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Thoothukudi District level AAB No. 006/2024 Day & Date: Friday & 19.01.2024

(Observed weather during last week Dated 12 <sup>th</sup> January 2024 to 18 <sup>th</sup> January, 2024)							Weather Parameters / Date	Weather forecast (Valid from 20 <sup>th</sup> January 2024 to 8:30 hrs of 24 <sup>th</sup> January 2024)				
12/01	13/01	14/01	15/01	16/01	17/01	18/01		Day 1 20/01	Day 2 21/01	Day 3 22/01	Day 4 23/01	Day 5 24/01
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	8	3	2	2	2
29	NA	NA	NA	NA	NA	30	Max. Temp. (°C)	31	30	30	30	31
25	NA	NA	NA	NA	23	24	Min. Temp. (°C)	25	24	24	23	23
Generally cloudy	NA	NA	NA	NA	clear sky	Generally cloudy	Cloud cover (Octa)	generally cloudy	generally cloudy	generally cloudy	partly cloudy	partly cloudy
87	NA	NA	NA	NA	80	87	Relative humidity - Mor. (%)	90	90	90	80	80
82	NA	NA	NA	NA	82	80	Relative humidity - Eve. (%)	70	60	50	50	50
4	NA	NA	NA	NA	0	2	Wind speed (kmph)	12	14	16	12	12
NE	NA	NA	NA	NA	N	E	Wind direction (dd)	ENE	ENE	ENE	NNE	ENE

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2023 to till dated
0.0	16.6

**Weather forecast**

- The maximum temperature is likely to increase for the next five days compared to the previous week.
- Very light to light rain fall is predicted for next five days.
- Sky condition will be partly to generally cloudy sky.
- Wind speed is expected to be 12-16 km per hour and the wind direction will be from East-Northeast and North-Northeast direction.

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Irrigate the crop based on local weather condition.
Plant protection	Relative humidity/ dew	Rainfall is predicted for next five days, chance for receipt of rainfall. Hence, spraying may be postponed.
Black gram	Harvest	Farmers are requested to go with machine harvest and kept safe.
Maize & Sorghum	Maturity	Farmers are requested to go with machine harvest and kept safe.
Cotton	Squaring to boll formation stage	<ul style="list-style-type: none"> <li>• Spray TNAU COTTON PLUS@2.5 kg / acre with 200 litres at Flowering and boll formation. Add adequate quantity of wetting agent to reduces flower and square shedding and improves boll bursting.</li> <li>• Thrips incidence was noticed. spray imidachloprid 200 SL @100 ml or Dimethoate 30 % EC@500 ml/hect. or NSKE 5% @ 2 kg/ha.</li> <li>• Low cloud cover and humidity, may be boll worm incidence. Spray Phosalone 35% EC@ 2.5 l/ ha or Quinalphos 25 EC@ 2.0 l/ha (or) Emamectin benzoate 5% SG 190-220 g/ha .</li> </ul>
Sunflower	Heading stage	The expected weather having low cloud cover and moderate to high humidity are conducive for the incidence of head borer. To control the pest, spray 5% Neem oil or 5% Neem Seed Kernel extract before egg laying.

<b>Sesame</b>	Pod development stage	Prevailing weather condition is favorable for Sesamum phyllody incidence. To control vector, spray Monocrotophos 36 or Dimethoate 30 EC 500 ml/ha.
<b>Chilli</b>	Flowering	<ul style="list-style-type: none"> <li>• High relative humidity induces 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.</li> <li>• In order to meet the nutrient requirement, spray 1% solution of 19:19:19 fertilizer.</li> </ul>
<b>Banana</b>	Vegetative to bunch formation	To overcome the wind damage, propping may be practice to prevent lodging.
<b>Livestock</b>	Relative humidity	Farmers are requested to provide vaccination immediately.

SMS: Rain: 20-24.01-8,3,2,2&2 mm. Matured crops- machine harvest. Spray Wettable sulphur @3 g/lit. for Chilli Powdery mildew and spray 1% 19:19:19 fertilizer. Spray 5% Neem oil for Sunflower head borer.

<b>Tamil Nadu</b>		
Weather forecast	Next five days	<ul style="list-style-type: none"> <li>• Light to moderate rain with thunderstorm &amp; lightning is likely to occur at one or two places over South Tamil Nadu, Delta districts and Karaikal area on Day 1 (20.01.2024).</li> <li>• Dry weather is very likely to prevail over rest Tamil Nadu and Puducherry on Day 1 (20.01.2024).</li> <li>• Light to moderate rain is likely to occur at one or two places over South Tamil Nadu, Delta districts and Karaikal area on Day 2 (21.01.2024).</li> <li>• Dry weather is very likely to prevail over rest Tamil nadu and Puducherry on Day 2 (21.01.2024).</li> <li>• Dry weather is very likely to prevail over Tamil nadu, Puducherry &amp; Karaikal area from to Day 3 (22.01.2024) to Day 5 (24.01.2024).</li> </ul>
Extended range weather forecast		<ul style="list-style-type: none"> <li>• Week (26-01-2024 to 01-02-2024): Generally dry condition is likely over Tamil Nadu, Puducherry and Karaikal.</li> </ul>

**Professor and Head  
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