

# UPASI TEA RESEARCH FOUNDATION

## REGIONAL CENTRE

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RC-GDR/MR/2023/02

03.01.2023

### REPORT FOR THE MONTH OF DECEMBER 2022

**VISITS:** During the month 9 visits were made to the member estates in connection with Advisory, trainings and experimental purposes.

Month	Advisory	Experimental	Total
December 2022	02	07	09
B/F from January	25	64	89
To date	27	71	98

**WEATHER:** Cold and winter weather experienced throughout the month of December. The minimum lowest temperature in Gudalur region came down by few notches due to the high humidity and it was 8 °C on 23<sup>rd</sup> and 24<sup>th</sup> of December. It was 9 °C on 31<sup>st</sup> and 10 °C on 8<sup>th</sup>, 16<sup>th</sup> and 22<sup>nd</sup> of December 2022. Rest of the days the minimum temperature oscillated between 11°C to 16 °C. Mist covered most of the days and a freezing feeling experienced during these low temperature days. The maximum temperature touched 28 °C and varies from 21°C to 28 °C. The lowest relative humidity was 38 per cent and the highest registered was 100 per cent during the month. Regional centre recorded 6 days rainfall out of 6 days 4 days registered more than 2.0mm rains. The total rainfall for the month recorded was 28.6 mm where as it was 19.4 mm for the same month of last year. The total rainfall received from January to December is 3176.2 mm where as for the same corresponding period of last year it was 2158.4 mm, higher quantum of rain of 1017.8 mm i.e., 47.2 per cent. The details of rainfall, temperature and relative humidity recorded for the month and decennial average in the regional centre, Gudalur are given in the following tables No.1 & 2.

**Table1 Rainfall (mm), Temperature (°C) and Relative humidity (%)**

Period	Mean Temperature (°C)		Mean Relative humidity (%)		Rainfall (mm)	
	Min	Max	0830 h	1430 h	Month	To date
DECEMBER 2022	12.5	25.4	84.0	66.0	28.6	3147.6
DECEMBER 2021	13.4	25.5	91.0	66.0	19.4	2158.6
Decennial average	12.7	26.1	89.0	63.0	19.8	19.8

**CROP TREND:** The production and productivity details are given in table No.2.

**Table 2 Production (m.kg) and Productivity (YPH)**

Crop	Month		To date (Fin year)		To date (Cal year)		Variance in % ± over last year	
	Dec.'22	Dec.'21	Total from Apr'22	Total from Apr'21	Total from Jan'22	Total from Jan'21	Fin year	Cal year
<b>Productivity (MT/ha)</b>	156	165	1831	1647	2328	2225	11.17	4.63
<b>Production (m.kg)</b>	540122	573826	6352204	5716607	8079478	7719120	11.12	4.67

**PEST AND DISEASES:** Infection of blister blight & Grey blight/ die-back diseases noticed in all the estates during the month of December 2022. The incidence of blister blight infections are at and above 30% (>ETL). Incidence of red spider mites was also seen increasing in most of the estates.

**MEETINGS/LECTURES/TRAINING/SEMINARS (CONDUCTED):**

1. M .A. Subair, Sr. Advisory Officer, conducted an in room session and demonstration on 14<sup>th</sup> December 2022 at WB-NW Group office for the staffs and executives. The subjects covered in the in room session are on “importance of soil and method of soil sampling” and the second topics on awareness on “Tea Mosquito Bug”. After the in room session a demonstration on method of soil sampling was also conducted on the same day. A total of 15 participants from the group including staffs and executives were the beneficiaries.

**MEETINGS/LECTURES/TRAINING/SEMINARS (ATTENDED): NIL**

**ANALYTICAL:**

Particulars	Members	Non members	Small growers	Total
<b>pH and EC</b>	-	-	-	-
<b>Eelworms</b>	-	-	-	-
<b>Texture</b>	-	-	-	-

**SPECIMENS:** Nil.

**VISITORS:**

During the month six visitors were visited our regional centre in connection with different official matters.

