

TOCKLAI EXPERIMENTAL STATION
TEA RESEARCH ASSOCIATION
JORHAT 785 008, ASSAM

MONTHLY BULLETIN

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The following is the summary of Crop, weather, Pest and disease in different regions of N.E. India during the month under review.

Region: UPPER ASSAM

Sub Area	Crop position (% + /-)		Rainfall (mm)	No. of rainy days	Temperature (°C)	
	During the month	To-date			Max.	Min.
Dibrugarh	- 13.5	- 3.0	13	2	28	13
Panitola	- 6.6	- 1.9	22	2	28	13
Tingrai	- 10.8	- 1.3	5	1	28	14
Doomdooma	- 5.3	+ 0.9	13	2	29	13
Mergherita	- 18.3	- 4.4	5	1	29	15
Naharkatia	- 15.4	- 12.0	0	0	28	15
Moran	- 14.0	- 4.0	0	0	29	15

Remarks:

The crop during the month in all the sub areas remained behind as compared to corresponding period of last year. Maximum of crop loss (12%) was recorded in the Naharkatia sub area estates. Out of the crop regulating factors, rainfall received in all sub areas during the month was 73-100% lower than last year same period. It is also observed that although day temperature was higher, the night temperature dropped by a couple of degree lower than corresponding period of last year. No major outbreak of any pests & diseases was recorded. Therefore, the overall crop loss can only be related to abiotic factors.

Region: SOUTH BANK

Sub Area	Crop position (% + /-)		Rainfall (mm)	No. of rainy days	Temperature (°C)	
	During the month	To-date			Max.	Min.
Jorhat	- 6.8	- 9.7	0	0	29	14
Golaghat	- 4.7	+ 3.4	0	0	26	18
Sonari-Nazira	- 7.6	- 12.9	0	0	28	16

Remarks

The crop during the month remained behind in all the three sub areas compared to crop in the corresponding period of last year. In todate crop Jorhat and Sonari Nazira remained behind. No rainfall during the month was received. This also affected the temperature being higher during day hours and lower during night. This widened the diurnal variation in temperature reducing shoot growth. However, pests and diseases during the period remained under control.

Region: NORTH BANK

Sub Area	Crop position (% + /-)		Rainfall (mm)	No. of rainy days	Temperature (°C)	
	During the month	To-date			Max.	Min.
Nowgaon	- 12.0	At par	16	1	25	10
Tezpur	- 8.0	+ 3.0	5	1	25	9
Biswanath	- 14.0	+ 4.0	16	1	25	11
N. Lakhimpur	- 4.0	At par	18	1	24	9
Borsola	- 13.0	+ 3.0	17	1	25	10
Mangaldoi	- 10.0	+ 4.0	22	2	24	9

Remarks:

The crop during the month in all the sub areas remained lower than corresponding period of the last year. In todate crop however, none of the sub areas has gone behind. Rainfall during the month was near to normal. Maximum temperature recorded in different sub areas although was close to normal but minimum temperature was much below the normal for which diurnal variation was more affecting adversely the shoot growth. Sporadic incidence of Helopeltis and looper was recorded.

Region: CACHAR

Sub Area	Crop position (% + /-)		Rainfall (mm)	No. of rainy days	Temperature (°C)	
	During the month	To-date			Max.	Min.
Happy Valley	+ 0.8	+ 16.7	0	0	29	14
Chutlabheel	- 9.6	+ 8.0	0	0	29	20
North Cachar	- 20.2	+ 4.6	0	0	34	24
Hailakandi	+ 3.8	+ 9.4	0	0	30	18
Longai & Karimganj	+ 11.5	+ 8.7	0	0	32	16

Remarks:

The weather remained completely dry during the period under review which has affected the flushing activity to a great extent. Crop production was marginally lower in some of the sub areas like Chutlabheel and North Cachar, rest of the sub areas recorded a marginal increase as compared to last season. Overall most of the estates of the valley remained ahead in production till end November as compared to last season. In the pest front termites activity is on the rise with the prevailing dry weather condition. Sporadic incidence of Helopeltis was also noticed in many estates.

Region: TERAI

Sub Area	Crop position (% + /-)		Rainfall (mm)	No. of rainy days	Temperature (°C)	
	During the month	To-date			Max.	Min.
North Terai	- 10.8	+ 1.8	19	1	29	17
South Terai	- 8.5	+ 2.0	7	1	29	16
West Terai	- 11.8	+ 3.9	4	1	30	16

Remarks:

On an average, all the sub areas in Terai harvested lesser crop during the month in comparison to the corresponding period of last year. However, in todote crop the region remained higher than last year. There is a marked variation on quantum of rainfall received and number of rainy days recorded at different sub areas compared to last year as well as to normal. As regard to insect pest, incidence of Helopeltis and looper in patches was reported from gardens.

Region: Darjeeling

Sub Area	Crop position (% + /-)		Rainfall (mm)	No. of rainy days	Temperature (°C)	
	During the month	To-date			Max.	Min.
Darjeeling West	- 3.0	NA	0	0	25	14
Darjeeling East	- 2.0	NA	0	0	20	13
Teesta Valley	- 3.0	NA	1	1	24	13
RungBung Valley	- 4.0	NA	0	0	22	11
Kurseong	+ 2.0	NA	1	1	25	14
Mirik Valley	- 3.0	NA	0	0	24	14

Remarks:

Crop during the month except Kurseong sub area remained behind compared to corresponding period of last year. The weather during the month remained dry in all the sub areas. However, Kurseong sub area received some amount of rainfall. The temperature, both maximum and minimum remained 2-3°C lower than corresponding period of last year. Drop in temperature coupled with a dry spell appeared to adversely affect yield during the month. Pests like Helopeltis, Red spider and Thrips were recorded irrespective of sub area in some of the estates.

(Issued by Chief Advisory Officer, Tocklai)