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Thoothukudi District level AAB No. 001/2024 Day & Date: Tuesday & 02.01.2024

Observed weather during last week (Dated 26 th December 2023 to 01 st January 2, 2024)							Weather Parameters / Date	Weather forecast (Valid from 3 rd January 2024 to 8:30 hrs of 7 th January 2024)				
26/12	27/12	28/12	29/12	30/12	31/12	01/01		Day 1 03/01	Day 2 04/01	Day 3 05/01	Day 4 06/01	Day 5 07/01
0.0	0.0	0.2	0.0	0.2	0.0	0.0	Rainfall (mm)	9	3	3	5	4
NA	30	31	31	NA	NA	NA	Max. Temp. (°C)	30	29	29	28	28
24	24	24	24	NA	NA	NA	Min. Temp. (°C)	24	23	23	22	22
Cloudy sky	Cloudy sky	Generally cloudy	Generally cloudy	NA	NA	NA	Cloud cover (Octa)	Generally cloudy	cloudy	Generally cloudy	Generally cloudy	cloudy
86	82	87	84	NA	NA	NA	Relative humidity - Mor. (%)	90	90	80	90	90
85	83	81	85	NA	NA	NA	Relative humidity - Eve. (%)	60	60	60	60	60
4	3	2	2	NA	NA	NA	Wind speed (kmph)	14	14	12	12	12
NNE	NNE	NNE	N	NA	NA	NA	Wind direction (dd)	N	N	N	N	N

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2023 to till dated
0.2	0.0

Weather forecast

- The maximum temperature is likely to decrease by 1°C Celsius for the next five days compared to the previous week.
- Light rain fall is predicted next five days
- Sky condition will be generally cloudy sky.
- Wind speed is expected to be 12-14 km per hour and the wind direction will be from North direction.

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Irrigate the crop based on the crop requirement.
Plant protection	Relative humidity	Cloudy weather with high relative humidity without rainfall may result to disease incidence. Hence, farmers are requested to go for fungicide spraying.
Black gram	Harvest	Farmers are requested to harvest immediately. Since, rainfall is predicted harvested products may be allowed for shade dry and kept safe.
Pulses	Relative humidity	High relative humidity may induce powdery disease incidence due to High relative humidity. To avoid spray Wettable sulphur 80 WP @ 1500g/ha.
Maize & Sorghum	Cob development	If Fall army worm incidence noticed with the prevailed weather. To control spray Chlorantraniliprole 18.5 SC@ 3 ml / 10lit. of water using manually operated or battery-operated high- volume knapsack sprayer only with a spray volume of 500 lit./ha.
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.
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 to flowering.	<ul style="list-style-type: none"> • Water logged condition led to damping off infection, and yellowing of leaves. To overcome practice soil drenching with copper oxychloride@ 2.5g/litre and Neem oil spray. • High relative humidity result Powdery mildew, spraying of Wettable sulphur @3 g/lit or Carbendazim 1 g/lit. at 15 days interval of 3 sprays are required from the first appearance of symptom.

Paddy	Vegetative stage	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	To overcome the wind damage, propping may be practice to prevent lodging.
Livestock	Rainfall and Relative humidity	Chance for diseases spread. Farmers are requested to provide vaccination immediately.

SMS: Rain: 3-7.1-9,3,3,5&4 mm. Cotton - Nipping. Relative humidity –powdery mildew-spray Wettable sulphur @3 g/lit. Livestock – disease spread- provide vaccination immediately. Pulses- machine harvest and kept safe.

Tamil Nadu		
A cyclonic circulation lies over southwest Bay of Bengal off south Sri Lanka coast and extends upto mid-tropospheric levels.		
Weather forecast	Next five days	<ul style="list-style-type: none"> • Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area on Day 1 (03.01.2024) and Day 2 (04.01.2024). • Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area on Day 3 (05.01.2024) and Day 4 (06.01.2024). • Heavy rain is likely to occur at one or two places over Nilgiris district of Tamilnadu on Day 3 (05.01.2024) and Day 4 (06.01.2024). • Light to moderate rain is likely to occur at occur at a few places over Tamilnadu,Puducherry & Karaikal area on Day 5 (07.01.2024).

**Professor and Head
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Kovilpatti**