



Agromet Advisory Bulletin for the Nagapattinam District

(From 17th December 2022 to 21st December 2022)

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. 99 (13.12.2022) for Tamil Nadu: Nagapattinam district

Maximum temperature of 30 °C, minimum temperature of 24 °C - 25 °C isolated rainfall were recorded in Nagapattinam district.

Weather Summary and forecast for Nagapattinam district

Past week Summary 13.12.2022 to 15.12.2022			Parameters	Ensemble weather forecast valid until 08.30 hrs of 21.12.2022				
Day-1 13/12	Day-2 14/12	Day-3 15/12		Date	Day-1 17/12	Day-2 18/12	Day-3 19/12	Day-4 20/12
0	0.6	0	Rainfall (mm)	3	4	4	16	22
30	30	30	Max. Temp. (°C)	30	29	29	28	26
25	24	24	Min. Temp. (°C)	23	23	22	22	21
6	6	4	Cloud cover (Octa)	8	7	7	7	8
94-87	83-83	78-74	RH I-II (%)	90-70	90-70	90-70	90-80	90-80
2	4	5	Wind (kmph)	16	18	16	16	16
South	South South East	North East	Wind direction	East North East	East North East	East	East	East

Weather forecast for next five days (17.12.2022 to 21.12.2022)

According to district level forecast issued by India Meteorological Department for Nagapattinam district, the sky will be moderately cloudy. Rainfall is expected on 17.12.2022 to 21.12.2022. Maximum temperature is expected to be around 26 °C - 30 °C and minimum temperature is expected to be around 21 °C - 23 °C. Morning relative humidity is expected to be around 90 percent and evening relative humidity is expected to be around 70-80 percent. Average wind speed is expected to be around 16-18 km per hour the wind direction will be east.

Crop	Stage	Advisory
General		Postpone / avoid irrigation to all crops.
		Provide adequate drainage facilities to lands liable to water stagnation.
Rice	Main field	If leaf folder symptoms found (folded leaf, white scrape on leaf) apply Carbosulfan 6% G 16.7 kg/ha or Cartaphydrochloride 50 % SP 1000 g/ha as soil application or Beauveria bassiana 5 gram / 1 litter after rain cessation. Beauveria bassiana is available at Tamil Nadu Rice Research Institute – Aduthurai.
		The prevailing weather condition is favourable for gall midge infection. It leads to the formation of onion like leaf and prevents panicle formation. To control this apply chloripyriphos 20 EC 500 ml/ha or Beauveria bassiana 5 gram / 1 litter after rain cessation.
		Sheath blight is being noticed in the paddy field due to prevailing weather condition. To control this, spray carbendazim 200g/ac or propiconazole 200 ml/acre in 200 liter water after rain cessation.
Cattle	Cow and Goat	The prevailing night time temperature is favorable for pneumonia formation in cattle. To reduce the risk of pneumonia, cow, goat and calves shouldn't be left out in open condition during night. A suitable night time shelter with enough heating provision must be given.

SMS advisory

Postpone irrigation to all crops and provide adequate drainage facility to cropped fields wherever essential.

**Director
TRRI, Aduthurai**