

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



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



Date:17-04-2025

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	14.04.2025	15.04.2025	16.04.2025	17.04.2025
Rainfall (mm)	0	-	0	0
Max. Temp. (°C)	32.6	-	32.6	30.2
Min. Temp. (°C)	19.3	-	19.8	20.2
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	100	-	100	87
Relative humidity (%) 1730 hours	29	-	32	78
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 18-04-2025 to 22-04-2025)

Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	4	4	5	7	7
Max. Temp. (°C)	30	30	30	29	29
Min. Temp. (°C)	20	20	20	19	19
Sky condition (Octas)	4	4	5	5	5
Relative humidity (%) 0830 hours	91	93	94	94	91
Relative humidity (%) 1730 hours	62	64	63	62	61
Wind Speed (kmph)	6	8	8	10	8
Wind Direction	230	278	284	288	252

Forecast Summary

As forecast received from IMD, cloudy sky with **light rainfall** may be expected from **18.04.2025 to 22.04.2025** in Kodagu district. The day temperature is expected to be 29-30°C & night temperature is expected 19-20°C. The relative humidity in the morning hours is expected to be 91-94% & afternoon relative humidity is expected to be in the range of 61-64%. Wind speed expected to be 6-10 km/ hr.

SMS Advisory

Light rainfall expected. Ensure proper drainage in coffee, pepper, and arecanut plantations. Avoid spraying during rain. Support young plants against winds.

Recommendations to the farmers:-			
Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
Light rainfall is expected in the Kodagu region. Farmers are advised to ensure proper drainage in fields and avoid spraying chemicals during rainy days. Support banana plants to prevent lodging due to wind. Monitor coffee and pepper crops for fungal diseases and plan sprays after the rains.			

Crop	Stage	Weather-Based Advisory
Paddy	Vegetative stage	Provide irrigation at regular intervals to maintain moisture. Monitor for stem borer and control weeds effectively.
Maize	Tasseling stage	Critical stage for grain formation; ensure adequate irrigation. Monitor for fall armyworm and use pheromone traps or biological control if needed.
Ragi	Vegetative stage	Maintain soil moisture with regular irrigation. Ensure weed control for better crop growth.
Tomato	Fruit development	Regular irrigation is essential to avoid fruit cracking. Protect fruits from sunburn using mulching. Monitor for fruit borer and powdery mildew.
Brinjal	Flowering/fruiting stage	Ensure continuous irrigation to prevent fruit drop. Watch for fruit and shoot borer; use pheromone traps or neem-based sprays.
Chilli	Flowering stage	Irrigate at regular intervals to support flowering. Monitor for thrips and mites; apply recommended bio-control measures.
Cabbage	Head formation	Maintain adequate soil moisture for proper head formation. Protect against pests like diamondback moth.
Cauliflower	Head formation	Regular irrigation is required for uniform head development. Keep an eye on aphids and whiteflies.
Coffee	Flowering stage	Use sprinkler irrigation to support flowering. Avoid moisture stress to ensure uniform flowering and fruit set.
Arecanut	Fruiting/maturity	Provide irrigation at 7-10 day intervals. Mulching helps conserve soil moisture. Monitor for nut pests like spindle bug.
Coconut	Nut development	Irrigate regularly to avoid nut drop. Apply organic mulching to retain moisture. Fertilizer application can be done based on soil test results.
Pepper	Fruiting	Maintain adequate soil moisture. Support vines with proper staking. Keep a check on pest infestations like pollu beetle.
Cardamom	Maintenance/post-harvest phase	Mulching is recommended to retain soil moisture. Monitor for pests like thrips and cardamom shoot borer.
Banana	Bunch development	Regular irrigation is crucial to support bunch growth. Apply potassium-rich fertilizers for better fruit development. Provide staking for support.
Sapota	Fruiting/harvest	Provide irrigation to maintain fruit quality. Ensure timely harvesting to avoid overripening.
Guava	Fruiting	Irrigation at regular intervals is required for fruit development. Monitor for fruit flies and take preventive measures.