**SR.ADVISORY OFFICER**

**MONTHLY REPORT FORWARDED IN THE MONTH OF JANUARY 2023**  
**DETAILS FOR THE MONTH OF DECEMBER 2022**

01. Planting District : **NILGIRI WYNAAD**
02. Production in the month of DECEMBER'22 : 0.540 M.kg
03. Current month production compared to the same month of the previous year : High/Same/**Low**
04. Reasons for increase or decrease in production : Unfavourable weather.
05. Likely output in the current month and next two months : Jan'23 -0.650 M.kg\*  
Feb -0.680 M.kg\*  
Mar -0.600 M.kg\*

06. **Actual rainfall for the month of DECEMBER 2022**

Date	M.M.	Date	M.M.	Date	M.M.
01	0.0	11	0.0	21	0.0
02	0.0	12	11.0	22	0.0
03	0.0	13	0.0	23	0.0
04	0.0	14	11.4	24	0.0
05	1.0	15	0.0	25	0.0
06	0.0	16	0.0	26	3.2
07	0.0	17	0.0	27	0.0
08	0.0	18	0.0	28	0.0
09	0.0	19	0.0	29	0.0
10	2.0	20	0.0	30	0.0
<b>Total for the month</b>					<b>28.6</b>
<b>B/F from January</b>					<b>3147.6</b>
<b>TOTAL TO DATE</b>					<b>3176.2</b>

\*Estimated crop

07. Weather - Any special climatic features like temperature, relative humidity, sunshine hours, drought, wind, frost etc. : Cold and winter weather experienced throughout the month of December. The minimum lowest temperature in Gudalur region came down by few notches due to the high humidity and it was 8 °C on 23<sup>rd</sup> and 24<sup>th</sup> of December. It was 9 °C on 31<sup>st</sup> and 10 °C on 8<sup>th</sup>, 16<sup>th</sup> and 22<sup>nd</sup> of December 2022. Rest of the days the minimum temperature oscillated between 11°C to 16 °C. Mist covered most of the days and a freezing feeling experienced during these low temperature days.

**Weather for the month of DECEMBER 2022 vs 2021**

Period	Mean Temperature (°C)				Mean Relative Humidity (%)				Total Rainfall	
	2022		2021		2022		2021		2022	2021
	Min	Max	Min	Max	0830 h	1430 h	0830 h	1430 h	mm	mm
1 – 10	13.0	25.0	16.6	25.6	89.0	64.0	94.0	67.0	3.0	19.4
11 – 20	13.0	24.0	14.0	25.0	92.0	74.0	89.0	70.0	22.4	0.0
21 – 30	11.0	26.1	9.6	26.0	87.0	60.0	89.0	63.0	3.2	0.0

08. Incidence of pests and diseases : : Infection of blister blight & Grey blight/die-back diseases noticed in all the estates during the month of December 2022. The incidence of blister blight infections are at and above 30% (>ETL). Incidence of red spider mites was also seen increasing in most of the estates.
09. Meetings/Training 1. M .A. Subair, Sr. Advisory Officer, conducted an in room session and demonstration on 14<sup>th</sup> December 2022 at WB-NW Group office for the staffs and executives. The subjects covered in the in room session are on “importance of soil and method of soil sampling” and the second topics on awareness on “Tea Mosquito Bug”. After the in room session a demonstration on method of soil sampling was also conducted on the same day. A total of 15 participants from the group including staffs and executives were the beneficiaries.
- 10 Major issues (Give details of major and significant issues) : NIL
11. Major events (Give details of sports / visitors etc.) : NIL
12. Labour situation like go-slow, strike, closure etc NIL
13. Power supply : Inadequate  
:
14. Input availability : Shortage of Fertilizers.
15. Information on other plantation crops, if any : Ginger uprooting is in progress.

Date: 03.01.2023

SR.ADVISORY OFFICER