

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



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



Date:14-03-2025

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	15.03.2025	16.03.2025	17.03.2025	18.03.2025
Rainfall (mm)	0	0	0	0
Max. Temp. (°C)	34.9	34.2	32.4	32.6
Min. Temp. (°C)	19.7	20.7	21.1	18.6
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	100	100	87	100
Relative humidity (%) 1730 hours	-	-	74	-
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 19-03-2024 to 23-03-2025)

Parameter	19.03.2025	20.03.2025	21.03.2025	22.03.2025	23.03.2025
Rainfall (mm)	1	0	0	0	2
Max. Temp. (°C)	33	33	33	33	33
Min. Temp. (°C)	19	19	19	19	20
Sky condition (Octas)	3	2	3	2	4
Relative humidity (%) 0830 hours	91	93	92	89	87
Relative humidity (%) 1730 hours	73	73	74	72	73
Wind Speed (kmph)	4	2	2	4	4
Wind Direction	63	135	45	63	160

Forecast Summary

As forecast received from IMD, cloudy sky with **very light rainfall** may be expected from 19.03.2025 to 23.03.2025 in Kodagu district. The day temperature is expected to be 33°C & night temperature is expected 19-20°C. The relative humidity in the morning hours is expected to be 87-93% & afternoon relative humidity is expected to be in the range of 72-74%. Wind speed expected to be 2-4 km/ hr.

SMS Advisory

A forecasted temperature for the next five days is 35°C. Farmers should irrigate crops adequately and use mulching to conserve soil moisture. Provide shade and sufficient drinking water for livestock to prevent heat stress. Very light rainfall aids in minimizing heat-related damage for crops.

Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
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General Advisory:

Since there is no rainfall for the next five days and coffee is in the flowering stage, provide **sprinkler irrigation** to maintain soil moisture and support proper flowering. Avoid excessive watering to prevent flower drop. Apply a **foliar spray of 2% urea or 0.5% boron (Borax)** to enhance flowering and fruit set. Mulching with organic matter like coffee husk will help retain soil moisture and reduce temperature stress.

Crop	Stage	Weather-Based Advisory
Paddy	Nursery preparation/transplanting	Very light rainfall: despite of very light rainfall ensure adequate irrigation for nursery. Maintain proper moisture for seedling growth.
Maize	Tasseling stage	Very light rainfall; aids in preventing water stress. Mulching is recommended to conserve soil moisture. Monitor for fall armyworm.
Ragi	Vegetative stage	Very light rainfall reduces moisture loss.
Tomato	Fruit development	Very light rainfall: Install mulch to maintain soil moisture. Protect from fruit borers and powdery mildew.
Brinjal	Flowering/fruiting stage	Very light rainfall: avoids flower drop. Monitor for sucking pests like whiteflies and mites.
Chilli	Flowering stage	Very light rainfall: despite irrigate regularly to avoid flower drop. Monitor for thrips and mites due to dry conditions.
Cabbage	Head formation	Very light rainfall: Regularly check for diamondback moth infestation.
Cauliflower	Head formation	Very light rainfall: keeps the soil moist for better head development. Monitor for aphids and caterpillars.
Coffee	Berry development (post-harvest maintenance)	Very light rainfall: provides protective irrigation. Mulching and shade tree management are recommended. Avoid excessive pruning.
Arecanut	Fruiting/maturity	Very light rainfall: supports nut filling. Irrigate at 10-15 days interval. Protect from mites and spindle bug infestations.
Coconut	Nut development	Very light rainfall: apply irrigation to prevent nut drop. Use organic mulches to retain soil moisture. Keep palms free from rugose whitefly.
Pepper	Fruiting	Very light rainfall: maintain soil moisture through light irrigation. Provide shade and mulch. Check for pollu beetle infestations.
Cardamom	Maintenance/post-harvest phase	Very light rainfall: helps in moisture retention through mulching. Maintain shade trees.
Banana	Bunch development	Very light rainfall: avoids fruit shrinkage. Provide propping support to avoid lodging due to dry winds.
Sapota	Fruiting/harvest	Very light rainfall: is essential in maintaining fruit quality. Timely harvesting is advised to prevent fruit cracking.
Guava	Fruiting	Very light rainfall; aids to maintain fruit size and quality. Mulching can be beneficial.