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 18-04-2025 to 22-04-2025)					
Madikeri					
Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	8.4	4.7	12.9	15.8	21.2
Max. temp (°C)	29.6	29.6	29.5	29.7	30.2
Min.Temp (°C)	20	20.2	20.2	20.9	20.7
Sky condition (Octas)	4	5	5	5	6
Relative humidity (%) 0830 hours	87.9	92.7	93.4	93	88.8
Relative humidity (%) 1730 hours	50.1	46.8	55.5	55.7	53.8
Wind Speed (kmph)	2.2	3.6	4.2	1.6	2.6
Wind Direction	0	0	290	296.6	254

Somvarpet					
Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	3.2	2.2	7.8	11.2	17.9
Max. temp (°C)	30	29.9	29.6	30.1	31.2
Min.Temp (°C)	20	20.2	20.2	20.7	20.7
Sky condition (Octas)	4	4	5	5	6
Relative humidity (%) 0830 hours	88.1	90.7	91.9	92.6	87.9

Relative humidity (%) 1730 hours	45.6	43.5	52.1	49.4	47.6
Wind Speed (kmph)	2.5	3.7	4.6	1.8	2.9
Wind Direction	278.1	281.3	288.4	281.3	277.1

Virajpet					
Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	3.8	2.9	8.5	11	15.1
Max. temp (°C)	31.2	31.2	31.2	31.5	32.1
Min.Temp (°C)	21.2	21.4	21.5	22.2	21.7
Sky condition (Octas)	3	4	5	6	6
Relative humidity (%) 0830 hours	92.2	93.1	94.1	93.4	91.5
Relative humidity (%) 1730 hours	47.1	48.1	54.2	55.3	50.6
Wind Speed (kmph)	1.4	2.2	2.2	0.7	2.3
Wind Direction	0	279.5	279.5	0	251.6

➤ 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

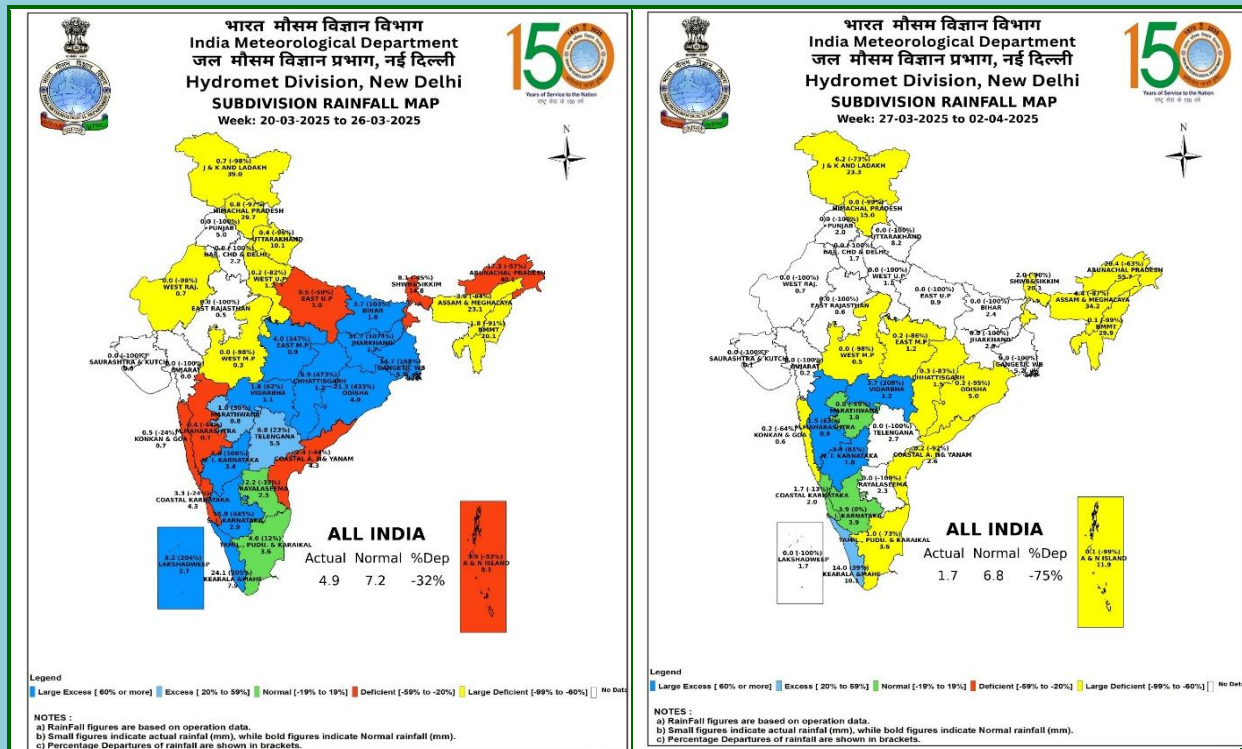
➤ This information is available in the website: mausam.imd.gov.in

