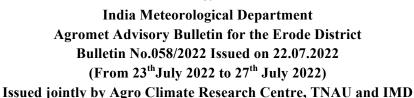


# Tamil Nadu Agricultural University





Weather Summary for the period since the issue of last bulletin 057 (19.07.2022) for Tamil Nadu. Maximum temperature ranged from 30°C to 37°C and minimum temperature ranged from 24°C to 28°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged from 15°C to 19°C and minimum temperature ranged from 10°C to 12°C. During this period isolated rainfall was recorded in Tamil Nadu.

#### **Weather Summary for Erode district**

Past week Summary (17.07.2022 to 21.07.2022)						Ensemble weather forecast valid until 08.30 hrs of 27.07.2022				until
Day-1 17/07	Day-2 18/07	Day-3 19/07	Day-4 20/07	Day-5 21/07	Date	Day-1 23/07	Day-2 24/07	Day-3 25/07	Day-4 26/07	Day-5 27/07
1.3	3.1	0.8	1	0.4	Rainfall	14	4	4	3	6
30	31	29	31	31	Max. Temp. (°C)	37	36	36	35	35
22	23	22	23	23	Mini. Temp. (°C)	20	20	21	21	21
7	7	7	7	7	Cloud cover (Octa)	8	8	8	8	8
87	88	91	91	90	RH morning (%)	70	70	70	70	70
87	91	74	80	69	RH evening (%)	40	40	40	40	40
20	12	19	14	15	Wind (kmph)	7	6	8	5	6
200	230	230	200	200	Wind Direction	260	260	270	270	270

#### **Weather forecast for next five days: (23.07.2022 to 27.07.2022)**

According to district forecast issued by the India Meteorological Department for Erode district, sky will be cloudy. Light to moderate rainfall is expected on next five days. Maximum temperature is expected to be around 35°C to 37°C. Minimum temperature is expected to be around 20°C to 21°C. Morning relative humidity is expected to be around 70 per cent and evening relative humidity is expected to be around 40 per cent. Average wind speed is expected to be around 5-8 km per hour and the wind direction will be from South West direction.

## Agro Advisory

Crop	Stage	Advisory
General		Light to moderate rainfall is expected in western zone.  Due to continuous rainfall, provide adequate drainage to all crops.  Isolated areas adjoining to western ghats will receive heavy rain fall, hence provide contour trench channel for draining the excess water from cultivated field and fallow land to reduce soil erosion.
Rice	Transplanting	Kar rice at tillering stage may be applied with 30 kg Nitrogen and $10 \text{ kg K}_2\text{O/ha}$ . Do not drain water after fertilizer application. Since the weather is favourable for green leaf hopper infestation in Kar rice, spray fenthion $100 \text{ EC } @ 500 \text{ ml}$ / ha.
Maize	Vegetative	Irrigated maize crop at 30 days old may be top dressed with urea 55kg and 12kg MOP/ acre after weeding.
Groundnut	Vegetative	Prevailing weather condition is conducive for the cercospora leaf spot in groundnut monitor the disease initiation and if already crop is infected spray mangozeb @ 2.5 g per litre of water.
Sugarcane		De-trashing, removal of dry cane leaves and propping is advised to avoid borer infestation in early season planted cane of 150 days old. By utilizing the anticipated rainfall, top dressing may be done in late season planted cane with 90kg Nitrogen/ ha + 37kg K2O/ ha. Nitrogen may be applied through neem cake blended.
Tomato	Nursery	Due to cloudy and humid weather <i>Trichoderma viride</i> may be applied @ 2.5 kg per hectare to prevent damping off disease or soil borne diseases in tomato.  Drench the 18 days old and above tomato seedlings in nursery with
		water soluble 19:19:19 fertilizer @ 0.5% (5g/lit) for getting vigours seedlings.
Gourds	Sowing	Best season for sowing gourds vegetable is by July 15 <sup>th</sup> - 30 <sup>th</sup> Hence sow the seeds utilizing the anticipated rainfall.  Prevailing high cloudiness with high humidity enhance the green Jassids in ribbed gourd, watch for the incidence and spray 3% neem seed kernel extract.

Banana	Since rainfall with wind speed of more than 7 km/hour is expected,
	propping may be done to banana crop to prevent lodging.
Turmeric	Occurrence of leaf spot incidence in turmeric crop may be
	monitored because of heavy wind, high relative humidity and
	cloudiness.
	In Turmeric, spray each 375 g ferrous sulphate, Zinc sulphate,
	Borax and of Urea in 250 lit of water/ha during non rainy period to
	correct micronutrients deficiency due to cloudy weather.
Curry leaf	Leaf spot disease is noticed in Curry leaf due to prevailing weather
	and hence, spray Carbendazim @ 1g/ lit of water.
Coconut	By utilizing rainfall, apply fertilizer for coconut @ 650 gm urea,
	1kg SuPo4, 1kg MOP and 2kg Neem cake along with 50kg FYM.
	Provide inward basin in around the coconut trees to harvest
	rainwater in root zone.
	Severe infestation from slug caterpillar is noticed in coconut trees
	which defoliate coconut fronts. To control, either spray Dichlorvos
	76 WSC at 2ml/ lit of water.
Animal	Prevailing weather is conducive for mastitis disease in milch
	animals. Wash the udder with 1 per cent Kmno <sub>4</sub> before and after
	milking.
	Monsoon favours Enterotoxemia and Blue Tongue diseases in Goat.
	Provide vaccine to Goats at nearby Veterinary hospitals. Also do deworming.

### **SMS** advisory

Monsoon favours Enterotoxaemia and Blue Tongue diseases in Goat. Provide vaccine to Goats at nearby Veterinary hospitals. Also do deworming.