

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



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



Date: 16-07-2024

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	12.07.2024	13.07.2024	14.07.2024	15.07.2024	16.07.2024
Rainfall (mm)	0	41.5	31.5	36.5	46.5
Max. Temp. (°C)	27.4	27	27.3	25.4	23.9
Min. Temp. (°C)	21	20.3	20.5	20.2	20.4
Sky condition (Octas)	-	-	-	-	-
Relative humidity (%) 0830 hours	96	98	97	100	100
Relative humidity (%) 1730 hours	-	98	98	100	100
Wind Speed (km/h)	-	-	-	-	-
Wind Direction	-	-	-	-	-

Weather forecast for the next five days (From 17-07-2024 to 21-07-2024)

Parameter	17.07.2024	18.07.2024	19.07.2024	20.07.2024	21.07.2024
Rainfall (mm)	85	65	28	24	19
Max. Temp. (°C)	27.2	26.5	26.5	25.5	26.9
Min. Temp. (°C)	18.7	19	18.6	18.4	19
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	94	96	96	95	95
Relative humidity (%) 1730 hours	88	91	92	89	84
Wind Speed (kmph)	4	4	4	4	4
Wind Direction	248	248	248	248	248

Forecast Summary

As forecast received from IMD, cloudy sky with moderate to heavy rainfall may be expected from 17.07.2024 to 21.07.2024 in Kodagu district. The day temperature is expected to be 25.5-27.2°C & night temperature is expected 18.4-19°C. The relative humidity in the morning hours is expected to be 94-96% & afternoon relative humidity is expected to be in the range of 84-92%. Wind speed expected to be 4 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures
------	--------------	-----------------	------------------

General Advisory:

Safety: Avoid fieldwork during heavy rain to prevent accidents. Ensure workers have proper rain gear.

Equipment Maintenance: Keep agricultural equipment covered and perform regular maintenance to prevent damage from moisture.

Crop Management:

1. Coffee Plantations:

- **Water Management:**
 - **High Rainfall (85mm on 17th July):** Ensure proper drainage to prevent waterlogging around the root zone.
 - **Moderate to Low Rainfall (65mm to 19mm on subsequent days):** Monitor soil moisture and adjust irrigation accordingly. Avoid over-irrigation.
- **Fungal Disease Control:**
 - **High Humidity (94-96% in the mornings):** Ideal conditions for fungal diseases like coffee rust. Regularly inspect plants and apply preventive fungicides. Ensure proper air circulation within the plantation by pruning excess foliage.
 - **Evening Humidity (88-92%):** Maintain cleanliness in the plantation to reduce the risk of fungal infections. Remove any infected plant parts and dispose of them properly.
- **Nutrient Management:**
 - **Nutrient Leaching:** High rainfall may lead to nutrient leaching. Apply balanced fertilizers based on soil test recommendations. Use slow-release fertilizers to ensure a steady supply of nutrients.
 - **Mulching:** Apply mulch to conserve soil moisture and prevent weed growth.
- **Pest Management:**
 - **Regular Monitoring:** High humidity can encourage pest activity. Monitor for common pests like coffee berry borer and use appropriate control measures, including biological control agents.
 - **Integrated Pest Management (IPM):** Implement IPM practices such as using pheromone traps, natural predators, and organic pesticides.

2. Pepper Plantations:

- **Water Management:**
 - Ensure proper drainage to avoid waterlogging. During periods of high rainfall, check for standing water around the vines and take corrective measures.
- **Disease Control:**
 - **Phytophthora Foot Rot:** High rainfall and humidity can promote Phytophthora infections. Apply recommended fungicides as a preventive measure. Ensure good drainage and avoid water stagnation.
 - **Anthraxnose:** Monitor for anthracnose symptoms and apply appropriate fungicides. Maintain plant hygiene by removing and destroying affected plant parts.
- **Support and Training:**
 - Ensure proper staking and training of pepper vines to prevent damage from heavy rains and winds. Use strong, durable materials for staking.
- **Nutrient Management:**
 - Apply fertilizers based on soil test results. Split applications of fertilizers can help in efficient nutrient uptake and reduce leaching losses.

3. Cardamom Plantations:

- **Water Management:**
 - Proper drainage is crucial to prevent waterlogging, which can cause root diseases. Implement contour trenches and other water conservation methods.
- **Disease Management:**
 - **Rhizome Rot and Leaf Blight:** High humidity increases the risk of these diseases. Apply appropriate fungicides and ensure good air circulation in the plantation.
 - **Regular Inspection:** Conduct regular inspections for early detection of diseases and take timely action.
- **Shade Management:**
 - Maintain optimal shade levels. Excessive shade can increase humidity and disease incidence, while too little shade can stress the plants.
- **Harvesting and Post-Harvest Management:**
 - Plan harvesting activities during periods of low rainfall to ensure the quality of the produce. Properly dry and store the harvested cardamom to prevent mold and spoilage.

Horticulture:

Fruits (Citrus, Banana):

Pruning: Remove any dead or diseased branches to prevent the spread of disease.

Nutrient Management: Apply necessary nutrients to support growth, especially with the expected rainfall.

Rainwater Harvesting: Set up rainwater harvesting systems to capture and store rainwater for irrigation during drier periods.

Livestock Management:

Shelter: Provide adequate shelter to protect livestock from rain and maintain dry bedding to prevent infections.

Feed Storage: Keep feed dry and protected from moisture to avoid spoilage.

Block level weather forecast (From 17-07-2024 to 21-07-2024)

Madikeri

Parameter	17.07.2024	18.07.2024	19.07.2024	20.07.2024	21.07.2024
Rainfall (mm)	42.7	41.2	49.7	30.2	10.6
Max. temp (°C)	24.3	25	25.1	25.5	25.9
Min.Temp (°C)	20.5	20.8	20.9	20.8	20.5
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	97	98	98	97	98
Relative humidity (%) 1730 hours	96	97	96	95	91
Wind Speed (kmph)	13	13	11	10	9
Wind Direction	248	257	291	257	248

Somvarpet

Parameter	17.07.2024	18.07.2024	19.07.2024	20.07.2024	21.07.2024
Rainfall (mm)	18.9	20.1	23.6	14.7	4.5
Max. temp (°C)	23	23.8	23.3	24.1	24.7
Min.Temp (°C)	19.2	19.4	19.5	19.2	19.1
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	94	95	95	95	95
Relative humidity (%) 1730 hours	92	92	92	89	85
Wind Speed (kmph)	20	20	18	17	16
Wind Direction	248	252	291	252	248

Virajpet

Parameter	17.07.2024	18.07.2024	19.07.2024	20.07.2024	21.07.2024
Rainfall (mm)	29.1	31.9	42.1	18.7	5.6
Max. temp (°C)	24.1	25.1	25.4	26.1	26.1
Min.Temp (°C)	21.3	21.7	21.7	21.5	21.2
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	97	97	98	97	98
Relative humidity (%) 1730 hours	96	95	95	91	89
Wind Speed (kmph)	13	12	10	9	8
Wind Direction	248	248	248	248	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**, Technical officer over phone No. 0821-259126/ 9535345814.

AMFU of IMD,
Naganahalli, Mysuru