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

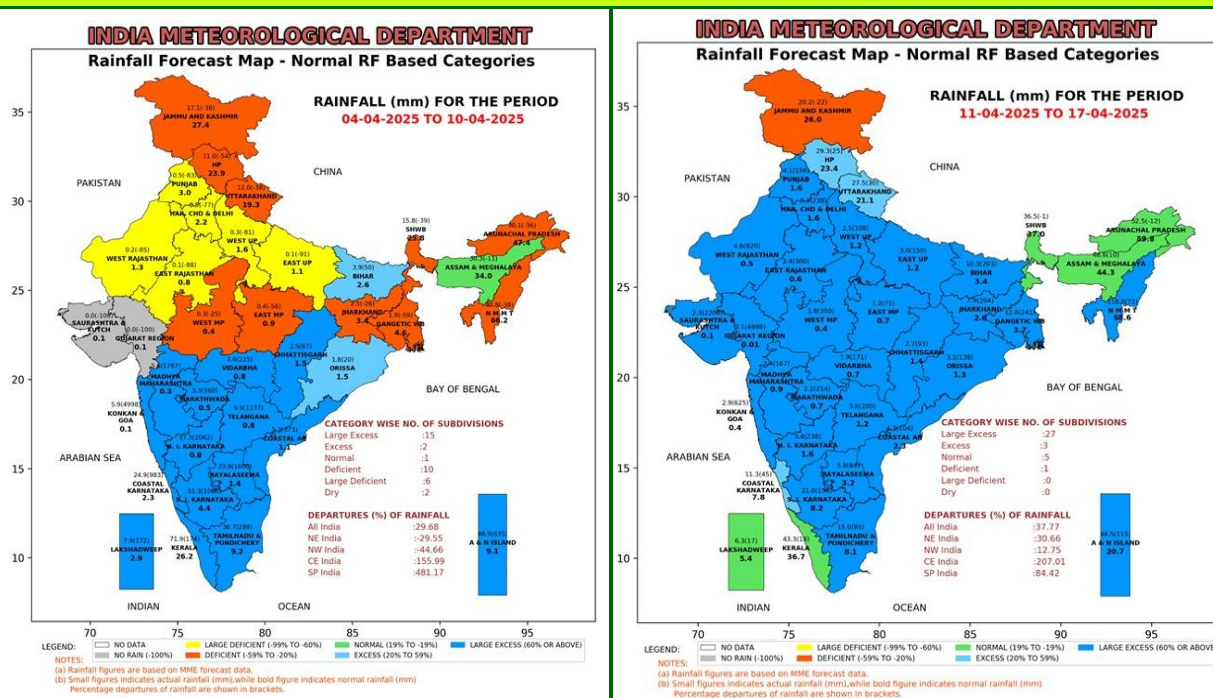
वास्तविकवर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
 (वर्षा और तापमान)
(Rainfall and Temperature)

Realized Rainfall
(20th March to 02nd April, 2025)



