

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



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Date: 24-05-2024

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Weather forecast for the next five days (From 25-05-2024 to 29-05-2024)

| Parameter | 25.05.2024 | 26.05.2024 | 27.05.2024 | 28.05.2024 | 29.05.2024 |
|----------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 28 | 12 | 14 | 15 | 15 |
| Max. Temp. (°C) | 30.1 | 29.9 | 29.8 | 31.6 | 31 |
| Min. Temp. (°C) | 20.1 | 20.4 | 21 | 21.4 | 21.3 |
| Sky condition (Octas) | 8 | 8 | 8 | 8 | 7 |
| Relative humidity (%) 0830 hours | 95 | 94 | 94 | 94 | 94 |
| Relative humidity (%) 1730 hours | 84 | 72 | 72 | 66 | 66 |
| Wind Speed (kmph) | 6 | 11 | 11 | 11 | 10 |
| Wind Direction | 270 | 257 | 252 | 246 | 246 |

Forecast Summary

Heavy rainfall from 22nd - 24th May likely over South Interior Karnataka.

As forecast received from IMD, cloudy sky with moderate rainfall may be expected from 25.05.2024 to 29.05.2024 in Kodagu district. The day temperature is expected to be 29.8-31.6°C & night temperature is expected 20.1-21.4°C. The relative humidity in the morning hours is expected to be 94-95% & afternoon relative humidity is expected to be in the range of 66-84%. Wind speed expected to be 6-11 km/ hr.

Recommendations to the farmers:

| Crop | Pest/Disease | Damage symptoms | Control measures |
|---|--------------|-----------------|------------------|
| Crops that can be grown during the month of May | | | |
| Ragi: INDAF – 9, GPU-45, 48. | | | |
| Maize: Hema, Nityashree, MAH-14-5 | | | |
| Pop corn: Amber | | | |
| Shaktiman maize: CSV-4, CSH-5, CSH-9 | | | |
| Groundnut: GKVK-5, KCG-6 (Chinthamani-6), GPBD-4, ICGV-91114, TMV-2, JL-24 | | | |
| Soybean: MAUS-2 (Pooja), Karune (Vegetable soybean), KBS-23 | | | |

Pigeonpea: BRG-1, BRG-2, BRG-3, BRG-4, BRG-5, ICP-7035, TTB-7, Hyderabad-3c

Greengram: PS-16, Pusa Baisakhi, PDM-84-178, KKM-3

Blackgram: Karagoan-3, T-9, Rashmi, LBG-791

Cowpea: TVX-944-02-E, KBC-1, KBC-2, KBC-9, IT-98456-1, KM-05, PGCP-6

Horticultural crops: Banana, Arecanut, Chilli, Tomato, Tumeric, potato, Ginger

Fodder crops:

Fodder maize: African tall

Sorghum: MP Chaari, Pusa chaari, JS-3, JS-20, COFS-29.

Bajra: Deena bhandhu-49A

Cowpea: KBC-2

Before the Rainfall:

Harvest Ready Crops:

Harvest mature crops that are ready to avoid spoilage due to excess moisture.

Drainage Preparation:

Ensure that drainage systems, including ditches and canals, are clear of debris to prevent waterlogging. Create ridges and furrows to direct water away from sensitive crop areas.

Secure Infrastructure:

Check and reinforce structures like greenhouses, storage facilities, and barns to withstand heavy winds and rain.

Store seeds, fertilizers, and pesticides in elevated, waterproof areas.

Livestock Protection:

Move livestock to higher ground or secure shelters to protect them from flooding and extreme weather conditions.

During the Rainfall:

Monitor Weather Updates:

Stay updated with local weather forecasts and warnings to respond promptly to changing conditions.

Avoid Field Work:

Refrain from working in the fields to avoid risks associated with flooding and heavy winds.

Check Drainage Regularly:

Monitor and maintain drainage systems to ensure they are functioning properly and water is being diverted as planned.

After the Rainfall:

Assess Damage:

Inspect fields for signs of waterlogging, erosion, or crop damage.

Check for any damage to farm infrastructure, such as broken fences or flooded storage areas.

Drain Excess Water:

Pump out standing water from fields to prevent prolonged waterlogging and root rot.

Soil Management:

Consider soil aeration methods, such as light tilling, to improve soil structure and oxygen levels.

Add organic matter to help soil recover and regain its fertility.

Crop Care:

Treat crops with appropriate fungicides if fungal diseases are a concern due to high moisture levels.