Livestock, Poultry, and Sericulture Advisory (Very light Rainfall & High Temperature)

Sector	Weather-Based Advisory
Livestock	Ensure proper shade and ventilation in animal sheds. Provide ample clean drinking water. Avoid grazing during peak heat hours. Provide mineral supplements to prevent heat stress.
Poultry	High temperatures may lead to heat stress, affecting egg production and bird health. Maintain proper ventilation in poultry sheds. Provide cool drinking water with electrolytes. Reduce feed quantity in the daytime and provide more during cooler hours.
Sericulture	High temperatures can stress silkworms. Maintain humidity by sprinkling water in rearing rooms. Provide proper aeration and shade to protect mulberry plants from heat stress.

Moisture Conservation Practices and Summer Ploughing Advisory

Practice	Weather-Based Advisory
Mulching	Apply dry leaves, paddy straw, or organic waste around plants to reduce evaporation losses and soil temperature.
Summer Ploughing	Since rainfall is absent, conduct deep summer ploughing to expose soil-borne pests and improve aeration. It also helps in better moisture retention for the next season.
Irrigation Management	Follow drip irrigation or sprinkler irrigation to conserve water. Irrigate during early morning or evening hours to minimize evaporation losses.
Shading Measures	For young plants and nurseries, use shade nets or temporary structures to reduce direct heat impact.

Block level weather forecast (From 19-03-2025 to 23-03-2025)

Madikeri

Parameter	19.03.2025	20.03.2025	21.03.2025	22.03.2025	23.03.2025
Rainfall (mm)	4.4	0	0	0	2.4
Max. temp (°C)	31.1	30.4	31.7	32	31.7
Min.Temp (°C)	19.7	20.1	19.7	19.7	19.6
Sky condition (Octas)	5	4	2	1	1
Relative humidity (%) 0830 hours	92.9	91.3	90	88.4	85.2
Relative humidity (%) 1730 hours	43.1	47.1	39.6	38	38.7
Wind Speed (kmph)	1.4	1.3	1.3	1	0.5
Wind Direction	160	123.7	56.3	45	315

Somvarpet

Parameter	19.03.2025	20.03.2025	21.03.2025	22.03.2025	23.03.2025
Rainfall (mm)	2	0	0	0	0.5
Max. temp (°C)	32.1	31.7	32.2	32.2	32.5

Min.Temp (°C)	19.5	20.1	19.2	19.5	19.1
Sky condition (Octas)	5	6	3	1	1
Relative humidity (%) 0830 hours	90.6	90	89.6	90.1	83.6
Relative humidity (%) 1730 hours	36.7	40.4	35.3	33.4	34
Wind Speed (kmph)	1.6	2	0.8	0.7	0.4
Wind Direction	116.6	135	153.5	160	160

Virajpet

Parameter	19.03.2025	20.03.2025	21.03.2025	22.03.2025	23.03.2025
Rainfall (mm)	2.7	0	0	0	1.4
Max. temp (°C)	31.8	31.8	33.2	33.1	33
Min.Temp (°C)	21.1	21.2	21	20.9	20.8
Sky condition (Octas)	6	4	3	3	1
Relative humidity (%) 0830 hours	93.6	93.6	92.8	90.3	90.1
Relative humidity (%) 1730 hours	45.3	46.8	41.2	40.8	40.8
Wind Speed (kmph)	1.5	1.5	2.3	1.8	0.7
Wind Direction	76	76	38.6	53.1	160

