERENTIAL YIELD RATES ACCORDING TO INPUTS
STATE: KERALA YEAR: 2018-19 SEASON: PERENNIAL CROP: ARECANUT CENTRAL SAMPLE

| Sl. No. | District | Expts. Checked at Harvest stage | | Expts. Treated with Fertilizers only | | Expts. With Fertilizers | | | | | | | | Expts. Not treated with Fertilizers | |
|--------------------|--------------------|---------------------------------|----------------|--------------------------------------|---------------|-------------------------|----------|----------|-----------------|---------------|---------------------|------------|----------|-------------------------------------|----------------|
| | | | | | | No. of Expts. | | | | | Rate of Application | | | | |
| | | No. | Yield Rate | No. | Yield Rate | N | P | K | Exclusive Total | Yield Rate | N | P | K | No. | Yield Rate |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Thiruvananthapuram | 4 | 551.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 551.5 |
| 2 | Kollam | 4 | 1452.17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1452.17 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 4 | 1165.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1165.1 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 4 | 1288.41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1288.41 |
| 8 | Thrissur | 4 | 1289.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1289.99 |
| 9 | Palakkad | 4 | 209.1 | 1 | 317.97 | 2 | 2 | 2 | 2 | 293.78 | 3.5 | 4.5 | 7 | 2 | 124.42 |
| 10 | Malappuram | 4 | 1021.85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1021.85 |
| 11 | Kozhikode | 4 | 813.97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 813.97 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 4 | 1500.41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1500.41 |
| 14 | Kasargod | 4 | 2647.09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2647.09 |
| State Total | | 40 | 1193.96 | 1 | 317.97 | 2 | 2 | 2 | 2 | 293.78 | 3.5 | 4.5 | 7 | 38 | 1241.34 |

Table contd.

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Table 15(vi)

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

STATE: KERALA

YEAR: 2018-19

SEASON: PERENNIAL

CROP: ARECANUT

CENTRAL SAMPLE

| Sl. No. | District | Expts. Treated with manure only | | Expts. Treated with manure | | Expts. Not Treated with manure | | Expts. Treated (both) with Fertilizers & Manure | | Expts. not Treated with Fertilizers & Manure | | Expts. Treated with Fertilizers or Manure or both | |
|--------------------|---------------------------|---------------------------------|----------------|----------------------------|----------------|--------------------------------|----------------|---|---------------|--|----------------|---|----------------|
| | | No | Yield Rate | No | Yield Rate | No | Yield Rate | No | Yield Rate | No | Yield Rate | No | Yield Rate |
| 1 | 2 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 1 | Thiruvananthapuram | 2 | 811.4 | 2 | 811.4 | 2 | 291.6 | 0 | 0 | 2 | 291.6 | 2 | 811.4 |
| 2 | Kollam | 0 | 0 | 0 | 0 | 4 | 1452.17 | 0 | 0 | 4 | 1452.17 | 0 | 0 |
| 3 | Pathanamthitta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Alappuzha | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | Kottayam | 0 | 0 | 0 | 0 | 4 | 1165.10 | 0 | 0 | 4 | 1165.10 | 0 | 0 |
| 6 | Idukki | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Ernakulam | 1 | 1722.11 | 1 | 1722.11 | 3 | 1143.85 | 0 | 0 | 3 | 1143.85 | 1 | 1722.11 |
| 8 | Thrissur | 2 | 826.04 | 2 | 826.04 | 2 | 1753.94 | 0 | 0 | 2 | 1753.94 | 2 | 826.04 |
| 9 | Palakkad | 0 | 0 | 1 | 269.58 | 3 | 188.94 | 1 | 269.58 | 2 | 124.42 | 2 | 293.78 |
| 10 | Malappuram | 3 | 1245.17 | 3 | 1245.17 | 1 | 351.88 | 0 | 0 | 1 | 351.88 | 3 | 1245.17 |
| 11 | Kozhikode | 1 | 335.69 | 1 | 335.69 | 3 | 973.4 | 0 | 0 | 3 | 973.4 | 1 | 335.69 |
| 12 | Wayanad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Kannur | 3 | 1474.44 | 3 | 1474.44 | 1 | 1578.31 | 0 | 0 | 1 | 1578.31 | 3 | 1474.44 |
| 14 | Kasargod | 4 | 2647.09 | 4 | 2647.09 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2647.09 |
| State Total | | 16 | 1504.99 | 17 | 1432.32 | 23 | 1017.78 | 1 | 269.58 | 22 | 1049.59 | 18 | 1370.41 |

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Table 16(i)