Replant damaged areas if necessary, taking into account the remaining growing season.

Documentation and Reporting:

Document any losses or damage for insurance purposes.

Report significant damage to local agricultural authorities for potential assistance programs.

Coconut

**Rhinoceros
beetle**

**Remove the beetle from infected part and fill 2 %
Quinolphos or 5 % Melathion in sand @ 1:1 ratio.**

| | | |
|--|-----------------------------------|--|
| Ginger | Rhizome treatment | Treat the rhizomes with 2 gm bleaching powder, 1 gm Metalaxyl MZ- 72, 1 gm Streptocycline mixed in 1 ltr of water. Treat the rhizomes 30 minutes and dry in shade. This will prevent rhizome rot problems. |
| Ginger | Rhizome rot | Symptoms: Yellowing of leaves, drying of leaf margin followed by burning of entire leaf, bottom portion of the shoot with water soaked soft, orange coloured rhizomes turn to brown colour, gradual rotting of such rhizomes. To manage this disease by drench the base of the plants with 2.0 g. Captan 50 WP or 2.0 g. Metalaxyl - MZ 72WP. In a lit.water. |
| Sugarcane | Topdressing and intercultivation | Provide topdressing in 3 splits, first topdressing should be given in 45 days after planting with 20% nitrogen, second is to be given after 75 days after planting using 30% of total nitrogen. The final topdressing should be given after 105 days with the remaining 40% nitrogen. Application of fertilizers in between ploughed rows of both sides will be more efficient use of fertilizers possible. Alternatively provide the fertilizers surrounding seedlings with 4 - 5" depth. |
| Tomato Chilli, Brinjal | Before sowing Seedlings treatment | To avoid incidence of wilt disease, Treat the vegetable seedlings with biofertilizers <i>Tricoderma</i> (4 grms) before planting. |
| 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 25-05-2024 to 29-05-2024)**Madikeri**

| Parameter | 25.05.2024 | 26.05.2024 | 27.05.2024 | 28.05.2024 | 29.05.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 76.3 | 1.7 | 1.4 | 1.2 | 1 |
| Max. temp (°C) | 28.7 | 30.9 | 29.8 | 30.2 | 30.3 |
| Min.Temp (°C) | 21.1 | 22.2 | 21.7 | 21.7 | 21.5 |
| Sky condition (Octas) | 8 | 8 | 7 | 8 | 8 |
| Relative humidity (%) 0830 hours | 98 | 96 | 96 | 97 | 97 |
| Relative humidity (%) 1730 hours | 86 | 71 | 72 | 76 | 73 |
| Wind Speed (kmph) | 6 | 11 | 11 | 10 | 10 |
| Wind Direction | 289 | 291 | 288 | 283 | 270 |

Somvarpet

| Parameter | 25.05.2024 | 26.05.2024 | 27.05.2024 | 28.05.2024 | 29.05.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 60.3 | 0.5 | 0 | 0 | 0 |
| Max. temp (°C) | 29.2 | 29.1 | 28.5 | 28.9 | 28.9 |
| Min.Temp (°C) | 19.2 | 20.5 | 19.7 | 19.6 | 19.6 |
| Sky condition (Octas) | 8 | 8 | 7 | 8 | 8 |
| Relative humidity (%) 0830 hours | 96 | 92 | 92 | 94 | 95 |
| Relative humidity (%) 1730 hours | 69 | 69 | 66 | 65 | 68 |
| Wind Speed (kmph) | 12 | 19 | 20 | 18 | 17 |
| Wind Direction | 289 | 288 | 283 | 283 | 283 |

Virajpet

| Parameter | 25.05.2024 | 26.05.2024 | 27.05.2024 | 28.05.2024 | 29.05.2024 |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Rainfall (mm) | 78.2 | 3 | 1 | 1.3 | 0.9 |
| Max. temp (°C) | 26.2 | 30.4 | 29.5 | 30 | 30.4 |
| Min.Temp (°C) | 21.8 | 22.9 | 22.6 | 22.4 | 22.3 |
| Sky condition (Octas) | 8 | 7 | 8 | 8 | 8 |
| Relative humidity (%) 0830 hours | 99 | 95 | 96 | 96 | 96 |
| Relative humidity (%) 1730 hours | 91 | 70 | 69 | 72 | 68 |
| Wind Speed (kmph) | 5 | 10 | 10 | 9 | 9 |
| Wind Direction | 261 | 249 | 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, Research Assoicate over phone No. 0821-259126/ 9535345814.

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