

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



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MYSURU - 570003**



Date: 12-04-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Weather forecast for the next five days (From 13-03-2024 to 17-04-2024)

Parameter	13.04.2024	14.04.2024	15.04.2024	16.04.2024	17.04.2024
Rainfall (mm)	1	1	0	0	0
Max. Temp. (°C)	39	38.4	39.3	39.3	39
Min.Temp. (°C)	17.3	17.4	17.7	17.1	17.5
Sky condition (Octas)	5	4	4	4	3
Relative humidity (%) 0830 hours	81	78	78	80	74
Relative humidity (%) 1730 hours	25	25	22	23	20
Wind Speed (kmph)	11	9	10	12	10
Wind Direction	148	153	135	148	124

Forecast Summary

As forecast received from IMD, Clear sky with very light rainfall may be expected from 13.04.2024 to 17.04.2024 in Chamarajanagara district. The day temperature is expected to be 38.4-39.3°C & night temperature is expected 17.1-17.7°C. The relative humidity in the morning hours is expected to be 74-81% & afternoon relative humidity is expected to be in the range of 20-25%. Wind speed expected to be 9-12 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
<ul style="list-style-type: none"> 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 catterpillar	<p>Remove and burn the severely affected fronds. On community basis feed the Manocrotophos 36 SL. to the palm through root. 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. 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 13-04-2024 to 17-04-2024)**Chamarajanagara**

Parameter	13.04.2024	14.04.2024	15.04.2024	16.04.2024	17.04.2024
Rainfall (mm)	0.3	0.2	0	0	0
Max. temp (°C)	29.2	29.9	30.3	31.3	31.3
Min.Temp (°C)	17.6	17.6	17.6	17.9	17.9
Sky condition (Octas)	4	3	4	4	6
Relative humidity (%) 0830 hours	83	77	71	83	71
Relative humidity (%) 1730 hours	35	25	27	16	21
Wind Speed (kmph)	13	10	12	13	10
Wind Direction	148	148	148	158	124

Gundlupete

Parameter	13.04.2024	14.04.2024	15.04.2024	16.04.2024	17.04.2024
Rainfall (mm)	0.2	0.2	0	0	0
Max. temp (°C)	29.8	30.1	30.3	30.9	30.9
Min.Temp (°C)	17.9	18.1	18.2	17.9	18.3
Sky condition (Octas)	4	3	4	4	6
Relative humidity (%) 0830 hours	82	72	72	83	77
Relative humidity (%) 1730 hours	32	23	29	17	22
Wind Speed (kmph)	11	8	12	13	12
Wind Direction	148	120	155	165	248

Kollegala

Parameter	13.04.2024	14.04.2024	15.04.2024	16.04.2024	17.04.2024
Rainfall (mm)	0.2	0.4	0	0	0
Max. temp (°C)	32.5	32.7	33.8	34.4	34.8
Min.Temp (°C)	19.8	19.6	19.3	19.7	19.7
Sky condition (Octas)	4	3	4	5	6
Relative humidity (%) 0830 hours	80	76	65	75	73
Relative humidity (%) 1730 hours	30	25	23	15	18
Wind Speed (kmph)	11	9	12	12	11
Wind Direction	148	152	113	150	248

Yelandur

Parameter	13.04.2024	14.04.2024	15.04.2024	16.04.2024	17.04.2024
Rainfall (mm)	0.2	0.2	0	0	0
Max. temp (°C)	30.5	31	31.8	32.6	32.7
Min.Temp (°C)	18.4	18.3	18.3	18.6	18.5
Sky condition (Octas)	4	3	4	5	6
Relative humidity (%) 0830 hours	81	76	68	79	74
Relative humidity (%) 1730 hours	33	25	24	15	19
Wind Speed (kmph)	12	9	12	12	10
Wind Direction	148	152	150	165	248

- 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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