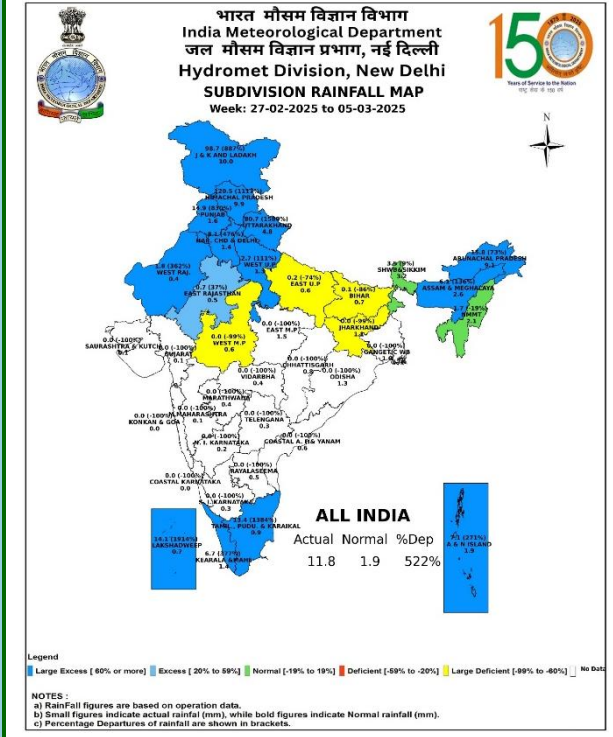
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/ **Dr. SumanthKumar.G.V**, Technical officer over phone No. 0821-259126/ 9535345814

AMFU of IMD,
Naganahalli, Mysuru

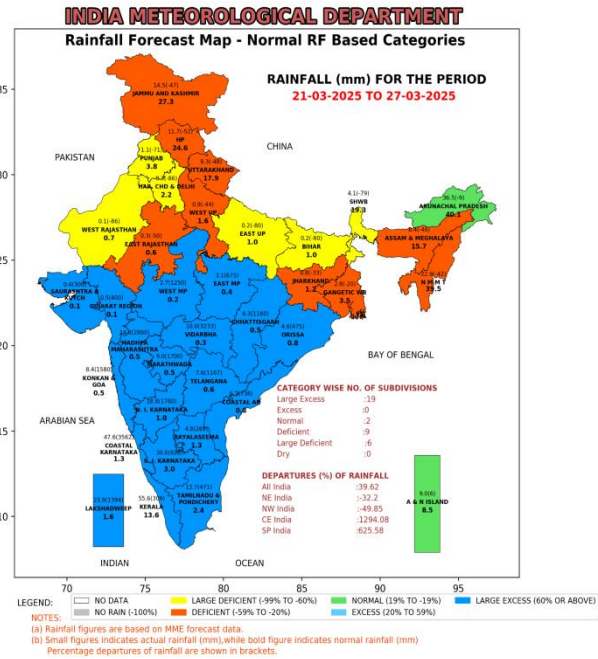
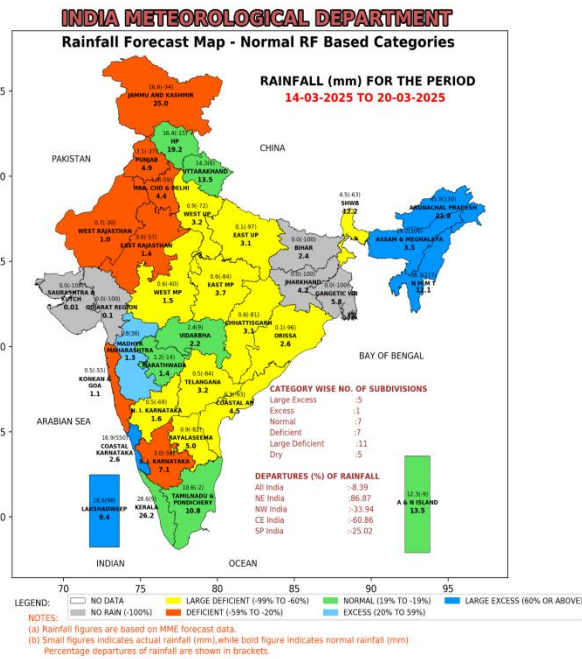
वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
 (वर्षा और तापमान)
 (Rainfall and Temperature)

Realized Rainfall
 (27th February to 12th March, 2025)



