

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



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



Date:29-11-2024

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	25.11.2024	26.11.2024	27.11.2024	28.11.2024	29.11.2024
Rainfall (mm)	0	0	0	-	0
Max. Temp. (°C)	29.9	29.2	28.2	-	28.8
Min. Temp. (°C)	16.8	16.8	19	-	13.8
Sky condition (Octas)	-	-	-	-	
Relative humidity (%) 0830 hours	96	83	87	-	59
Relative humidity (%) 1730 hours	-	-	-	-	-
Wind Speed (km/h)	-	-	-	-	-
Wind Direction	-	-	-	-	-

Weather forecast for the next five days (From 30-11-2024 to 04-12-2024)

Parameter	30.11.2024	01.12.2024	02.12.2024	03.12.2024	04.12.2024
Rainfall (mm)	0	0	7	25	17
Max. Temp. (°C)	27.7	24.9	25.1	24.2	24
Min. Temp. (°C)	17.5	19.2	20	19.9	19.9
Sky condition (Octas)	8	8	8	7	7
Relative humidity (%) 0830 hours	86	92	94	94	95
Relative humidity (%) 1730 hours	51	69	67	69	77
Wind Speed (kmph)	5.9	3.4	2.3	2.9	3
Wind Direction	52	18	18	120	76

Forecast Summary

As forecast received from IMD, cloudy sky with **light to moderate rainfall** may be expected from 30.11.2024 to 04.12.2024 in Kodagu district. The day temperature is expected to be 24-27.7°C & night temperature is expected 17.5-20°C. The relative humidity in the morning hours is expected to be 86-95% & afternoon relative humidity is expected to be in the range of 51-77%. Wind speed expected to be 2.3-5.9 km/ hr.

SMS Advisory

Protect crops and livestock from cold; irrigate late morning and provide warm shelters for animals.

Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
<ul style="list-style-type: none"> ✓ Drainage Management: Ensure proper drainage systems in fields and plantations to avoid waterlogging, as light to moderate rainfall is forecasted. This will help prevent root rot and fungal diseases. ✓ Pest and Disease Monitoring: High humidity and overcast skies can trigger pest infestations and fungal diseases. Regularly inspect crops for common issues like fruit borers, aphids, black rot, and rust, and take timely control measures. ✓ Crop Support: Stake crops like tomato, chilli, and banana to protect them from lodging due to rain and wind. ✓ Post-Harvest Handling: For crops like cardamom and ginger, ensure harvested produce is dried in ventilated, rain-proof areas to maintain quality and prevent mold formation. ✓ Livestock and Poultry Care: Provide warm, dry shelters to protect animals from damp conditions. Avoid overcrowding in sheds to prevent disease outbreaks, and ensure clean water and balanced feed. ✓ Sericulture and Horticulture: Maintain ideal humidity and temperature in silkworm rearing rooms. Protect horticultural crops from fungal infections by spraying preventive fungicides if necessary. 			

Crop	Stage	Advisory (Including Pest and Disease Control Measures)
Coffee	Berry development	Light irrigation may still be needed to maintain moisture balance. Avoid excessive waterlogging, as it can lead to root diseases. Monitor for berry borer and leaf rust . Install pheromone traps and spray copper oxychloride (0.25%) for control.
Black Pepper	Berry development	Ensure good drainage to prevent waterlogging around the base. For anthracnose , apply Bordeaux mixture (1%). For scale insects , use neem oil (2%).
Arecanut	Nut development to harvesting	Provide slight irrigation if necessary. Apply Bordeaux paste to crown to prevent bud rot . Use neem oil for spindle bug management.
Coconut	Nut development	Provide basin irrigation to help support nut development. Mulch to conserve moisture and reduce evaporation. Watch out for red palm weevil ; use pheromone traps and neem oil for mites .
Cardamom	Harvesting	Harvest mature capsules and avoid leaving overripe ones on the plants. Dry under shade to prevent mold growth. For capsule rot , spray Bordeaux mixture (1%). Ensure proper drainage in fields.
Paddy	Milking to grain filling	Continue with alternate wetting and drying (AWD) to maintain soil moisture. Avoid over-saturation. Watch for stem borer ; use Trichogramma cards. Spray Streptomycin (0.6 g/l) + copper oxychloride (0.3%) for bacterial leaf blight .
Banana	Bunch development	Provide support to the bunches to prevent damage due to rainfall. Spray Carbendazim (0.1%) for Sigatoka leaf spot . Use neem cake for nematode control.
Ginger and Turmeric	Harvesting	Harvest when leaves start yellowing. Avoid watering before harvest to ensure proper curing of rhizomes. For rhizome rot , apply Trichoderma-based biocontrol agents.

