



Gramin Krishi Mausam Sewa (GKMS)
Agromet Field Unit (AMFU)
 Agricultural Research Station, TNAU, Kovilpatti - 628 501
 Email: agmet_arskpt@yahoo.co.in, amfukovilpatti@gmail.com



Thoothukudi District level AAB No. 084/2023-24 Day & Date: Tuesday & 20.10.2023

Observed weather during last week (Dated 13 th October to 19 th October 2023)							Weather Parameters / Date	Weather forecast (Valid from 21 st October to 8:30 hrs of 25 th October 2023)				
13/10	14/10	15/10	16/10	17/10	18/10	19/10		Day 1 21/10	Day 2 22/10	Day 3 23/10	Day 4 24/10	Day 5 25/10
8.5	0.6	1.0	0.1	0.1	6.0	0.0	Rainfall (mm)	4	4	12	10	10
33	NA	NA	NA	31	33	31	Max. Temp. (°C)	32	32	32	31	31
26	NA	NA	26	26	25	26	Min. Temp. (°C)	26	26	26	25	25
Clear sky	NA	NA	Mainly cloudy	Generally cloudy	Mainly cloudy	Mainly cloudy	Cloud cover (Octa)	Generally cloudy	Generally cloudy	Generally cloudy	Partly cloudy	Partly cloudy
83	NA	NA	82	86	89	86	Relative humidity – Mor. (%)	86	86	86	84	84
85	NA	NA	79	82	83	79	Relative humidity – Eve. (%)	76	76	76	74	74
2	NA	NA	0	0	0	0	Wind speed (kmph)	10	10	10	8	8
S	NA	NA	N	N	N	N	Wind direction (dd)	E	E	E	ESE	ESE

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2023 to till dated
16.3	3069

Weather forecast

- The maximum temperature for the next five days decrease 1°C as compared to the previous week**
- Light rain fall is predicted for next five days.**
- Sky condition will be partly to generally cloudy.**
- Wind speed is expected to be 8-10 km per hour and the wind direction will be from East and East-Southeast direction.**

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Light rain fall is predicted for next five days. Hence, farmers are requested to postpone the irrigation.
Plant protection	Rainfall	Farmers are advised to avoid spraying.
Rainfed crops	Selection of varieties	For sowing during the ensuing northeast monsoon season. Sorghum (K 8 & K 12), Black gram (Vamban 6, 8 & 11), Green gram (CO 7 & CO 8)
	Sowing	Farmers are request to take sowing with proper drainage facilities across the field to collect rain water.
Chilli	Nursery preparation	Avoid spraying and provide drainage facilities to avoid Damping off infection.
Paddy	Green manuring	Raise green manure crops like daincha @ 20 kg/ ha in rice field.
	Sowing	In nursery, maintain the water level to avoid seed loss through rainfall splash.
Banana	Vegetative to bunch formation	Earthing-up and mulching operation may be practiced to retain the rain water.

SMS: Rain:21-25.10.-4,4,12,10&10 mm. postpone the Irrigation. Rainfed crops- Sowing may be taken. Chilli- provide drainage facilities. Rice- Nursery- maintain the water level to avoid seed loss.

Tamil Nadu

With the setting in of Easterlies/Northeasterlies over southern peninsular India, Northeast monsoon rainfall activity is likely to commence over southern peninsular region in the next 48 hours. However, the initial phase of the northeast monsoon in general is likely to be weak.

Under the influence of yesterday's cyclonic circulation over southeast Bay of Bengal, a **Low pressure** area

formed over southwest and adjoining southeast Bay of Bengal at 0530 IST of today 20.10.2023, and lay over the same region at 0830 IST of today, with associated cyclonic circulation extending upto mid tropospheric levels. It is likely to concentrate into a **Depression** over Westcentral Bay of Bengal around 23rd October.

Yesterday's **Low pressure** area over Southeast & adjoining southwest Arabian Sea became **Well marked low pressure** area over southwest Arabian sea at 2330 IST of 19.10.2023 and persisted over the same region at 0530 IST of today 20.10.2023. It concentrated into a **Depression** and lay centered at 0830 IST of today over the same region near latitude 9.3°N & longitude 61.7°E about 920 km east-southeast of Socotra (Yemen), 1190 km southeast of Salalah Airport (Oman) and 1280 km east-southeast of Al Ghaidah (Yemen).

It is likely to move west-northwestwards and intensify into a **Cyclonic Storm** over Southwest Arabian Sea during next 24 hours. Continuing to move west-northwestwards, it is likely to intensify into a **Severe Cyclonic Storm** in the evening of 22nd October. Thereafter, it would move north-northwestwards from 24th morning towards south Oman and adjoining Yemen coasts.

Yesterday's cyclonic circulation over Comorin area and neighbourhood extending upto 5.8 km above mean sea level persists.

Weather forecast	Next five days	<ul style="list-style-type: none"> <input type="checkbox"/> Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area on Day 1 (21.10.2023). <input type="checkbox"/> Light to moderate rain is likely to occur at a few places over coastal Tamilnadu, Puducherry & Karaikal area on Day 2 (22.10.2023). <input type="checkbox"/> Light to moderate rain is likely to occur at one or two places over interior Tamilnadu on Day 2 (22.10.2023). <input type="checkbox"/> Light to moderate rain at a few places with thunderstorm & lightning at one or two places is likely to occur Tamilnadu, Puducherry & Karaikal area from Day 3 (23.10.2023) to Day 5 (25.10.2023).
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**Professor and Head
Agricultural Research Station
Kovilpatti**