State wise Position of Supply and Use of Equipments

State: Kerala

Year: 2018-19

| 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 | 86 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 |
| | | Balance | 86 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 |
| | | Weight | 38 | 0 | 0 | 0 | 16 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 |
| | | Pegs | 86 | 0 | 0 | 0 | 0 | 86 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 88 |
| | c | Tape | 40 | 54 | 2 | 0 | 2 | 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98 |
| | | Balance | 83 | 13 | 0 | 1 | 2 | 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99 |
| | | Weight | 29 | 3 | 0 | 0 | 1 | 33 | 5 | 0 | 0 | 18 | 23 | 0 | 56 | |
| | | Pegs | 54 | 11 | 1 | 0 | 4 | 70 | 17 | 10 | 0 | 0 | 27 | 1 | 98 | |
| Paddy (Winter) | s | Tape | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 |
| | | Balance | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 |
| | | Weight | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | Pegs | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 |
| | c | Tape | 96 | 2 | 0 | 0 | 0 | 98 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 99 |
| | | Balance | 87 | 10 | 2 | 0 | 0 | 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99 |
| | | Weight | 23 | 2 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 9 | 9 | 0 | 34 | |
| | | Pegs | 55 | 7 | 1 | 1 | 2 | 66 | 17 | 15 | 1 | 0 | 33 | 0 | 99 | |
| Paddy (Summer) | s | Tape | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 |
| | | Balance | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 |
| | | Weight | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | | Pegs | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 |
| | c | Tape | 93 | 3 | 1 | 0 | 0 | 97 | 0 | 2 | 1 | 0 | 3 | 0 | 100 | |
| | | Balance | 95 | 5 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | |
| | | Weight | 22 | 2 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 8 | 8 | 0 | 32 | |
| | | Pegs | 59 | 1 | 0 | 0 | 0 | 60 | 18 | 19 | 1 | 1 | 39 | 1 | 100 | |

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Table 16(ii)

State wise Position of Supply and Use of Equipments

State: Kerala

Year: 2018-19

| Crop | Agency | Item of Equipment | No of experiments supervised (Harvest and Post harvest) for which equipment was | | | | | | | | | | | | Information about supply not available | Total of columns 8,13 & 14 |
|---------|--------|-------------------|---|--------------|------------------------------|-----------------------------|-------|---------------------------|--------------|-----------------------------------|-----------------|-------|----|----|--|----------------------------|
| | | | Supplied | | | | | | Not Supplied | | | | | | | |
| | | | But used locally procured one | | But not used though required | But not required to be used | Total | Used locally procured one | | And also not used though required | As not required | Total | | | | |
| | | | Standard | Non-Standard | | | | Standard | Non-Standard | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| Tapioca | s | Tape | 40 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| | | Balance | 40 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| | | Weight | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | Pegs | 40 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| | c | Tape | 35 | 4 | 0 | 0 | 1 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| | | Balance | 33 | 6 | 0 | 0 | 1 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| | | Weight | 11 | 4 | 0 | 0 | 2 | 17 | 1 | 0 | 0 | 4 | 5 | 0 | 22 | |
| | | Pegs | 17 | 2 | 0 | 0 | 5 | 24 | 9 | 2 | 0 | 5 | 16 | 0 | 40 | |
| Banana | s | Tape | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Balance | 49 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | |
| | | Weight | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| | | Pegs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c | Tape | 0 | 0 | 0 | 0 | 18 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | |
| | | Balance | 39 | 9 | 0 | 0 | 0 | 48 | 2 | 0 | 0 | 0 | 2 | 0 | 50 | |
| | | Weight | 15 | 6 | 0 | 0 | 0 | 21 | 1 | 0 | 0 | 3 | 4 | 0 | 25 | |
| | | Pegs | 0 | 0 | 0 | 0 | 15 | 15 | 0 | 0 | 0 | 0 | 3 | 0 | 18 | |
| Coconut | s | Tape | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Balance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Weight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Pegs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c | Tape | 0 | 0 | 0 | 0 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | |
| | | Balance | 0 | 0 | 0 | 0 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | |
| | | Weight | 0 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 2 | 2 | 0 | 12 | |
| | | Pegs | 0 | 0 | 0 | 0 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | |

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Table 16(ii)

