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Thoothukudi District level AAB No. 101/2023-24 Day & Date: Tuesday & 19.12.2023

Observed weather during last week (Dated 08 th December to 14 th December 2023)							Weather Parameters / Date	Weather forecast (Valid from 20 th December to 8:30 hrs of 24 th December 2023)				
12/12	13/12	14/12	15/12	16/12	17/12	18/12		Day 1 20/12	Day 2 21/12	Day 3 22/12	Day 4 23/12	Day 5 24/12
1.2	0.6	0.0	0.1	0.0	13.4	343.6	Rainfall (mm)	25	7	8	4	3
29	31	31	31	30	NA	NA	Max. Temp. (°C)	27	26	25	24	24
25	25	24	26	NA	NA	NA	Min. Temp. (°C)	22	21	20	20	20
Generally Cloudy	Generally Cloudy	Generally Cloudy	Cloudy	NA	NA	NA	Cloud cover (Octa)	Cloudy	Cloudy	Cloudy	Generally Cloudy	Generally Cloudy
86	84	86	81	NA	NA	NA	Relative humidity - Mor. (%)	90	90	90	90	80
80	78	78	86	NA	NA	NA	Relative humidity - Eve. (%)	70	70	70	60	60
3	4	2	2	NA	NA	NA	Wind speed (kmph)	18	16	14	16	20
NNE	NNE	NNE	360	NA	NA	NA	Wind direction (dd)	N	N	N	N	NE

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2023 to till dated
24.1	617.3

Weather forecast

- It has been reported that the maximum temperature is likely to decrease by 5°C for the next five days compared to the previous week.
- Light to Moderate rain fall is predicted for next Five Days.
- Sky condition will be generally to cloudy sky.
- Wind speed is expected to be 14-20 km per hour and the wind direction will be from North and Northeast direction.

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Extremely heavy rainfall was recorded during previous week. Hence, farmers are requested drain the water.
Plant protection	Rainfall	Avoid spraying for the next three days. After rain cessation, foliar spraying and soil trenching may be practiced
Black gram	Harvest	Farmers are requested to harvest immediately. Since, rainfall is predicted harvested products may be allowed for shade dry and kept safe.
Groundnut	Flowering stage	Waterlogged condition may lead to yellowing of leaves is noticed. Hence, foliar spray of TNAU GROUNDNUT RICH @ 2 kg / acre at Peak flowering and pod development may be given after rainfall cessation.
Cotton	Square formation to flower	Nipping terminal buds for arresting apical dominance and thus promoting growth sympodial branches for increasing productivity (70 – 75 DAS).
Chilli	Vegetative	Avoid spraying and provide drainage facilities to avoid damping off infection. Soil drenching with copper oxychloride 2.5g/liter and Neem cake.
Paddy	Vegetative stage	1. Drain the water to avoid lodging. 2. Cloudy weather and longer leaf wetness favours blast incidence. Spray carbendazim 50WP @ 500 g/ha or tricyclozole 75 WP @ 500 g/ha after observing initial infection of the disease
Banana	Vegetative to bunch formation	Farmers are requested to practice earthing-up and propping to avoid lodging.
Livestock	Rainfall and	Chance for diseases spread. Farmers are requested to provide vaccination

	Relative humidity	immediately.
Human		Stay in protective environment to avoid diseases spread and weather calamities.

S MS: Rain: 20-24.12-25,7,84&3 mm. Avoid spraying. Provide drainage facilities. Livestock – provide vaccination immediately. Human- stay in protective environment.

Tamil Nadu		
Yesterday's Cyclonic Circulation over Comorin area & neighbourhood now lies over Lakshadweep & neighbourhood and extends upto 3.1 km above mean sea level.		
Weather forecast	Next five days	<ul style="list-style-type: none"> • Day 1 (20-12-2023): Light to moderate rain is likely to occur at a few places over South Tamilnadu, at one or two places over North Tamilnadu, over Puducherry and Karaikal area. Heavy rain is likely to occur at one or two places over Kanyakumari, Tirunelveli, Thoothukudi, Ramanathapuram, Pudukkottai, Thanjavur, Tiruvarur and Nagapattinam districts of Tamilnadu. • Day 2 (21-12-2023) and Day 3 (22-12-2023): Light to moderate rain is likely to occur at a few places over South Tamilnadu, at one or two places over North Tamilnadu, over Puducherry and Karaikal area. • Day 4 (23-12-2023) and Day 5 (24-12-2023): Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area

**Professor and Head
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