Extended Range Forecast System

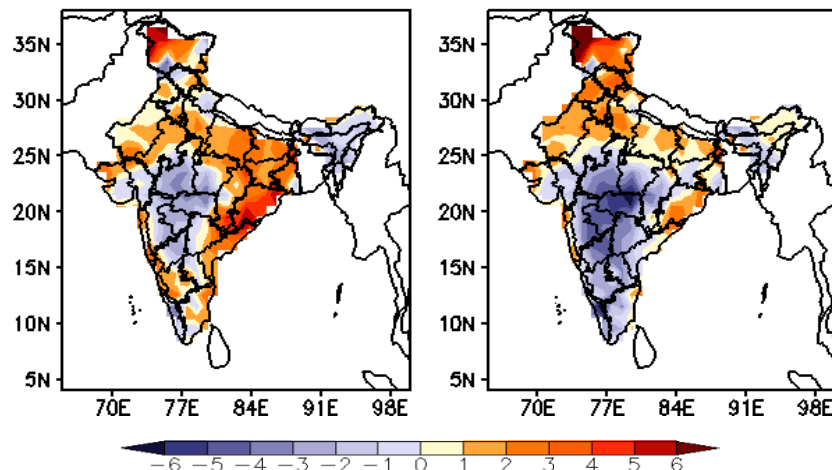
Rainfall forecast maps for the next 2 weeks (IC- 12thMarch,2025) (14thto 27thMarch, 2025)



- **Week1(14.03.2025 to 20.03.2025):**Rainfall is likely to be above normal over North East India. Rainfall activity is also likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Kerala, coastal Karnataka and coastal regions of Tamil Nadu.
- **Week 2 (21.03.2025 to 27.03.2025):**Rainfall is likely to be above normal over Kerala, Tamil Nadu and Karnataka. Rainfall activity is also likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, North East India, Maharashtra, Telangana and some parts of Chhattisgarh and Odisha.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 12thMarch,2025) (14thto 27thMarch, 2025)

MME forecast Tmax anomaly (Deg C) (Week1: 14Mar-20Mar) (Week2: 21Mar-27Mar)

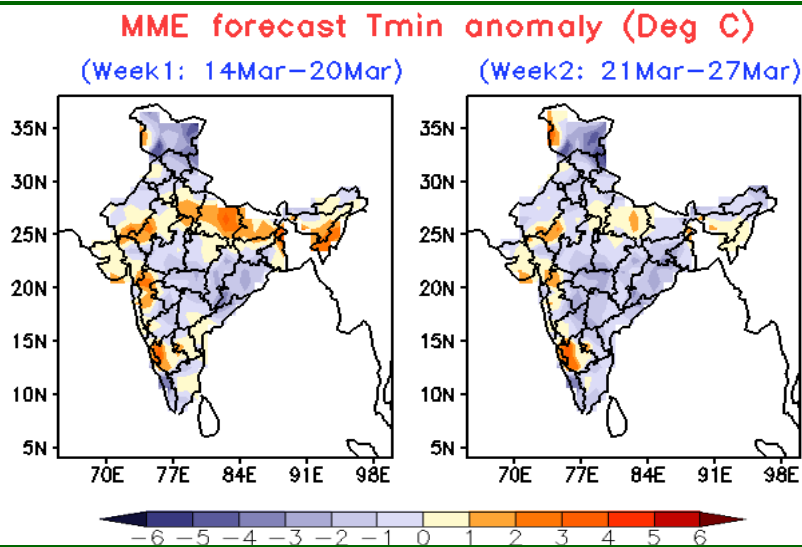


Maximum Temperature (Tmax)

- **Week 1 (14.03.2025 to 20.03.2025):** Maximum temperature is likely to be above normal

over most parts of North West India, East India, Konkan-Goa, Karnataka and States along East coast and below normal over Central India.

- **Week 2 (21.03.2025 to 27.03.2025):** Maximum temperature is likely to be above normal over most parts of North West India and many parts of East India. However, it is likely to be below normal over Central India, West India and South India.



Minimum Temperature (Tmin)

- **Week 1 (14.03.2025 to 20.03.2025):** Minimum temperature is likely to be below normal over Central India, Jammu & Kashmir and Odisha. However, it is likely to be above normal over many parts of North West India, North East India, Gujarat, Madhya Maharashtra and Karnataka.
- **Week 2 (21.03.2025 to 27.03.2025):** Minimum temperature is likely to be below normal over most parts of the country. However, it is likely to be above normal over East Uttar Pradesh, Gujarat, Karnataka, Madhya Maharashtra and some parts of North East India.