



**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. 007/2024 Day & Date: Tuesday & 23.01.2024

(Observed weather during last week (Dated 16 th January 2024 to 22 nd January, 2024)							Weather Parameters / Date	Weather forecast (Valid from 24 th January 2024 to 8:30 hrs of 28 th January 2024)				
16/01	17/01	18/01	19/01	20/01	21/01	22/01		Day 1 24/01	Day 2 25/01	Day 3 26/01	Day 4 27/01	Day 5 28/01
0.0	0.0	0.0	0.0	0.2	2.4	0.0	Rainfall (mm)	0	0	0	0	0
NA	NA	30	31	31	NA	NA	Max. Temp. (°C)	31	31	31	31	31
NA	23	24	21	21	NA	NA	Min. Temp. (°C)	22	22	22	21	22
NA	clear sky	Generally cloudy	partly cloudy	partly cloudy	NA	NA	Cloud cover (Octa)	partly cloudy	Clear sky	partly cloudy	Clear sky	generally cloudy
NA	80	87	72	67	NA	NA	Relative humidity - Mor. (%)	80	80	80	80	80
NA	82	80	62	60	NA	NA	Relative humidity - Eve. (%)	50	50	40	40	50
NA	0	2	13	7	NA	NA	Wind speed (kmph)	12	12	16	18	20
NA	N	E	E	E	NA	NA	Wind direction (dd)	ENE	ENE	ENE	NNE	NNE

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2023 to till dated
2.6	19.2

Weather forecast

- **The maximum temperature is likely to increase for the next five days compared to the previous week.**
- **No rainfall is predicted for next five days.**
- **Sky condition will be partly to generally cloudy sky.**
- **Wind speed is expected to be 12-20 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.
Plant protection	Relative humidity/ dew	Fungicide Spray may be given to avoid diseases due to high relative humidity
Cotton	Squaring to boll formation stage	<ul style="list-style-type: none"> • 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. • Thrips incidence was noticed. spray imidachloprid 200 SL @100 ml or Dimethoate 30 % EC@500 ml/hect. or NSKE 5% @ 2 kg/ha. • 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 .
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.
Sesame	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.
Chilli	Flowering	• High relative humidity induces Powdery mildew, spraying of Wetable sulphur

		<p>@3 g/lit or Carbendazim 1 g/lit. at 15 days interval of 3 sprays are required from the first appearance of symptom.</p> <ul style="list-style-type: none"> • In order to meet the nutrient requirement, spray 1% solution of 19:19:19 fertilizer.
Banana	Vegetative to bunch formation	To overcome the wind damage, propping may be practice to prevent lodging.
Livestock	Dry spell	As dry condition is expected provide water frequently.

SMS: Rain: Nil. Irrigate the crops. 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.

Tamil Nadu		
Weather forecast	Next five days	<ul style="list-style-type: none"> • Dry weather is very likely to prevail over Tamilnadu, Puducherry & Karaikal area, Mist/Haze is likely to prevail during early morning hours on Day 1 (24.01.2024) and Day 2 (25.01.2024). • Dry weather is very likely to prevail over Tamilnadu, Puducherry & Karaikal area from Day 3 (26.01.2024) to Day 5 (28.01.2024).

**Professor and Head
Agricultural Research Station
Kovilpatti**