



Tamil Nadu Agricultural University
&
India Meteorological Department
Agromet Advisory Bulletin for the Virudhunagar district
Bulletin No. 050/2022 Issued on 24.06.2022
(From 25th June 2022 to 29th June 2022)



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TNAU & IMD

Weather Summary for the period since the issue of last bulletin 49 (21.06.2022) for Tamil Nadu. Maximum temperature ranged on 31-37°C and minimum temperature ranged on 21-29°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 17-20°C and minimum temperature ranged on 10-11°C. During this period scattered distribution with very light to moderate intensity of rainfall was recorded in Tamil Nadu

Weather Summary for Virudhunagar district

| Past week weather Summary (21.06.2022 to 23.06.2022) | | | Weather Parameters | Ensemble weather forecast valid until 08:30 hrs of 29.06.2022 | | | | |
|---|----------------|----------------|---|--|----------------|----------------|----------------|----------------|
| Day 1 21/06 | Day 2 22/06 | Day 3 23/06 | | Day 1 25/06 | Day 2 26/06 | Day 3 27/06 | Day 4 28/06 | Day 5 29/06 |
| 0.9 | 0.0 | 0.0 | Rainfall (mm) | 0 | 3 | 0 | 0 | 0 |
| 35 | 36 | 37 | Max. Temp. (°C) | 37 | 37 | 37 | 37 | 37 |
| 25 | 25 | 25 | Min. Temp. (°C) | 27 | 27 | 27 | 27 | 27 |
| 5 | 6 | 7 | Cloud cover (Octa) | 4 | 4 | 4 | 4 | 4 |
| 80 | 58 | 66 | Relative humidity - Mor. (%) | 65 | 65 | 65 | 65 | 65 |
| 46 | 47 | 73 | Relative humidity - Eve. (%) | 45 | 45 | 45 | 45 | 45 |
| 11 | 7 | 3 | Wind speed (kmph) | 10 | 10 | 10 | 10 | 10 |
| 290/WN W | 270/W | 290/WN W | Wind direction (dd) | 250/W SW | 250/W SW | 250/W SW | 250/ WSW | 250/W SW |

Weather forecast for next five days: 25.06.2022 to 29.06.2022

According to district forecast issued by the India Meteorological Department for Virudhunagar district, sky condition will be partly cloudy sky. Very light rainfall is predicted on day 2 (26.06.2022). The Maximum temperature is expected to be around 37°C and Minimum temperature is expected to be around 27°C. Morning relative humidity is expected to be around 65 per cent and evening relative humidity is expected to be around 45 per cent. 24-hour wind speed is expected to be around 10 km per hour and the wind direction will be from Southwest and West South West direction.

Agromet Advisory

| Crop/ Ecosystem | Stage / Activities | Advisories |
|--------------------|---|--|
| Irrigated crops | Water management | Very light rainfall is predicted on day 2 (26.06.2022). Farmers are requested to irrigate the crop. |
| Dry land | | Farmers are requested to practice ploughing based on the receipt of rainfall. |
| Cotton | Square formation and boll development stage | Prevailing weather condition favours the crop relation build-up of sucking pest like leaf hopper, thrips, whitefly and mealy bug in cotton. To manage the pest, spray Flonicamid 15% WG @60g/acre. Repeat the dose, 15 days after first spraying if needed. |
| Rainfed Sunflower | Flowering stage | <p>Present weather condition it is suitable for Boron application. Spray borax @ 0.2 % (2g/l of water) to capitulum at ray floret opening stage to improve seed set and seed filling.</p> <p>To improve the seed set the following mechanical mechanism to be followed.</p> <ul style="list-style-type: none"> <input type="checkbox"/> During the mid-flowering phase, improve pollination by: <ul style="list-style-type: none"> i. Mild rubbing of the capitulum with the hand covered with soft cloth or ii. Rubbing two flowers face to face gently. <input type="checkbox"/> The mid-flowering phase are: 58 to 60 days of planting for long duration varieties, 45 to 48 days of planting for short duration varieties. <input type="checkbox"/> Do this operation in the morning hours between 9.0 and 11.00 am when pollen shedding is high. <input type="checkbox"/> Keeping bee hives at the rate of 5/ha improves seed setting. |
| Mango | Fruiting stage and harvest stage | <p>Prevailing weather condition favours Mango anthracnose: This is a fungal disease. It causes leaf spot, blight die back, blossom blight and fruit rot. This pathogen affects the crop both at field and storage conditions also.</p> <p>Management: 1. Spray carbendazin + mancozeb (0.2%). 2. If severity is high repeat the spray at 15 days interval. 3. Before storage treat the fruits with hot water (50-55°C) for 15 minutes.</p> |

SMS: Rain: 26.06-3 mm. Irrigate the crop and spraying. Sunflower- Spray borax @ 0.2 % (2g/l of water) to capitulum at ray floret opening stage to improve seed set and seed filling.

Tamil Nadu

Southwest Monsoon has been active over Coastal Karnataka. Yesterday's off-shore trough at mean sea level from south Gujarat coast to Karnataka coast persists. Yesterday's feeble trough from north interior Tamilnadu to Comorin area now runs across interior Tamilnadu upto 0.9km above mean sea level.

| | | |
|------------------------------------|----------------------|---|
| Next five days | Weather warning | <ul style="list-style-type: none"> ☐ Light to moderate rain is likely to occur at a few places with isolated thunderstorm and lightning over Tamilnadu, Puducherry and Karaikal area on Day 1 (25.06.2022) ☐ Light to moderate rain is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area on Day 2 (26.06.2022) and Day 5 (29.06.2022) |
| | Thunderstorm Warning | Day 1 (25.06.2022): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area. |
| Extended range of weather forecast | | <p>Week 2 (01.07.2022 to 07.07.2022):</p> <ul style="list-style-type: none"> ☐ There is possibility of slightly above normal rainfall over the extreme northern parts and near normal rainfall over the rest of Tamilnadu, Puducherry & Karaikal during the week ☐ Maximum temperatures are likely to be generally near normal over Tamilnadu, Puducherry & Karaikal and are likely to be in the range 30°C to 34°C in the north coastal and adjoining districts, 26°C to 34°C in the plains of the rest of north interior districts and in the range 28°C to 34°C in the plains of the southern districts of Tamilnadu during week ☐ Minimum temperatures are likely to be generally near normal over Tamil Nadu, Puducherry and Karaikal and are likely to be in the range 24°C to 28°C in the coastal and adjoining interior districts of Tamil Nadu, Puducherry and Karaikal and 20°C to 24°C in the plains of the rest of the districts of Tamil Nadu during the week |

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