



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



Tirunelveli District level AAB No. 029/2024 Day & Date: Tuesday & 09.04.2024

Observed weather for the period 04 th April to 08 th April 2024							Weather Parameters / Date	Weather forecast (Valid from 10 th April 2024 to 8:30 hrs of 14 th April 2024)				
02/04	03/04	04/04	05/04	06/04	07/04	08/04		Day 1 10/04	Day 2 11/04	Day 3 12/04	Day 4 13/04	Day 5 14/04
0.0	0.0	0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	0	0	0	3	1
38	38	36	38	39	39	38	Max. Temp. (°C)	39	39	38	38	38
27	27	28	27	28	29	28	Min. Temp. (°C)	28	26	27	26	26
Partly cloudy	Partly cloudy	Generally cloudy	Generally cloudy	Partly cloudy	Clear	Partly cloudy	Cloud cover (Octa)	Clear	Partly cloudy	Partly cloudy	cloudy	Partly cloudy
67	65	63	67	65	64	64	Relative humidity - Mor. (%)	70	70	70	70	70
40	42	42	44	42	41	42	Relative humidity - Eve. (%)	30	40	40	40	40
2	2	2	0	2	3	4	Wind speed (kmph)	10	8	8	8	10
WSW	SSE	WSW	SW	SW	SW	SE	Wind direction (dd)	NE	NE	NE	NE	NE

Rainfall (mm) in last week	Rainfall (mm) from 01/01/2024 to till dated
0.0	247.7

Weather forecast

- The maximum temperature is likely to be increase with 1°C the previous week
- Very light rainfall is predicted on day 4 and Day 5.
- Sky condition will be clear to partly cloudy.
- Wind speed is expected to be 8-10 km per hour and the wind direction will be from West-Southwest, South-Southeast, East-Northeast direction.

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	No rainfall is predicted for next five days. Farmers are advised to irrigate the crop and fertilizer application.
		Though rainfall is predicted on day 4 & day 5, farmers are requested for sprinkler or rain gun with soil moisture practices to avoid crop stress.
rained / irrigated crops	Plant protection	Spraying maybe practiced. Usage of bioproducts may be practiced for plant protection to avoid scorching effect.
Paddy	Flowering stage	To overcome the heat stress, Foliar spray of 2% MAP + 1% KCl at flowering improves grain filling rate and yield
	Panicle initiation stage	To overcome the heat stress, PPFM-Pink Pigmented Facultative as foliar spray @ 500 ml/ha at PI & flag leaf stage recommend
Livestock	Temperature	Adults couldn't withstand the high temperature, to reduce the heat load usage of water sprinklers or misters can be useful to reduce temperature.
Human		Heat gain in the human body result to cascade of illnesses, including heat cramps, heat exhaustion, heatstroke, and hyperthermia. So requested to drink some water or fruit juice to rehydrate.

SMS: Rain: 13&14-3&1mm. farmers are requested to go for flood and sprinkle to avoid crop stress. Human and animals – increase in temperature advice for intake of water frequently to reduce heat stroke.

Tamil Nadu

Yesterday's trough/wind discontinuity from north Coastal Andhra Pradesh to south Tamil Nadu now runs from north Gujarat to south Tamil Nadu across the cyclonic circulation over Madhya Maharashtra and Interior Karnataka at 0.9 km above mean sea level.

Weather forecast	Next five days	<p>Day 1 (10.04.2024) and Day 2 (11.04.2024) : Dry weather is very likely to prevail over Tamilnadu, Puducherry & Karaikal area.</p> <p>Day 3 (12.04.2024): Light to Moderate rain is likely to occur at one or two places over Coastal Tamilnadu and adjoining districts, Puducherry & Karaikal area.</p> <p>Dry weather is very likely to prevail over rest Tamilnadu.</p> <p>Day 4 (13.04.2024) and Day 5 (14.04.2024) : Light to Moderate rain with Thunderstorm and lightning is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area.</p>
Maximum Temperature:		<p>Day 1 (09.04.2024) : It is likely to be 38°C to 41°C at many pockets over the plains of the interior districts; and 34°C to 38°C over most pockets in the coastal areas of Tamilnadu.</p> <p>Day 2 (10.04.2024) & Day 3(11.04.2024): Maximum temperatures over Tamilnadu is likely to be generally 2-3°C above normal.</p>
Relative Humidity:		<p>Day 1 (10.04.2024) to Day 3 (12.04.2024) : Humidity is likely to be about 30-50% in the afternoon hours and 40-70% during the rest of the day over the plains of interior districts; and 50-80% over the coastal areas during the next three days</p>

**Professor and Head
Agricultural Research Station
Kovilpatti**