



Gramin Krishi Mausam Sewa (GKMS)

Agromet Field Unit (AMFU)

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Virudhunagar District level AAB No. 041/2023-24

Day & Date: Tuesday & 23.05.2023

Observed weather during last week (Dated 16 th to 22 nd April 2023)							Weather Parameters	Weather forecast (Valid from 24 th to 08:30 hrs of 28 th April 2023)				
16/04	17/04	18/04	19/04	20/04	21/04	22/04	Date	Day 1 19/04	Day 2 20/04	Day 3 21/04	Day 4 22/04	Day 5 23/04
0.0	0.0	0.5	0.0	1.5	0.0	0.0	Rainfall (mm)	0	0	4	3	3
40	41	40	39	39	39	40	Max. Temp. (°C)	38	37	37	36	36
26	26	27	27	26	27	27	Min. Temp. (°C)	26	25	25	24	24
Partly cloudy	Generally cloudy	Generally cloudy	Partly cloudy	Partly cloudy	Partly cloudy	Generally cloudy	Cloud cover (Octa)	Partly cloudy	Generally cloudy	Generally cloudy	Cloudy sky	Cloudy sky
66	66	78	80	68	63	69	Relative humidity - Mor. (%)	70	70	70	70	70
48	57	49	54	43	53	72	Relative humidity - Eve. (%)	30	40	30	30	30
6	9	4	12	7	10	6	Wind speed (kmph)	8	8	10	10	12
S	SSE	SSE	SE	SSE	SSE	SSE	Wind direction (dd)	SW	SW	SW	SW	SW
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2023 to till dated								
2.0				258.9								

As per forecast received from RMC, Chennai gradual decrease in maximum temperature by 1-2°C in next five days.

Light rainfall is predicted for Day 3 (21.5.23) to Day 5 (23.5.23) .

sky condition will be partly cloudy to cloudy sky

Wind speed is expected to be 8-12 km per hour and the wind direction will be from South west direction.

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Since Light rainfall is predicted for Day 3 (21.5.23) to Day 5 (23.5.23), farmers are requested to schedule the irrigation based on the crop need.
Rainfall	Ploughing	In order to store the unexpected summer rainfall for moisture conservation, farmers are requested to go ploughing.
	Harvest	Horticultural crops viz., fruits and vegetables are requested to be harvested.
Cotton	Vegetative stage	<ul style="list-style-type: none"> ☐ Mulching with crop residues, inter cultivation and earthing up operations is advised for farmers to overcome the dry spell condition. ☐ Increases drought tolerance and reduces flower and square shedding farmers are advise to spray TNAU COTTON PLUS booster @ 2.5 kg / acre and add adequate quantity of wetting agent with Spray volume of 200 litres at Flowering and boll formation stage.
Coconut	All stages	<p>Present weather favor Rhinoceros beetle incidence. Symptom with central spindle appears cut or toppled, fully opened fronds showing characteristic diamond shaped cuttings and Holes with chewed fibre sticking out at the base of central spindle</p> <p>Management</p> <ul style="list-style-type: none"> • Collect and destroy the various bio-stages of the beetle from the manure pits (breeding ground of the pest) whenever manure is lifted from the pits. • Soak castor cake at 1 kg in 5 l of water in small mud pots and keep them in the

		<p>coconut gardens to attract and kill the adults.</p> <ul style="list-style-type: none"> • Examine the crowns of tree at every harvest and hook out and kill the adults. • For seedlings, apply 3 naphthalene balls/palm weighing 3.5 g each at the base of inter space in leaf sheath in the 3 inner most leaves of the crown once in 45 days. • Set up light traps following the first rains in summer and monsoon to attract and kill the adult beetles. • Apply mixture of either neem seed powder + sand (1:2) @150 g per palm or neem seed kernel powder + sand (1:2) @150 g per palm in the base of the 3 inner most leaves in the crown • Set up rhinolure pheromone trap @ 1/ 2 ha to trap and kill the beetle.
		<p>Increase in temperature affect the nuts, farmers are advised to root feeding of TNAU coconut tonic @200ml/palm and also to raise sunnhemp @ 50 g/palm in the basin and incorporate before flowering as soil conservation measures.</p>
	Livestock	<p>Cow</p> <p>Summer Management of Dairy cattle: 1. Grazing on peak hours should be avoided. Instead of that, the animals can be allowed for grazing during 6-10Am in the morning and 4-6 Pm in the evening. 2 Ensure clean cool drinking water all the time. Vitamins and electrolytes can be mixed with water. 3. Housing with proper ventilation should be ensured. In summer, wet gunny bags can be spreaded over the roof of the shed. Inside the shed, water sprinklers with fans may be provided. 4. Quality green fodder should be provided to prevent the production loss. If green fodders are not available in sufficient quantity, use of silage and azolla can be practiced. 5. Chopped dry fodder can be provided during evening hours. 6. Animals should be washed 2 times in a day viz. morning and evening. 7. 50g of sodium chloride and 30g of sodium bicarbonate may be mixed with water. 8. 30g of mineral mixture should be supplemented during summer.</p>
	<p>Poultry</p> <p>Summer Management to Poultry: 1. Overcrowding of birds should be avoided. 2. Feeding should be done in cool hours of the day in the form of wet mash 3. Supplement vitamin C and B complex along with water. 4. Water tanks should be covered with low cost roofing materials. 5. Increase the frequency of watering. 6. Sprinkling water on the roof will help to bring down the shed temperature. 7. Wet gunny curtaines can be arranged on the sides of shed will reduce the heat inside the shed.</p>	

SMS: Rain: 21-23:4,3&3mm. Irrigation may be given. Advise to spray. Harvest agricultural, horticultural produce and kept safety to avoid quality of the produce.

Tamil Nadu			
Yesterday's north-south trough now runs from Vidarbha to north Kerala across Marathawada and Interior Karnataka at 0.9 km above mean sea level.			
Next five days	Weather warning	Day 1 (24.05.2023) to Day 5 (28.05.2023): Light to moderate rain with thunderstorm & lightning is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area.	

**Professor and Head
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