Advisory for Livestock and Sericulture

Category	Advisory	Pests and Diseases	Control Measures

Livestock	Provide clean drinking water and adequate shelter; avoid overcrowding in sheds.	Foot and mouth disease (FMD), ticks	Vaccinate for FMD; use acaricides or herbal sprays to control ticks.
Sericulture	Ensure mulberry plantations are irrigated; maintain optimal humidity in rearing rooms.	Silkworm diseases (grasserie, flacherie)	Maintain hygiene; disinfect rearing rooms with 2% formalin solution.

Block level weather forecast (From 30-11-2024 to 04-12-2024)

Madikeri

Parameter	30.11.2024	01.12.2024	02.12.2024	03.12.2024	04.12.2024
Rainfall (mm)	0.2	0	14.6	55.2	17.7
Max. temp (°C)	26.8	24.2	24.2	23.6	23.5
Min.Temp (°C)	17	18.7	19.4	19.5	19.6
Sky condition (Octas)	7	8	8	7	7
Relative humidity (%) 0830 hours	87.4	91.6	93.9	94	94.1
Relative humidity (%) 1730 hours	52.8	68.4	69.2	70.4	75.6
Wind Speed (kmph)	5.6	3.7	3.7	2.8	3
Wind Direction	45	11.3	11.3	129.8	76

Somvarpet

Parameter	30.11.2024	01.12.2024	02.12.2024	03.12.2024	04.12.2024
Rainfall (mm)	0.2	0	9.6	41.1	16.1
Max. temp (°C)	26.2	24.1	24.1	23.5	24
Min.Temp (°C)	16.5	18.5	19.2	19.2	19.2
Sky condition (Octas)	8	8	8	7	7
Relative humidity (%) 0830 hours	86.4	91.4	93.1	93.9	93.8
Relative humidity (%) 1730 hours	53.1	69.5	66.6	69.4	74
Wind Speed (kmph)	5	3.1	1.9	4	3.7
Wind Direction	69	20.5	21.8	95.2	101.3

Virajpet

Parameter	30.11.2024	01.12.2024	02.12.2024	03.12.2024	04.12.2024
Rainfall (mm)	0.4	0	17.4	51.5	22.8
Max. temp (°C)	28.7	26.1	26.6	25.4	24.8
Min.Temp (°C)	18.4	20.2	20.5	20.5	20.2

Sky condition (Octas)	7	8	8	7	6
Relative humidity (%) 0830 hours	84.7	90	92.9	94.1	97
Relative humidity (%) 1730 hours	47.9	67.6	62.3	65.7	74.8
Wind Speed (kmph)	6.9	3.9	3.1	2.4	3.5
Wind Direction	42.9	21.8	20.5	116.6	66

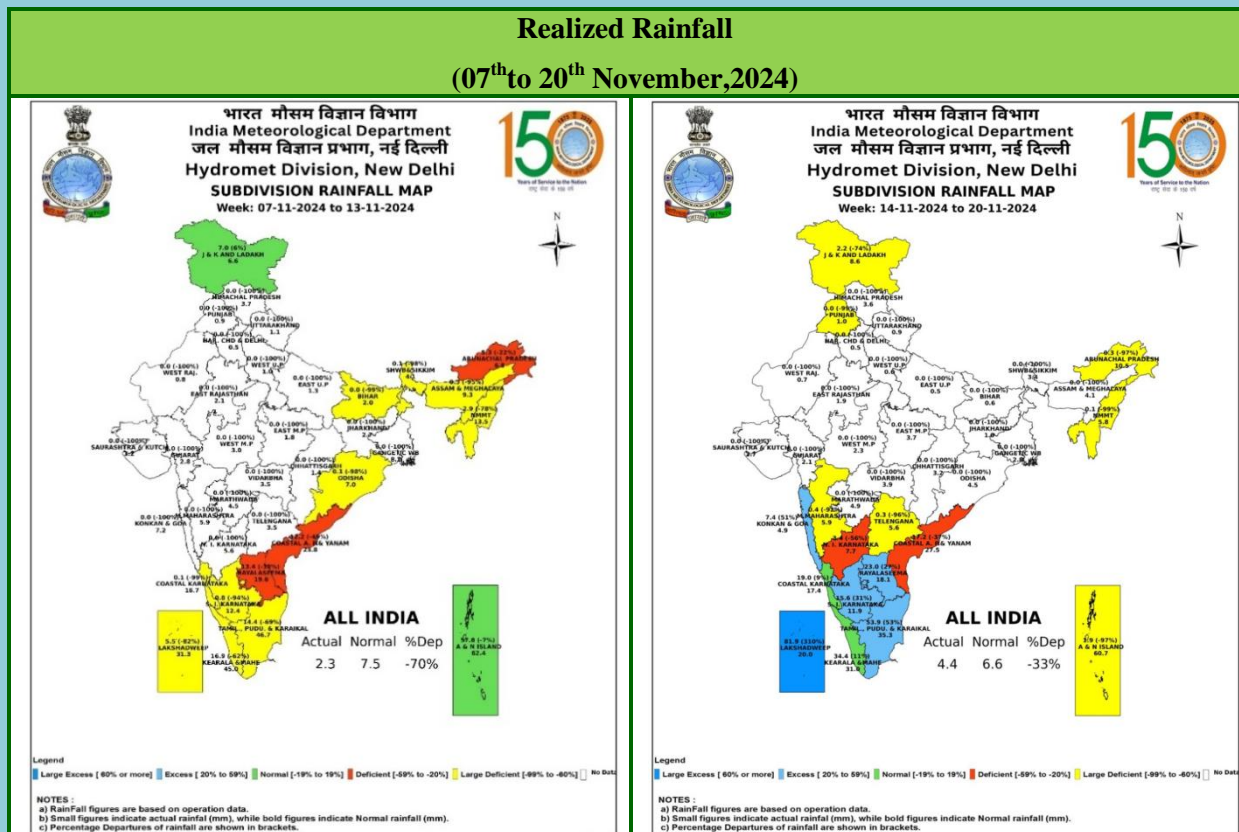
- Download “DAMINI” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “MAUSAM” APP for location specific forecast & warning & “MEGHDOOT” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