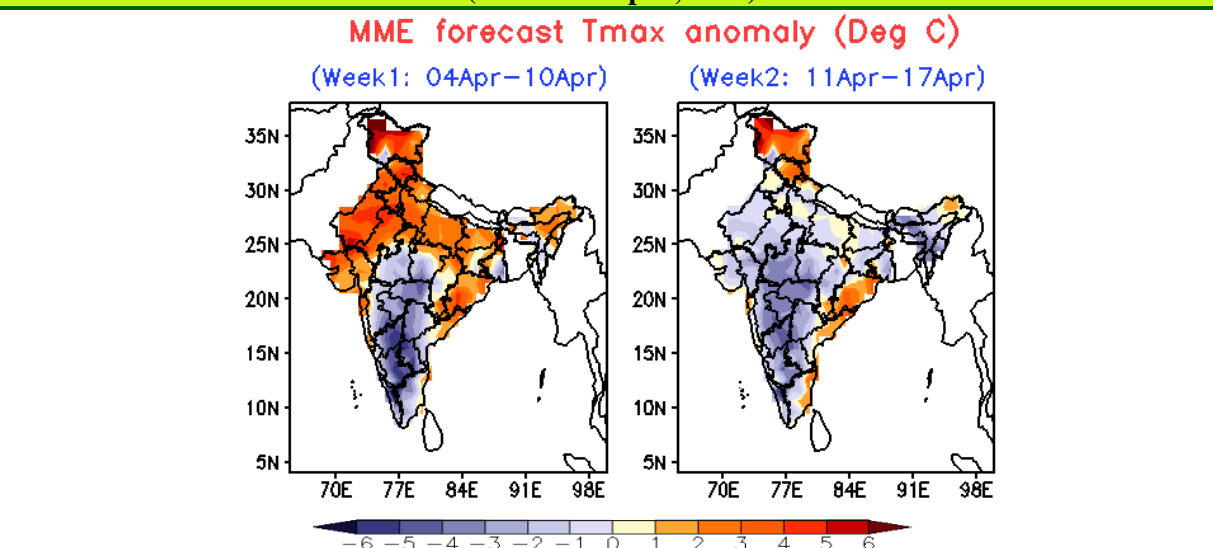
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 02nd April,2025) (04th to 17th April, 2025)



- Week1(04.04.2025 to 10.04.2025):** Rainfall is likely to be above normal over Kerala, Tamil Nadu, Karnataka, Telangana and Rayalaseema. Rainfall activity is also likely over North East India, Jammu & Kashmir, Himachal Pradesh, Uttarakhand and some parts of Maharashtra.
- Week 2 (11.04.2025 to 17.04.2025):** Rainfall is likely to be above normal over South Karnataka and some parts of North East India, Kerala and Tamil Nadu. Rainfall activity is also likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Bihar, Gangetic West Bengal, some parts of Punjab and Jharkhand.

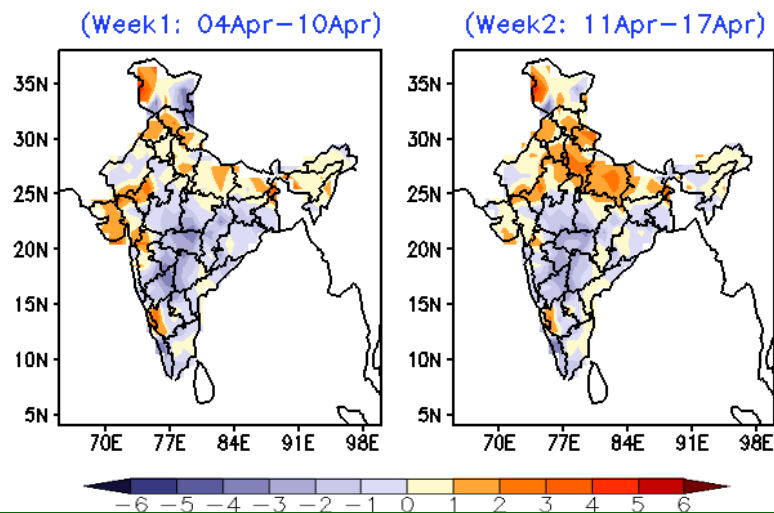
Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 02nd April,2025) (04th to 17th April, 2025)



over North West India, East India, many parts of North East India, Gujarat, Konkan-Goa and some parts of Chhattisgarh. However, it is likely to be below normal over South India, many parts of Central and West India.

- **Week 2 (11.04.2025 to 17.04.2025):** Maximum temperature is likely to be below normal over most parts of country except Jammu & Kashmir, Himachal Pradesh, Odisha, Coastal Andhra Pradesh and coastal regions of Tamil Nadu where it is likely to be above normal.

MME forecast Tmin anomaly (Deg C)



Minimum Temperature (Tmin)

- **Week 1 (04.04.2025 to 10.04.2025):** Minimum temperature is likely to be below normal over many parts of Central India, East India and South India. However, it is likely to be above normal over many parts of North West India, North East India, Bihar, Gujarat, Madhya Maharashtra and Karnataka.
- **Week 2 (11.04.2025 to 17.04.2025):** Minimum temperature is likely to be below normal over many parts of Central India, East India and South India. However, it is likely to be above normal over North West India & Bihar and parts of North East India, Gujarat and Karnataka.