

**UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT**



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MYSURU - 570003**



Date: 23-04-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Weather forecast for the next five days (From 24-03-2024 to 28-04-2024)

Parameter	24.04.2024	25.04.2024	26.04.2024	27.04.2024	28.04.2024
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	37.4	37.6	37.8	38	37.8
Min.Temp. (°C)	21.2	21	20.8	21	21.2
Sky condition (Octas)	4	6	4	3	3
Relative humidity (%) 0830 hours	66	71	74	75	73
Relative humidity (%) 1730 hours	17	16	19	18	19
Wind Speed (kmph)	8	9	10	9	8
Wind Direction	124	124	146	124	124

Forecast Summary

As forecast received from IMD, Cloudy sky with no rainfall may be expected from 24.04.2024 to 28.04.2024 in Chamarajanagara district. The day temperature is expected to be 37.4-38°C & night temperature is expected 20.8-21.2°C. The relative humidity in the morning hours is expected to be 66-75% & afternoon relative humidity is expected to be in the range of 16-19%. Wind speed expected to be 8-10 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
<ul style="list-style-type: none"> Pest and Disease Monitoring: Regularly scout fields for signs of pests and diseases, which may proliferate in warmer conditions. Implement integrated pest management (IPM) strategies, such as biological control, crop rotation, and targeted pesticide use, to minimize pest and disease pressure. Soil Health: Prioritize soil conservation and management practices to maintain soil health and resilience. Use cover crops, crop rotation and organic amendments to improve soil structure, moisture retention and nutrient cycling. Water Management: Ensure adequate water supply to crops. Implement efficient irrigation systems such as drip irrigation to minimize water loss through evaporation. Crop Selection: Opt for drought-resistant or heat-tolerant crop varieties that can withstand high temperatures. Timing of Farming Activities: Schedule farming activities such as planting, watering and harvesting during cooler parts of the day, typically early morning or late evening, to minimize 			

heat stress on plants and reduce water evaporation.

- **Mulching:** Apply mulch to retain soil moisture and regulate soil temperature. Mulching also helps to suppress weed growth, reducing competition for water.
- **Monitoring:** Regularly monitor soil moisture levels, crop health and animal behavior to detect signs of heat stress or dehydration early.
- **Livestock Management:** Ensure adequate ventilation and access to clean water and shade for livestock. Avoid moving animals during the hottest parts of the day.
- **Poultry:** Ensure that poultry houses are well-ventilated and provide adequate shade to reduce heat stress on birds. Install fans or misting systems to help cool the environment. Ensure a constant supply of cool, fresh water for the birds to drink. Consider adding electrolytes or vitamins to the water to help birds cope with heat stress
- **Vermicompost:** As dry weather is predicted for the next five days, care should be taken to maintain the optimum moisture level of 60% in vermicompost pits.

Banana	Pseudostem borer	<ul style="list-style-type: none"> ● The grubs bore the pseudostem, affected plants with number of holes on pseudostem, breaking of infested plants at damaged portion due to wind. ● Management: Add 3.0 ml. Chloropyriphos 20 EC.or 3.0 ml. Dimethoate 30 EC. with 5.0 ml. water. Inject the mixture to the pseudostem about a feet height from ground level.
Cowpea/Black gram	Aphids	<ul style="list-style-type: none"> ● Several individuals suck the sap from tender shoots, flower buds, flowers, leaves and tender pods. Yellowing of leaves, shrivelled grains and sooty mold on leaves. To manage this pest spray Dimethoate – 30 EC. @ 1.7 ml./liter water spray. 200 lit. Spray mixture/acre.
Coconut	Black headed caterpillar	<p>Remove and burn the severely affected fronds.</p> <p>On community basis feed the Manocrotophos 36 SL. to the palm through root.</p> <p>Method: A meter away from trunk, dig out and select brown coloured pencil thickness size root. Cut the root in a slanting position. To the polythene bag (size of 15 cm. length 4 cm. breadth) add 7.5 to 10 ml. Monocrotophos 36 SL. with equal quantity of water, introduce and immerse cut end of the root in insecticide mixture and tie the bag with thread.</p> <p>The palm absorb the chemical within a period of 24 hours, if not after 48 hours select another root to feed the chemical. Not to harvest tender coconuts/matured coconuts for 30 days from date of chemical treatment.</p>
Cattle management during summer months		<ul style="list-style-type: none"> ● Maximum temperature expected to rise in coming days so tie the livestock animals in shade / cool place. ● Put 4-6 inches of grass cover on the cattle shed, water 2-3 times in the afternoon and also water the floor and walls of the cattle shed. This keeps the cattle shed fairly cool. ● Arrangements should be made so that air can flow easily in the cattle shed. ● Clean water should be given to the cattles. ● Don't allowed the cattle to graze during afternoon period when the temperature is high, cattles should be allowed to graze in the morning or evening time.

Block level weather forecast (From 24-04-2024 to 28-04-2024)**Chamarajanagara**

Parameter	24.04.2024	25.04.2024	26.04.2024	27.04.2024	28.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.9	31.6	31.9	31.8	32.7
Min.Temp (°C)	18	17.3	17.9	17.2	17.8
Sky condition (Octas)	1	3	8	2	3
Relative humidity (%) 0830 hours	63	66	61	61	70
Relative humidity (%) 1730 hours	19	17	18	16	18
Wind Speed (kmph)	9	9	11	9	8
Wind Direction	191	124	135	124	117

Gundlupete

Parameter	24.04.2024	25.04.2024	26.04.2024	27.04.2024	28.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.4	31.6	31.9	31.8	32.6
Min.Temp (°C)	18	17.5	17.6	17.2	17.5
Sky condition (Octas)	2	3	7	2	3
Relative humidity (%) 0830 hours	64	69	66	59	70
Relative humidity (%) 1730 hours	19	14	17	15	17
Wind Speed (kmph)	9	10	11	10	9
Wind Direction	203	113	135	207	108

Kollegala

Parameter	24.04.2024	25.04.2024	26.04.2024	27.04.2024	28.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	34.6	34.3	34.5	34.4	35.1
Min.Temp (°C)	19.8	19.2	19.9	18.8	19.6
Sky condition (Octas)	2	3	8	2	3
Relative humidity (%) 0830 hours	60	72	64	72	79
Relative humidity (%) 1730 hours	17	16	17	15	17
Wind Speed (kmph)	10	9	10	8	9
Wind Direction	203	117	116	109	288

Yelandur

Parameter	24.04.2024	25.04.2024	26.04.2024	27.04.2024	28.04.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.9	32.6	32.9	32.8	33.6
Min.Temp (°C)	18.7	18	18.6	17.7	18.4
Sky condition (Octas)	2	3	8	2	3
Relative humidity (%) 0830 hours	62	71	64	69	76
Relative humidity (%) 1730 hours	18	16	17	15	18
Wind Speed (kmph)	9	9	10	8	9
Wind Direction	203	248	124	113	288

- Download “DAMINI” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download”MAUSAM” APP for location specific forecast & warning &“MEGHDOOT” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

For any information farmers can contact **Dr.C.Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Research Associate over phone No. 0821-259126/ 9535345814.

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