State wise Position of Supply and Use of Equipments

State: Kerala

Year: 2018-19

| Crop | Agency | Item of Equipment | No of experiments supervised (Harvest and Post harvest) for which equipment was | | | | | | | | | | | | Information about supply not available | Total of columns 8,13 & 14 |
|----------|--------|-------------------|---|--------------|------------------------------|-----------------------------|-------|---------------------------|--------------|-----------------------------------|-----------------|-------|----|----|--|----------------------------|
| | | | Supplied | | | | | | Not Supplied | | | | | | | |
| | | | But used locally procured one | | But not used though required | But not required to be used | Total | Used locally procured one | | And also not used though required | As not required | Total | | | | |
| | | | Standard | Non-Standard | | | | Standard | Non-Standard | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | |
| Pepper | s | Tape | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | Balance | 40 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| | | Weight | 4 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | | Pegs | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | c | Tape | 0 | 0 | 0 | 0 | 18 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| | | Balance | 34 | 6 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| | | Weight | 12 | 2 | 0 | 0 | 2 | 16 | 0 | 0 | 0 | 4 | 4 | 0 | 20 | |
| | | Pegs | 0 | 0 | 0 | 0 | 14 | 14 | 0 | 0 | 0 | 4 | 4 | 0 | 18 | |
| Arecanut | s | Tape | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Balance | 40 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | |
| | | Weight | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Pegs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | c | Tape | 0 | 0 | 0 | 2 | 6 | 8 | 0 | 0 | 0 | 8 | 8 | 0 | 16 | |
| | | Balance | 36 | 4 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | |
| | | Weight | 14 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 2 | 2 | 0 | 16 | |
| | | Pegs | 0 | 0 | 0 | 2 | 6 | 8 | 0 | 0 | 0 | 8 | 8 | 0 | 16 | |

**Annual review of crop statistics 2018-19
Table 17(i)**

Comparison of Yield Rates (Kg/Ha) of Rice Under GCES and ICS 2018-19

State:Kerala

Year:2018-19

| 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 | 2711 | 1885 | 2344.35 | 2556 | 2694.47 | 3648.78 | 2401 | 2279.82 | 1774.70 |
| 2 | Kollam | 2279 | 1348 | 1326.02 | 2198 | 1594.56 | 1471.56 | 2632 | 2711.49 | 1616.17 |
| 3 | Pathaanamthitta | 695 | - | 1214.09 | 2701 | 2075.05 | 2157.83 | 3862 | 2126.56 | 3243.55 |
| 4 | Alappuzha | 123 | 2343 | 465.03 | 4669 | 3429.63 | 3254.32 | 4613 | 3719.47 | 3384.41 |
| 5 | Kottayam | 167 | 1389 | 1593.43 | 3905 | 3926.51 | 2756.5 | 3527 | 3334.42 | 2488.57 |
| 6 | Idukki | 1592 | 1331.21 | 981.34 | 2419 | 1859.05 | 2883.07 | 2457 | 2065.98 | 1678.77 |
| 7 | Ernakulam | 1305 | 1659.17 | 1285.93 | 2506 | 2265.13 | 2184.09 | 2821 | 2198.45 | 1658.21 |
| 8 | Thrissur | 1215 | 1502.19 | 1548.63 | 2738 | 2109.18 | 4483.12 | 3935 | 3621.79 | 2822.66 |
| 9 | Palakkad | 2327 | 1865 | 2346.44 | 3186 | 2639.84 | 2981.49 | 3302 | 3251.72 | 3048.59 |
| 10 | Malappuram | 1720 | 2442.03 | 1258.53 | 2930 | 2195.62 | 2437.46 | 4248 | 2816.99 | 3516.57 |
| 11 | Kozhikode | 1259 | 929.71 | 1144.64 | 1178 | 1025.09 | 791.32 | 2573 | 1282.8 | 1802.78 |
| 12 | Wayanad | | - | | 2884 | 2165.74 | 3966.43 | 2793 | 3188.09 | 1780.38 |
| 13 | Kannur | 2441 | 1879.46 | 2354.43 | 1822 | 2171 | 1331.02 | 1799 | 2439.22 | 1430.41 |
| 14 | Kasargod | 2504 | 2205.5 | 2760.12 | 1885 | 2648.31 | 2001.3 | 2305 | 2642.70 | 2665.65 |
| State Total | | 1679 | 1690.98 | 1564.62 | 3160 | 2347.09 | 2578.17 | 4028 | 2700.39 | 2405.42 |

Annual review of crop statistics 2018-19
Table 17(ii)

