



Tamil Nadu Agricultural University
&
India Meteorological Department
Agromet Advisory Bulletin for the Coimbatore District
Bulletin No.058/2022 Issued on 22.07.2022
(From 23th July 2022 to 27th July 2022)
Issued jointly by Agro Climate Research Centre, TNAU and IMD



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 Coimbatore district

Past week Summary (17.07.2022 to 21.07.2022)					Date	Ensemble weather forecast valid until 08.30 hrs of 27.07.2022				
Day-1 17/07	Day-2 18/07	Day-3 19/07	Day-4 20/07	Day-5 21/07		Day-1 23/07	Day-2 24/07	Day-3 25/07	Day-4 26/07	Day-5 27/07
13.7	9.8	11.3	2.4	11.2	Rainfall	5	11	3	2	6
30	31	29	31	31	Max. Temp. (°C)	33	32	32	32	32
22	23	22	23	23	Mini. Temp. (°C)	23	22	22	22	22
7	7	7	7	7	Cloud cover (Octa)	8	8	8	8	8
87	88	91	91	90	RH morning (%)	90	90	90	90	90
87	91	74	80	69	RH evening (%)	60	60	60	60	60
20	12	19	14	15	Wind (kmph)	8	9	9	9	8
200	230	230	200	200	Wind Direction	260	280	280	280	280

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

According to district forecast issued by the India Meteorological Department for Coimbatore district, sky will be cloudy. Light to moderate rainfall is expected on next five days. Maximum temperature is expected to be around 32°C to 33°C. Minimum temperature is expected to be around 22°C to 23°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 60 per cent. Average wind speed is expected to be around 9 km per hour and the wind direction will be from South West direction.

Agro Advisory

Crop	Stage	Advisory
General		<p>Light to moderate rainfall is expected in western zone.</p> <p>Due to continuous rainfall, provide adequate drainage to all crops.</p> <p>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.</p>
Rice	Transplanting	<p>Kar rice at tillering stage may be applied with 30 kg Nitrogen and 10 kg K₂O/ha. Do not drain water after fertilizer application.</p> <p>Since the weather is favourable for green leaf hopper infestation in Kar rice, spray fenthion 100 EC @ 500 ml / ha.</p>
Maize	Vegetative	<p>Irrigated maize crop at 30 days old may be top dressed with urea 55kg and 12kg MOP/ acre after weeding.</p>
Groundnut	Vegetative	<p>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.</p>
Sugarcane		<p>De-trashing, removal of dry cane leaves and propping is advised to avoid borer infestation in early season planted cane of 150 days old.</p> <p>By utilizing the anticipated rainfall, top dressing may be done in late season planted cane with 90kg Nitrogen/ ha + 37kg K₂O/ ha.</p> <p>Nitrogen may be applied through neem cake blended.</p>
Tomato	Nursery	<p>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.</p> <p>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.</p>
Gourds	Sowing	<p>Best season for sowing gourds vegetable is by July 15th - 30th Hence sow the seeds utilizing the anticipated rainfall.</p> <p>Prevailing high cloudiness with high humidity enhance the green Jassids in ribbed gourd, watch for the incidence and spray 3% neem seed kernel extract.</p>

Banana		Since rainfall with wind speed of more than 7 km/hour is expected, propping may be done to banana crop to prevent lodging.
Grapes		Considering the high relative humidity, grapes may be infected with either powdery mildew or downy mildew. To control powdery mildew spray 0.3% wettable Sulphur. To control downy mildew, spray 1% Bordeaux mixture.
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.
Tea		In valpari region Blister blight disease is noticed in tea crop. Mix hexagonazole 200ml+copper oxy chloride 200 g/ha in 500 lit water and spray during rain free day.
Coconut		By utilizing rainfall, apply fertilizer for coconut @ 650 gm urea, 1kg SuPo ₄ , 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 K ₂ MnO ₄ before and after milking. Monsoon favours Enterotoxaemia 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.

Professor and Head
Principal Nodal Officer (GKMS)
Agro Climate Research Centre