



**Gramin Krishi Mausam Sewa (GKMS)
Agromet Field Unit (AMFU)**

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Thoothukudi District level AAB No. 005/2024 Day & Date: Tuesday & 16.01.2024

Observed weather during last week Dated 09 th January 2024 to 15 th January, 2024							Weather Parameters / Date	Weather forecast (Valid from 17 th January 2024 to 8:30 hrs of 21 st January 2024)				
09/01	10/01	11/01	12/01	13/01	14/01	15/01		Day 1 17/01	Day 2 18/01	Day 3 19/01	Day 4 20/01	Day 5 21/01
3.0	7.1	0.1	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	2	3	1
30	27	29	29	NA	NA	NA	Max. Temp. (°C)	29	29	29	28	28
25	25	25	25	NA	NA	NA	Min. Temp. (°C)	21	21	20	20	20
Mainly cloudy	Mainly cloudy	Mainly cloudy	5	NA	NA	NA	Cloud cover (Octa)	Mainly clear	Clear	Mainly clear	Mainly clear	Clear
89	83	86	87	NA	NA	NA	Relative humidity - Mor. (%)	80	80	90	90	80
92	81	83	82	NA	NA	NA	Relative humidity - Eve. (%)	40	50	60	50	40
2	2	2	4	NA	NA	NA	Wind speed (kmph)	12	10	12	16	14
NNE	NNE	E	NE	NA	NA	NA	Wind direction (dd)	NE	NE	NE	NE	NE

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2023 to till dated
10.2	16.6

Weather forecast

- **The maximum temperature for the next five days may remain same as compared to the previous week.**
- **Very light rain fall is predicted on day 3 to day 5.**
- **Sky condition will be mainly clear sky.**
- **Wind speed is expected to be 10-16 km per hour and the wind direction will be from 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
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"> • 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 Kernal extract before egg laying.
Sesame	Pod development	Prevailing weather condition is favorable for Sesamum phyllody incidence. To control vector, spray Monocrotophos 36 or Dimethoate 30 EC 500 ml/ha.

	stage	
Chilli	Flowering	<ul style="list-style-type: none"> • 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. • Trench with neem cake to avoid fungal growth.
Banana	Vegetative to bunch formation	To overcome the wind damage, propping may be practice to prevent lodging.
Livestock	Relative humidity	Farmers are requested to provide vaccination immediately.

SMS: Rain: 19-21.01-2,3&1 mm. Pulses- machine harvest. Irrigate ethe crop. Chilli - Powdery mildew- spray Wettable sulphur @3 g/lit. sunflower- head borer. spray 5% Neem oil. Sesame – phyllody- spray Dimethoate 30 EC 500 ml/ha.

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 on Day 1 (17.01.2024) and Day 2 (18.01.2024). • Light rain is likely to occur at one or two places over South Tamilnadu from Day 3 (19.01.2024) to Day 5 (21.01.2024). • Dry weather is very likely to prevail over North Tamilnadu, Puducherry & Karaikal area Day 3 (19.01.2024) to Day 5 (21.01.2024).

**Professor and Head
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