Comparison of Yield Rates (Kg/Ha) of Important Crops Under GCES and ICS 2018-19

State:Kerala

Year:2018-19

| Sl. No. | District | Tapioca | | | Banana | | |
|---------|--------------------|--------------|-----------------|-----------------|-------------|-----------------|-----------------|
| | | GCES | ICS | | GCES | ICS | |
| | | | State Sample | Central Sample | | State Sample | Central Sample |
| 1 | Thiruvananthapuram | 36467 | 36156.25 | 28125 | 8933 | 14316.67 | 14883.33 |
| 2 | Kollam | 34917 | 26218.75 | 21750 | 7516 | 8633.33 | 13900 |
| 3 | Pathaanamthitta | 44748 | 0 | 0 | 7820 | 17388.89 | 11050 |
| 4 | Alappuzha | 31747 | 0 | 0 | 6085 | 12300 | 11233.33 |
| 5 | Kottayam | 43538 | 33937.5 | 31281.25 | 8974 | 16000 | 9916.67 |
| 6 | Idukki | 40655 | 0 | 0 | 8918 | 0 | 0 |
| 7 | Ernakulam | 40096 | 46875 | 60062.5 | 7053 | 12991.67 | 15866.67 |
| 8 | Thrissur | 42419 | 26000 | 36156.25 | 4820 | 13450 | 13151.67 |
| 9 | Palakkad | 32098 | 21218.75 | 31993.75 | 8569 | 13822.22 | 15638.89 |
| 10 | Malappuram | 35715 | 17731.25 | 31875.06 | 7125 | 14725 | 17508.33 |
| 11 | Kozhikode | 26658 | 21843.75 | 25875 | 8924 | 16033.33 | 15458.33 |
| 12 | Wayanad | 33148 | 0 | 0 | 8415 | 0 | 0 |
| 13 | Kannur | 35788 | 25718.75 | 29500 | 9181 | 12675 | 16191.67 |
| 14 | Kasargod | 30207 | 28062.5 | 31875 | 8695 | 9991.83 | 15658.33 |
| | State Total | 37576 | 28326.25 | 32849.38 | 8111 | 13460.56 | 14262.13 |

**Annual review of crop statistics 2018-19
Table 17(ii)**

Comparison of Yield Rates (Kg/Ha) of Important Crops Under GCES and ICS 2018-19

State:Kerala

Year:2018-19

| Sl. No. | District | Coconut | | | Pepper | | | Arecanut | | |
|--------------------|--------------------|-------------|----------------|----------------|------------|---------------|----------------|-------------|----------------|----------------|
| | | GCES | ICS | | GCES | ICS | | GCES | ICS | |
| | | | State Sample | Central Sample | | State Sample | Central Sample | | State Sample | Central Sample |
| 1 | Thiruvananthapuram | 6900 | 6900.8 | 9488.6 | 334 | 438.49 | 346.65 | 512 | 709.45 | 551.5 |
| 2 | Kollam | 7015 | 7066.5 | 9975 | 300 | 281.39 | 393.58 | 645 | 1583.15 | 1452.17 |
| 3 | Pathaanamthitta | 5943 | 0 | 0 | 317 | 0 | 0 | 630 | 0 | 0 |
| 4 | Alappuzha | 8688 | 10830.9 | 6671.55 | 192 | 0 | 0 | 281 | 0 | 0 |
| 5 | Kottayam | 4860 | 4729.4 | 7885.9 | 403 | 338.95 | 306.69 | 777 | 907.55 | 1165.1 |
| 6 | Idukki | 4065 | 3325 | 7507.5 | 556 | 0 | 0 | 782 | 0 | 0 |
| 7 | Ernakulam | 4430 | 6426.75 | 5590.75 | 239 | 273.32 | 364.43 | 738 | 789.74 | 1288.41 |
| 8 | Thrissur | 6218 | 10557.5 | 14162.5 | 289 | 701.55 | 542.06 | 843 | 1269.85 | 1289.99 |
| 9 | Palakkad | 7946 | 10902 | 6201.5 | 413 | 611.36 | 531.61 | 797 | 734.44 | 209.1 |
| 10 | Malappuram | 8712 | 7632.8 | 10150 | 202 | 386.24 | 1050.76 | 809 | 1074.28 | 1021.85 |
| 11 | Kozhikode | 6828 | 8643 | 9556.75 | 266 | 209.16 | 338.03 | 844 | 1072.89 | 813.97 |
| 12 | Wayanad | 5533 | 0 | 0 | 314 | 0 | 0 | 310 | 0 | 0 |
| 13 | Kannur | 5988 | 8578.5 | 8967 | 329 | 278.46 | 91.29 | 1018 | 1430.09 | 1500.41 |
| 14 | Kasargod | 9849 | 10424.4 | 9914.4 | 455 | 1212.08 | 68.38 | 2148 | 2058.08 | 2647.09 |
| State Total | | 6964 | 8117.48 | 5733.78 | 444 | 473.10 | 403.35 | 1044 | 1162.95 | 1193.96 |

