



## Gramin Krishi Mausam Sewa (GKMS)

### Agromet Field Unit (AMFU)

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Tirunelveli District level AAB No. 041/2023-24

Day & Date: Tuesday & 23.05.2023

Observed weather during last week (Dated 16 <sup>th</sup> to 22 <sup>nd</sup> May 2023)							Weather Parameters	Weather forecast (Valid from 24 <sup>th</sup> to 08:30 hrs of 28 <sup>th</sup> May 2023)				
16/05	17/05	18/05	19/05	20/05	21/05	22/05	Date	Day 1 24/05	Day 2 25/05	Day 3 26/05	Day 4 27/05	Day 5 28/05
0.0	0.0	0.0	0.0	10.3	0.6	0.2	Rainfall (mm)	8	4	0	0	3
19	39	39	39	38	38	39	Max. Temp. (°C)	37	37	38	38	37
27	27	27	27	27	27	27	Min. Temp. (°C)	25	26	27	27	27
Partly cloudy	Partly cloudy	Partly cloudy	Mainly clear	Partly cloudy	Partly cloudy	Partly cloudy	Cloud cover (Octa)	Partly cloudy	Partly cloudy	Partly cloudy	Generally cloudy	Generally cloudy
67	67	67	71	68	66	71	Relative humidity - Mor. (%)	80	80	70	70	80
43	42	42	44	45	44	41	Relative humidity - Eve. (%)	50	50	40	40	40
0	0	0	2	0	0	0	Wind speed (kmph)	8	10	12	10	12
N	N	N	N	N	N	N	Wind direction (dd)	SW	WSW	W	W	W
Rainfall (mm) in last week				Rainfall (mm) from 01/01/2023 to till dated								
11.1				200.8								

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

Light rainfall is predicted for Day 1 (24.05), day 2(25.5) and day 5 (28.5).

sky condition will be partly cloudy to generally cloudy sky

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

Crop	Stage	Agromet Advisory
Irrigated crops	Water management	Since Light rainfall is predicted for Day 1 (24.05), day 2(25.5) and day 5 (28.5). hence farmers are requested to plan the irrigation on needy basis.
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.
Rice, Pigeon pea, Soybean, Mustard, Sesame, Cowpea, Paddy, and other pulses	Harvest	As rainfall is predicted farmers are requested to harvest immediately by utilizing the harvester and to safeguard the produce safely.
Paddy	Nursery and Vegetative	if dry spell continues farmers are advised for nutrient spray.
Coconut	All stages	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 Management <ul style="list-style-type: none"> <li>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.</li> <li>Soak castor cake at 1 kg in 5 l of water in small mud pots and keep them in the coconut gardens to attract and kill the adults.</li> <li>Examine the crowns of tree at every harvest and hook out and kill the adults.</li> <li>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.</li> <li>Set up light traps following the first rains in summer and monsoon to attract and</li> </ul>

		<p>kill the adult beetles.</p> <ul style="list-style-type: none"> <li>• 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</li> <li>• Set up rhinolure pheromone trap @ 1/ 2 ha to trap and kill the beetle.</li> </ul>
		<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>
	<b>Livestock</b>	<p><b>Cow</b></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>
	<b>Sheep and Goats</b>	<p>Summer Management of Sheep and Goats: 1. Animals should be allowed for grazing only during cool hours of the day (Morning 6-10am and Evening 4-6pm) to avoid direct exposure to sun light. 2. Animals should be fed with more green fodders. In shortage of green fodders, as an alternate source, tree fodders like Subabul, Neem, moringa- leaves and mulberry leaves can be used. Goats relish tree fodders. 3. Feeding azolla to sheep and goats will not only reduce the feed cost but also meet out the green fodder requirement. 4. Animal's shed should be well ventilated. Overcrowding should be avoided. 5. Sufficient quantity of cool, fresh drinking water should be available throughout the day. 6. Feeding of animals should be done during cool hours. 7. Dried paddy straw can be spread over the roof and periodical sprinkling of water will reduce the heat inside the animal shed.</p>
	<b>Livestock Disease Forecast of June month</b>	<p>Bluetongue Livestock Disease Forecast - Proper Vaccination of animals with regular intervals. Animals should not be allowed for grazing. Ulcers in the mouth can be treated with saline water or dissolve 1g of Potassium permanganate in 1 liter of water and wash the mouth 2 to 3 times a day with this solution.</p> <p>Peste des petits ruminants- Preventive Measures: Vaccination of susceptible animals of above 3 months old age. Restriction on animal movement, strict biosecurity measures and proper disposal of carcass.</p>

**SMS: Rain: 24,25&28-8,4&3mm. Provide Irrigation and spraying based local weather condition. Summer ploughing may be taken up.**

<b>Tamil Nadu</b>			
<b>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.</b>			
<b>Next five days</b>	<b>Weather warning</b>	<b>Day 1 (24.05.2023) to Day 5 (28.05.2023): Light to moderate rain with thunderstorm &amp; lightning is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area.</b>	

**Professor and Head  
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