

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



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MYSURU - 570003**



Date: 03-05-2024

AGRO-ADVISORY BULLETIN FOR KODAGU 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) | 3 | 0 | 0 | 3 | 3 |
| Max. Temp. (°C) | 34.4 | 34.6 | 34.8 | 34.3 | 34 |
| Min. Temp. (°C) | 24 | 23.8 | 24 | 23.8 | 23.8 |
| Sky condition (Octas) | 7 | 4 | 1 | 3 | 5 |
| Relative humidity (%) 0830 hours | 79 | 90 | 94 | 92 | 93 |
| Relative humidity (%) 1730 hours | 38 | 23 | 34 | 39 | 43 |
| Wind Speed (kmph) | 8 | 7 | 8 | 9 | 9 |
| Wind Direction | 243 | 255 | 243 | 249 | 285 |

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 Kodagu district. The day temperature is expected to be 34-34.8°C & night temperature is expected 23.8-24°C. The relative humidity in the morning hours is expected to be 79-94% & afternoon relative humidity is expected to be in the range of 23-43%. Wind speed expected to be 7-9 km/ hr.

Recommendations to the farmers:

| Crop | Pest/Disease | Damage symptoms | Control measures |
|--|--------------|-----------------|------------------|
| <ul style="list-style-type: none"> Protective Measures: 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. Sun Safety: Avoid direct sunlight between 12:00 noon and 3:00 PM, as this is when the sun is strongest and temperatures are highest. Smart Irrigation: Water your crops in the early morning or late evening to reduce water loss through evaporation. | | | |

- **Mulching:** Use crop residue mulch to retain soil moisture and prevent it from drying out quickly.
- **Repellents:** Consider using bio or chemical repellents to minimize evapotranspiration from your crops.
- **Harvesting Practices:** Schedule harvesting and threshing activities for the cooler parts of the day, 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.

| | |
|--|--|
| COFFEE | 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. |
| BLACK PEPPER | 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. |
| 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 04-05-2024 to 08-05-2024)**Madikeri**

| Parameter | 04.05.2024 | 05.05.2024 | 06.05.2024 | 07.05.2024 | 08.05.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 0.2 | 0 | 0 | 0.8 | 0.8 |
| Max. temp (°C) | 31.4 | 33.7 | 31 | 33 | 31 |
| Min.Temp (°C) | 21.7 | 21.2 | 22.2 | 23.6 | 22.7 |
| Sky condition (Octas) | 93 | 98 | 98 | 97 | 98 |
| Relative humidity (%) 0830 hours | 56 | 29 | 36 | 43 | 54 |
| Relative humidity (%) 1730 hours | 5 | 6 | 6 | 7 | 6 |
| Wind Speed (kmph) | 251 | 257 | 291 | 252 | 270 |
| Wind Direction | 7 | 5 | 3 | 4 | 7 |

Somvarpet

| Parameter | 04.05.2024 | 05.05.2024 | 06.05.2024 | 07.05.2024 | 08.05.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 2.4 |
| Max. temp (°C) | 32.2 | 33.9 | 31.4 | 34.1 | 31.8 |
| Min.Temp (°C) | 20.6 | 19 | 20.1 | 21.3 | 20.6 |
| Sky condition (Octas) | 81 | 95 | 96 | 94 | 95 |
| Relative humidity (%) 0830 hours | 38 | 21 | 28 | 36 | 45 |
| Relative humidity (%) 1730 hours | 10 | 11 | 10 | 11 | 10 |
| Wind Speed (kmph) | 252 | 252 | 270 | 252 | 257 |
| Wind Direction | 7 | 4 | 2 | 3 | 6 |

Virajpet

| Parameter | 04.05.2024 | 05.05.2024 | 06.05.2024 | 07.05.2024 | 08.05.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 2 | 0 | 0 | 3 | 2 |
| Max. temp (°C) | 31.9 | 33.7 | 30.9 | 32.8 | 31.4 |
| Min.Temp (°C) | 23.2 | 22.2 | 23.5 | 24.9 | 24.3 |
| Sky condition (Octas) | 94 | 98 | 97 | 95 | 98 |
| Relative humidity (%) 0830 hours | 50 | 30 | 37 | 41 | 51 |
| Relative humidity (%) 1730 hours | 5 | 6 | 6 | 7 | 6 |
| Wind Speed (kmph) | 253 | 249 | 253 | 249 | 252 |
| Wind Direction | 8 | 5 | 2 | 3 | 7 |

- 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 Assoicate over phone No. 0821-259126/ 9535345814.

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