

UPASI TEA RESEARCH FOUNDATION

REGIONAL CENTRE

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RC-GDR/MR/2023/32

03.03.2023

REPORT FOR THE MONTH OF FEBRUARY 2023

VISITS: During the month 7 visits were made to the member estates in connection with Advisory, trainings and experimental purposes.

Month	Advisory	Experimental	Total
January 2023	02	05	07
B/F from January	01	07	08
To date	03	12	15

WEATHER: The month February this year was a blend of cold and warm weather. The land wind happened few days during the month sweeps the moisture and dry spell experienced from the second fort night of the month. The last effective rain recorded at the regional centre was 11.4 mm on 14th December 2022. There after meager rains were recorded as 3.2 mm on 26th December 2022; 5.0 mm on 25th January 2023 and 1.0 mm a trace amount on 4th February 2023 as the last rain registered so far which is an indication that peak summer months are likely to be more serious than anticipated, unless the plantation taluks receive summer showers. From the last effective rain till this month end almost 75 days is the rainless period. The depletion in water level and temperature shooting up slowly now will have serious consequences like damages to the plants and crop loss going to be higher than usual years. Hence all precautionary measures should be taken to avert the damages to the plants. The minimum temperature recorded in the regional centre was 8 °C on four occasions and fluctuated between 8 °C to 16 °C. The maximum temperature fluctuated between 25 °C to 31 °C. The lowest relative humidity was 26per cent recorded at 2.30 pm and the highest registered was 91 per cent at 8.30 am during the month. 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 1 & 2.

Table 1 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
February 2023	11.0	29.0	84.0	52.0	0.0	5.3
February 2022	12.1	28.0	89.0	52.0	0.0	0.0
Decennial average	12.1	28.9	86.0	49.0	5.3	

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	
	Feb.'23	Feb.'22	Total from Apr'22	Total from Apr'21	Total from Jan'23	Total from Jan'22	Fin year	Cal year
Productivity (MT/ha)	174	146	2172	1980	341	332	9.70	2.71
Production (m.kg)	604570	506927	7537467	6869319	1185263	1152712	9.73	2.82

PEST AND DISEASES: The attack of RSM is mild and moderate in most of the estates during the month of February 2023. TMB attack noticed in some sectors in few estates. All these pests are kept well under control.

MEETINGS/LECTURES/TRAINING/SEMINARS (CONDUCTED):

Nil

MEETINGS/LECTURES/TRAINING/SEMINARS (ATTENDED):

Nil

ANALYTICAL:

Particulars	Members	Non members	Small growers	Total
pH and EC	-	-	-	-
Eelworms	-	-	-	-
Texture	-	-	-	-

SPECIMENS: Nil.

VISITORS: During the month 4 visitors were visited our regional centre in connection with different official matters.

SR.ADVISORY OFFICER

MONTHLY REPORT FORWARDED IN THE MONTH OF MARCH 2023
DETAILS FOR THE MONTH OF FEBRUARY 2023

01. Planting District : **NILGIRI WYNAAD**
02. Production in the month of FEBRUARY'23 : 0.604 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 : Favourable weather
05. Likely output in the current month and next two months : Mar -0.580 M.kg*
Apr -0.650 M.kg*
May -0.720 M.kg*
06. **Actual rainfall for the month of FEBRUARY 2023**

Date	M.M.	Date	M.M.	Date	M.M.
01	0.0	11	0.0	21	0.0
02	0.0	12	0.0	22	0.0
03	0.0	13	0.0	23	0.0
04	1.0	14	0.0	24	0.0
05	0.0	15	0.0	25	0.0
06	0.0	16	0.0	26	0.0
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	0.0	20	0.0	30	0.0
		Total for the month		1.0	
		B/F from January		5.0	
		TOTAL TO DATE		6.0	

*Estimated crop

07. Weather - Any special climatic features like temperature, relative humidity, sunshine hours, drought, wind, frost etc. : The month February this year was a blend of cold and warm weather. The land wind happened few days during the month sweeps the moisture and dry spell experienced from the second fort night of the month.

Weather for the month of FEBRUARY 2023 vs 2022

Period	Mean Temperature (°C)				Mean Relative Humidity (%)				Total Rainfall	
	2023		2022		2023		2022		2023	2022
	Min	Max	Min	Max	0830 h	1430 h	0830 h	1430 h	mm	mm
1 – 10	12.0	28.0	11.0	28.0	84.0	59.0	88.0	54.0	1.0	0.0
11 - 20	9.6	29.0	13.0	28.0	84.0	44.0	90.0	51.0	0.0	0.0
21 – 28	11.0	30.0	12.0	30.0	98.0	50.0	90.0	50.0	0.0	0.0

08. Incidence of pests and diseases : : The attack of RSM is mild and moderate in most of the estates during the month of February 2023. TMB attack noticed in some sectors in few estates. All these pests are kept well under control.
09. Meetings/Training : Nil
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 : Paddy sowing completed. Coffee, Pepper & Areca picking first round completed. In paddy fields chilli, capsicum chilly and brinjal planting over.

Date: 03.03.2023

SR.ADVISORY OFFICER