

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



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



Date: 03-05-2024

**AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Weather forecast for the next five days (From 04-05-2024 to 08-05-2024)**

Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0	0	0	1	1
Max. Temp. (°C)	39.6	39.6	39.4	39.4	39
Min.Temp. (°C)	24.8	25	25.2	25.2	25.6
Sky condition (Octas)	7	5	2	5	7
Relative humidity (%) 0830 hours	77	70	77	77	81
Relative humidity (%) 1730 hours	27	24	22	25	34
Wind Speed (kmph)	9	8	9	10	11
Wind Direction	248	240	252	248	243

**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 very light rainfall may be expected from 04.05.2024 to 08.05.2024 in Chamarajanagara district. The day temperature is expected to be 39-39.6°C & night temperature is expected 24-25.6°C. The relative humidity in the morning hours is expected to be 22-34% & afternoon relative humidity is expected to be in the range of 32-39%. Wind speed expected to be 9-11 km/ hr.

**Recommendations to the farmers:**

Crop	Pest/Disease	Damage symptoms	Control measures
<ul style="list-style-type: none"> <li>• <b>Protective Measures:</b> When working in the field during hot weather, it's important to protect yourself from the sun. Use a hat or umbrella, and keep a damp cloth handy to cool your head, neck, face, and limbs.</li> <li>• <b>Sun Safety:</b> Avoid direct sunlight between 12:00 noon and 3:00 PM, as this is when the sun is strongest and temperatures are highest.</li> <li>• <b>Smart Irrigation:</b> Water your crops in the early morning or late evening to reduce water loss through evaporation.</li> <li>• <b>Mulching:</b> Use crop residue mulch to retain soil moisture and prevent it from drying out quickly.</li> <li>• <b>Repellents:</b> Consider using bio or chemical repellents to minimize evapotranspiration from your crops.</li> <li>• <b>Harvesting Practices:</b> Schedule harvesting and threshing activities for the cooler parts of the day,</li> </ul>			

such as the morning or evening.

- **Ploughing Techniques:** Conduct summer ploughing in the early morning or late evening to expose the soil and manage pests, diseases, and weed seeds effectively.
- **Livestock Care:** During hot weather, avoid grazing livestock during the hottest part of the day. Provide shade and ample water for your animals.
- **Cooling Techniques for Animals:** To help your animals beat the heat, consider leaving them in ponds during the hottest hours or sprinkling them with cold water several times a day. Thatching the roofs of animal shelters with paddy straw or painting them white can also create a cooler environment for them.
- **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.**
- **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"> <li>• 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.</li> </ul>
Cattle management during summer months	<ul style="list-style-type: none"> <li>• Maximum temperature expected to rise in coming days so tie the livestock animals in shade / cool place.</li> <li>• 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.</li> <li>• Arrangements should be made so that air can flow easily in the cattle shed.</li> <li>• Clean water should be given to the cattles.</li> <li>• 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.</li> </ul>	

### Block level weather forecast (From 04-05-2024 to 08-05-2024)

#### Chamarajanagara

Parameter	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0	0	0	0.2	0.2
Max. temp (°C)	32.7	32.5	33	33.9	31.5
Min.Temp (°C)	19.3	18.4	18.3	20.3	19.6
Sky condition (Octas)	8	7	3	5	7
Relative humidity (%) 0830 hours	80	77	79	78	76

<b>Relative humidity (%) 1730 hours</b>	27	25	17	21	32
<b>Wind Speed (kmph)</b>	10	11	10	10	10
<b>Wind Direction</b>	279	259	270	285	255

### Gundlupete

<b>Parameter</b>	<b>04.05.2024</b>	<b>05.05.2024</b>	<b>06.05.2024</b>	<b>07.05.2024</b>	<b>08.05.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0.2
<b>Max. temp (°C)</b>	32.5	31.5	31.7	33.5	31.2
<b>Min.Temp (°C)</b>	19.4	18.4	18.5	20.2	20.2
<b>Sky condition (Octas)</b>	7	7	2	4	7
<b>Relative humidity (%) 0830 hours</b>	83	82	80	80	76
<b>Relative humidity (%) 1730 hours</b>	30	27	20	21	35
<b>Wind Speed (kmph)</b>	10	12	11	11	10
<b>Wind Direction</b>	252	251	248	250	289

### Kollegala

<b>Parameter</b>	<b>04.05.2024</b>	<b>05.05.2024</b>	<b>06.05.2024</b>	<b>07.05.2024</b>	<b>08.05.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0	0.3
<b>Max. temp (°C)</b>	35.5	37	35.6	36.4	34.8
<b>Min.Temp (°C)</b>	21.8	20.9	20.6	22.3	21.7
<b>Sky condition (Octas)</b>	7	6	3	4	6
<b>Relative humidity (%) 0830 hours</b>	77	73	79	79	78
<b>Relative humidity (%) 1730 hours</b>	26	20	16	21	27
<b>Wind Speed (kmph)</b>	11	11	11	11	8
<b>Wind Direction</b>	250	252	257	285	251

### Yelandur

<b>Parameter</b>	<b>04.05.2024</b>	<b>05.05.2024</b>	<b>06.05.2024</b>	<b>07.05.2024</b>	<b>08.05.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0.1	0.2
<b>Max. temp (°C)</b>	33.8	34.3	34.1	34.8	32.8
<b>Min.Temp (°C)</b>	20.1	19.2	19	20.8	20.3
<b>Sky condition (Octas)</b>	7	6	3	5	6
<b>Relative humidity (%) 0830 hours</b>	79	75	80	80	76
<b>Relative humidity (%) 1730 hours</b>	27	22	16	21	29
<b>Wind Speed (kmph)</b>	11	11	11	11	9
<b>Wind Direction</b>	261	270	261	285	225

- 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](http://mausam.imd.gov.in)

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

**AMFU of IMD,  
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