



Agromet Advisory Bulletin for the Nagapattinam District

(From 20th May 2023 to 24th May 2023)

Issued jointly by Tamil Nadu Rice Research Institute -
Aduthurai and IMD



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Weather Summary for the period since the issue of last bulletin no. 39 (16.05.2023) for Tamil Nadu: Nagapattinam district

Maximum temperature of 37 – 40 °C, minimum temperature of 28 - 29 °C, was recorded in Nagapattinam district.

Weather Summary and forecast for Nagapattinam district

| Past week Summary 16.05.2023 to 18.05.2023 | | | Parameters | Ensemble weather forecast valid until 08.30 hr of 24.05.2023 | | | | |
|---|----------------|----------------|-----------------|---|---------------------|---------------------|---------------------|---------------------|
| Day-1 16/05 | Day-2 17/05 | Day-3 18/05 | | Date | Day-1 20/05 | Day-2 21/05 | Day-3 22/05 | Day-4 23/05 |
| 0 | 0 | 0 | Rainfall (mm) | 0 | 0 | 2 | 0 | 0 |
| 38 | 40 | 37 | Max. Temp. (°C) | 38 | 38 | 39 | 38 | 39 |
| 29 | 29 | 28 | Min. Temp. (°C) | 28 | 28 | 27 | 28 | 28 |
| 5 | 4 | 3 | Cloud cover | 2 | 2 | 4 | 2 | 2 |
| 84-82 | 79-74 | 84-63 | RH I-II (%) | 75-65 | 75-65 | 75-65 | 75-65 | 75-65 |
| 8 | 12 | 9 | Wind (kmph) | 10 | 10 | 10 | 10 | 10 |
| South | South | South | Wind direction | South South West | South South West | South South West | South South West | South South West |

Weather forecast for next five days (20.05.2023 to 24.05.2023)

According to district level forecast issued by India Meteorological Department for Nagapattinam district, the sky will be clear. Light drizzling is expected on 22.05.2023. Maximum temperature is expected to be around 38 – 39 °C and minimum temperature is expected to be around 27 - 28 °C. Morning relative humidity is expected to be around 75 percent and evening relative humidity is expected to be around 65 percent. Average wind speed is expected to be around 10 km per hour. The wind direction will be south south west.

Agro Advisory

| Crop | Stage | Advisory |
|---------|------------|---|
| General | | Considering the dry climate, irrigate the crop abundantly. |
| Rice | Nursery | Rice varieties ADT 36, ADT 43, ADT 45 and ADT 47 are suitable for kuruvai season. |
| Rice | Nursery | The seeds should be treated with carbendazim (2 g/kg of seeds) or Pseudomonas (10g/kg of seeds) before sowing. |
| Rice | Nursery | Due to prevailing weather condition chances of thrips infestation in paddy field. To control spray thiamethoxam 25% WG 100 g/ha or dimethoate 1.5ml/l. 2 |
| Coconut | All stages | Rugose Spiralling whitefly is noticed in the prevailed weather condition. Application of water, maida solution as spray in order to increase the population of Encarsia parasitic. Also keep yellow stick trap. |
| Cattle | Cow | As temperature is incensing, spread coconut leaves or paddy straws over the roof of the animal shed and spray cold water to reduce heat stress to the animals. |
| | | When the air temperature is above 35 degrees Celsius the dairy cattle tend to drink more water thereby decreasing the Dry Matter Intake (DMI). Hence to overcome this succulent protein rich green fodder mixed with green fodder may be provided to livestock. |

SMS advisory

Considering the dry climate, irrigate the crop abundantly.

**Director
TRRI, Aduthurai**