

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



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MYSURU - 570003**



Date: 25-04-2024

**AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Weather forecast for the next five days (From 26-03-2024 to 30-04-2024)**

Parameter	26.04.2024	27.04.2024	28.04.2024	29.04.2024	30.04.2024
Rainfall (mm)	1	0	0	0	1
Max. Temp. (°C)	36.6	37	37.2	36.8	36.8
Min. Temp. (°C)	21	21	20.8	20.8	21
Sky condition (Octas)	8	5	6	4	3
Relative humidity (%) 0830 hours	92	88	94	94	92
Relative humidity (%) 1730 hours	25	23	22	25	24
Wind Speed (kmph)	6	6	6	6	6
Wind Direction	202	171	180	202	169

**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 26.04.2024 to 30.04.2024 in Kodagu district. The day temperature is expected to be 36.6-37.2°C & night temperature is expected 20.8-21°C. The relative humidity in the morning hours is expected to be 88-94% & afternoon relative humidity is expected to be in the range of 22-25%. Wind speed expected to be 6 km/ hr.

**Recommendations to the farmers:**

Crop	Pest/Disease	Damage symptoms	Control measures
			<ul style="list-style-type: none"> <li><b>Pest and Disease Monitoring:</b> 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.</li> <li><b>Soil Health:</b> 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.</li> </ul>

- **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.

<b>COFFEE</b>	Harvested coffee has to be sun dried to its standard moisture content, and stored in a well ventilated dry place. • After harvesting it is advised to collect (gleaning) coffee berries completely from the plant and fallen berries from the ground to avoid berry borer incidence.
<b>BLACK PEPPER</b>	Mulch the basins of pepper vine with dry leaves to conserve soil moisture and to avoid general yellowing and provide irrigation of 50 litres of water every week per vine.
<b>Cattle management during summer months</b>	<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 26-04-2024 to 30-04-2024)

<b>Madikeri</b>					
<b>Parameter</b>	<b>26.04.2024</b>	<b>27.04.2024</b>	<b>28.04.2024</b>	<b>29.04.2024</b>	<b>30.04.2024</b>
<b>Rainfall (mm)</b>	0.2	0	0	0	0.1
<b>Max. temp (°C)</b>	34.1	36.4	35.9	36.2	36.8

<b>Min.Temp (°C)</b>	22.1	22	22.2	22.2	22.8
<b>Sky condition (Octas)</b>	7	7	6	6	5
<b>Relative humidity (%) 0830 hours</b>	96	96	98	98	98
<b>Relative humidity (%) 1730 hours</b>	19	27	19	26	28
<b>Wind Speed (kmph)</b>	5	3	5	4	4
<b>Wind Direction</b>	285	248	288	244	243

### Somvarpet

<b>Parameter</b>	<b>26.04.2024</b>	<b>27.04.2024</b>	<b>28.04.2024</b>	<b>29.04.2024</b>	<b>30.04.2024</b>
<b>Rainfall (mm)</b>	0.3	0	0	0	0.2
<b>Max. temp (°C)</b>	32.7	34.2	33.9	35.2	35.6
<b>Min.Temp (°C)</b>	20	20.3	19.6	19.9	20.2
<b>Sky condition (Octas)</b>	6	6	5	5	5
<b>Relative humidity (%) 0830 hours</b>	91	91	94	94	97
<b>Relative humidity (%) 1730 hours</b>	20	19	20	17	20
<b>Wind Speed (kmph)</b>	7	5	7	6	7
<b>Wind Direction</b>	289	281	113	255	270

### Virajpet

<b>Parameter</b>	<b>26.04.2024</b>	<b>27.04.2024</b>	<b>28.04.2024</b>	<b>29.04.2024</b>	<b>30.04.2024</b>
<b>Rainfall (mm)</b>	0.2	0	0	0	0.2
<b>Max. temp (°C)</b>	34.9	37.1	36.2	35.7	36.5
<b>Min.Temp (°C)</b>	23.1	23.1	22.9	22.9	23.1
<b>Sky condition (Octas)</b>	5	6	4	5	4
<b>Relative humidity (%) 0830 hours</b>	97	93	98	98	98
<b>Relative humidity (%) 1730 hours</b>	17	24	17	25	24
<b>Wind Speed (kmph)</b>	5	4	5	4	4
<b>Wind Direction</b>	259	248	113	214	244

- 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 Assocateover phone No. 0821-259126/ 9535345814.

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