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,

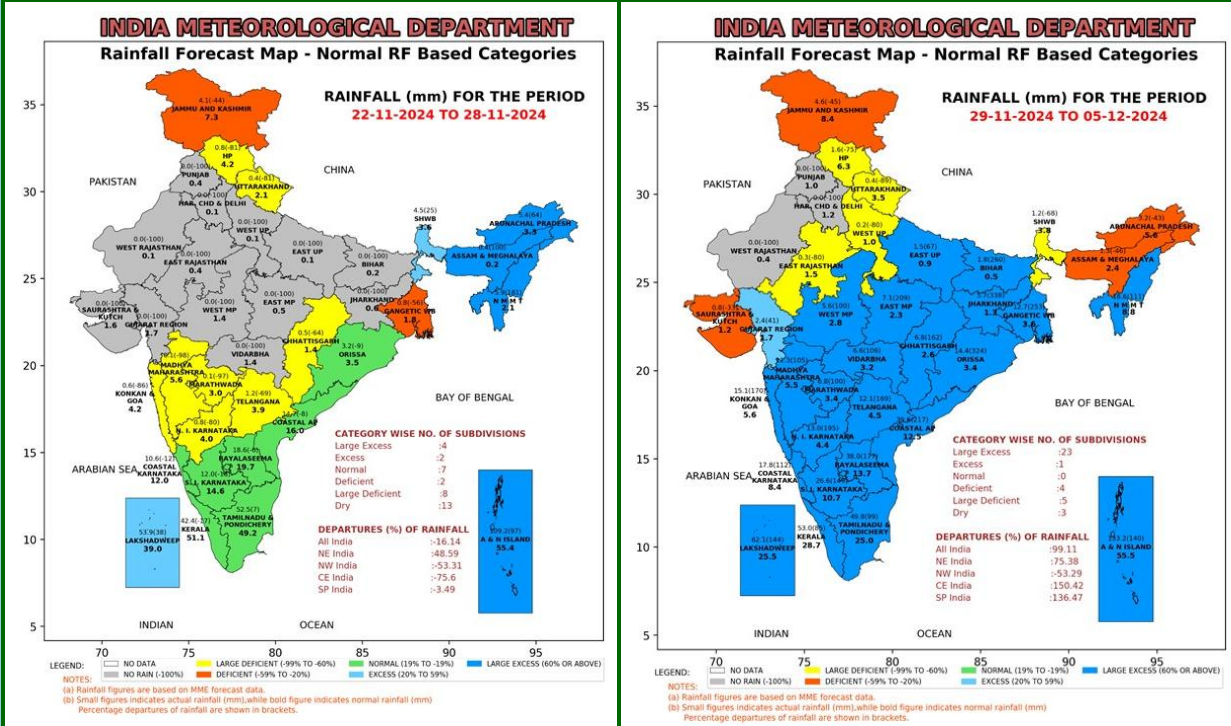
Naganahalli, Mysuru

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



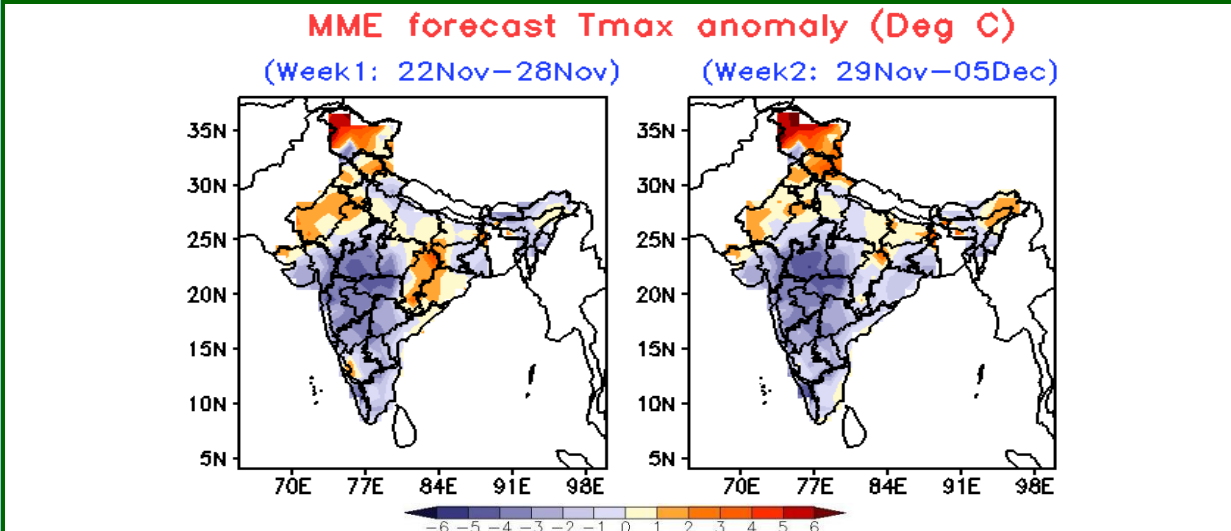
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 20thNovember, 2024) (22nd Novemberto 05th December, 2024)



- **Week1 (22.11.2024 to 28.11.2024):**Rainfall is likely to be normal over South India.
- **Week 2 (29.11.2024 to 05.12.2024):**Rainfall is likely over South India,Central India, East India and Nagaland, Manipur, Mizoram & Tripura (NMMT).

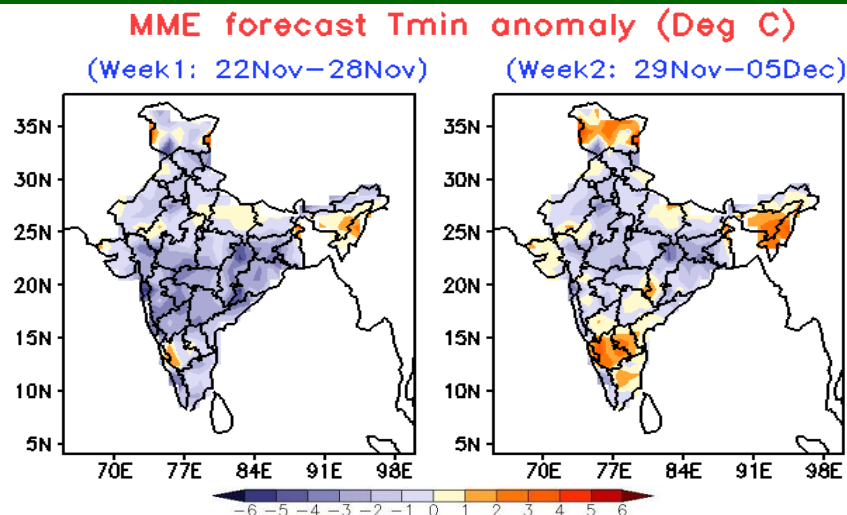
Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 20thNovember, 2024) (22nd Novemberto 05th December, 2024)



Maximum Temperature (Tmax)

- **Week 1 (22.11.2024 to 28.11.2024):**Maximum temperature is likely to be above normal over Jammu & Kashmir, Punjab, Himachal Pradesh, West Rajasthan and Chhattisgarh. It is likely to be below normal over Central India, West India and South India.
- **Week 2 (29.11.2024 to 05.12.2024):**Maximum temperature is likely to be above normal over Jammu & Kashmir, Himachal Pradesh, Punjab, West Rajasthan and Arunachal

Pradesh. It is likely to be below normal over Central India, West India, South India and some parts of East India.



Minimum Temperature (Tmin)

- **Week 1 (22.11.2024 to 28.11.2024):** Minimum temperature is likely to be below normal over most parts of the country.
- **Week 2 (29.11.2024 to 05.12.2024):** Minimum temperature is likely to be below normal over many parts of Northwest India, Central India and some parts of East India. It is likely to be above normal over Jammu & Kashmir, Northeast India, many parts of West India and South India.