

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



**GRAMIN KRISHI MAUSAM SEWA
AMFU, OFRS, NAGANAHALLI,
MYSURU - 570003**



Date: 30-04-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Weather forecast for the next five days (From 01-05-2024 to 05-05-2024)

Parameter	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	1	0	0	0	0
Max. Temp. (°C)	36.8	37	37.2	37.2	37
Min.Temp. (°C)	20.2	20.3	20.2	20.2	20
Sky condition (Octas)	5	5	3	2	3
Relative humidity (%) 0830 hours	93	86	88	88	92
Relative humidity (%) 1730 hours	37	37	35	39	32
Wind Speed (kmph)	8	6	7	7	7
Wind Direction	248	252	238	238	245

Forecast Summary

Heat wave conditions are likely to persist in isolated places over the district for the next five days.

As forecast received from IMD, Cloudy sky with no rainfall may be expected from 01.05.2024 to 05.05.2024 in Chamarajanagara district. The day temperature is expected to be 36.8-37.2°C & night temperature is expected 20-20.3°C. The relative humidity in the morning hours is expected to be 86-93% & afternoon relative humidity is expected to be in the range of 32-39%. Wind speed expected to be 6-8 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.

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.
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 01-05-2024 to 05-05-2024)

Chamarajanagara					
Parameter	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.9	32.6	31.7	33.1	33.7
Min.Temp (°C)	19	20	19.8	18.3	18.5
Sky condition (Octas)	5	7	4	3	2
Relative humidity (%) 0830 hours	84	79	63	85	78
Relative humidity (%) 1730 hours	20	23	29	22	27
Wind Speed (kmph)	11	12	8	10	9
Wind Direction	259	285	248	285	270

Gundlupete

Parameter	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	33	32.7	31.7	33	33.1
Min.Temp (°C)	19.3	19.7	19.6	18.6	18.8
Sky condition (Octas)	6	6	4	2	2
Relative humidity (%) 0830 hours	86	84	71	87	79
Relative humidity (%) 1730 hours	19	22	28	21	25
Wind Speed (kmph)	13	12	9	10	9
Wind Direction	248	253	240	245	248

Kollegala

Parameter	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	35.8	35.1	35.5	35.8	36.5
Min.Temp (°C)	20.8	22.2	22.1	20.5	20.7
Sky condition (Octas)	4	7	4	3	1
Relative humidity (%) 0830 hours	84	80	64	82	77
Relative humidity (%) 1730 hours	19	22	24	21	25
Wind Speed (kmph)	10	12	8	10	9
Wind Direction	248	270	255	255	255

Yelandur

Parameter	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	33.9	33.5	33.2	34.1	34.8
Min.Temp (°C)	19.6	20.8	20.6	19	19.1
Sky condition (Octas)	5	7	4	3	2
Relative humidity (%) 0830 hours	84	80	64	85	78
Relative humidity (%) 1730 hours	19	22	27	22	26
Wind Speed (kmph)	10	13	8	10	10
Wind Direction	251	285	255	270	285

- 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 Assoicateover phone No. 0821-259126/ 9535345814.

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