

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



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



Date:17-12-2024

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	14.12.2024	15.12.2024	16.12.2024	17.12.2024
Rainfall (mm)	0	0	0	0
Max. Temp. (°C)	25.2	27.2	27.2	29.2
Min. Temp. (°C)	20	16.8	15.9	12
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	96	89	96	91
Relative humidity (%) 1730 hours	87	78	-	-
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 18-12-2024 to 22-12-2024)

Parameter	18.12.2024	19.12.2024	20.12.2024	21.12.2024	22.12.2024
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	27.5	27.4	26.9	26.9	27.2
Min. Temp. (°C)	15.5	16.9	18.2	18.5	18.2
Sky condition (Octas)	6	6	6	6	6
Relative humidity (%) 0830 hours	81	85	92	93	90
Relative humidity (%) 1730 hours	38	44	55	56	47
Wind Speed (kmph)	4	3.4	2.5	1.5	1.4
Wind Direction	63	58	45	14	90

Forecast Summary

As forecast received from IMD, cloudy sky with **no rainfall** may be expected from 18.12.2024 to 22.12.2024 in Kodagu district. The day temperature is expected to be 26.9-27.5°C & night temperature is expected 15.5-18.5°C. The relative humidity in the morning hours is expected to be 81-93% & afternoon relative humidity is expected to be in the range of 38-56%. Wind speed expected to be 1.5-4 km/ hr.

SMS Advisory

"No rainfall expected (18-22 Dec). Farmers can harvest paddy, turmeric, ginger, cardamom, and coffee. Ensure proper drying and storage to avoid moisture damage."

Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
<ol style="list-style-type: none"> Harvesting: With no rainfall, farmers can harvest crops like paddy, turmeric, ginger, cardamom, and coffee. Ensure proper drying and storage to avoid quality loss due to moisture. Crop Protection: Low temperatures may lead to dew formation, increasing the risk of fungal diseases in crops like black pepper, banana, and arecanut. Monitor crops and apply recommended fungicides if necessary. Livestock Care: Protect animals from cold weather by providing dry and warm shelters. Offer adequate feed, clean water, and mineral supplements to maintain their health. Horticultural Crops: Monitor fruits and vegetables for pests and diseases due to temperature variations. Regularly irrigate crops like banana, arecanut, and coconut to maintain soil moisture. Sericulture Advisory: Maintain optimum room temperature for silkworm rearing by using heaters if needed. Provide proper ventilation to avoid excessive humidity. 			

Crop	Stage	Advisory (Including Pest and Disease Control Measures)
Paddy	Harvesting	Take advantage of dry weather to harvest. Dry the grains thoroughly under sunlight to avoid fungal growth caused by morning dew.
Coffee	Harvest stage	Harvest ripe berries during dry hours. Avoid morning harvesting when moisture levels are high to prevent fungal infections.
Black Pepper	Berry development	Monitor for fungal diseases like anthracnose due to morning dew. Ensure proper ventilation in plantations.
Arecanut	Nut development to harvesting	Harvest matured nuts. Apply mulch around the base to conserve soil warmth and moisture.
Coconut	Nut development	Light irrigation is recommended. Mulch around the basins to protect roots from cold stress.
Cardamom	Harvesting	Harvest matured capsules during the day. Dry them properly to prevent fungal infection due to dew exposure.
Banana	Bunch development	Protect banana bunches from cold stress using bunch covers. Provide light irrigation to maintain soil moisture.
Ginger and Turmeric	Harvesting	Harvest rhizomes during dry weather. Cure and dry them properly to avoid quality loss caused by cold and moisture.

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 18-12-2024 to 22-12-2024)**Madikeri**

Parameter	18.12.2024	19.12.2024	20.12.2024	21.12.2024	22.12.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	24.8	26.4	26.1	25.5	23.5
Min.Temp (°C)	19	17.4	16	15.8	17.2
Sky condition (Octas)	8	3	4	7	8
Relative humidity (%) 0830 hours	90.7	89.4	89.3	87.1	91.9
Relative humidity (%) 1730 hours	59.6	47.2	36.2	43.4	64.6
Wind Speed (kmph)	10.5	7.2	7.4	5.2	6.1
Wind Direction	74	63.4	60.9	56.3	45

Somvarpet

Parameter	18.12.2024	19.12.2024	20.12.2024	21.12.2024	22.12.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	24.5	26.2	25.9	25.2	23.5
Min.Temp (°C)	18.8	17.1	15.7	15.5	16.9
Sky condition (Octas)	8	2	4	8	8
Relative humidity (%) 0830 hours	88.6	89.5	89.2	86.7	89.8
Relative humidity (%) 1730 hours	60.7	46.9	37.9	45.4	63.4
Wind Speed (kmph)	10.8	8.6	7.9	5.8	6.3
Wind Direction	0	92.4	92.6	82.9	66.4

Virajpet

Parameter	18.12.2024	19.12.2024	20.12.2024	21.12.2024	22.12.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	26.7	28.5	28	27.2	25.4
Min.Temp (°C)	20	18.5	17.2	16.9	18.4
Sky condition (Octas)	7	2	4	8	8
Relative humidity (%) 0830 hours	88.6	81.6	84.7	85.4	92.9
Relative humidity (%) 1730 hours	54.1	43	32.3	40.3	62.9
Wind Speed (kmph)	10	7.8	8.8	6.6	6.1
Wind Direction	64.3	56.3	55	49.4	40.2

- 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

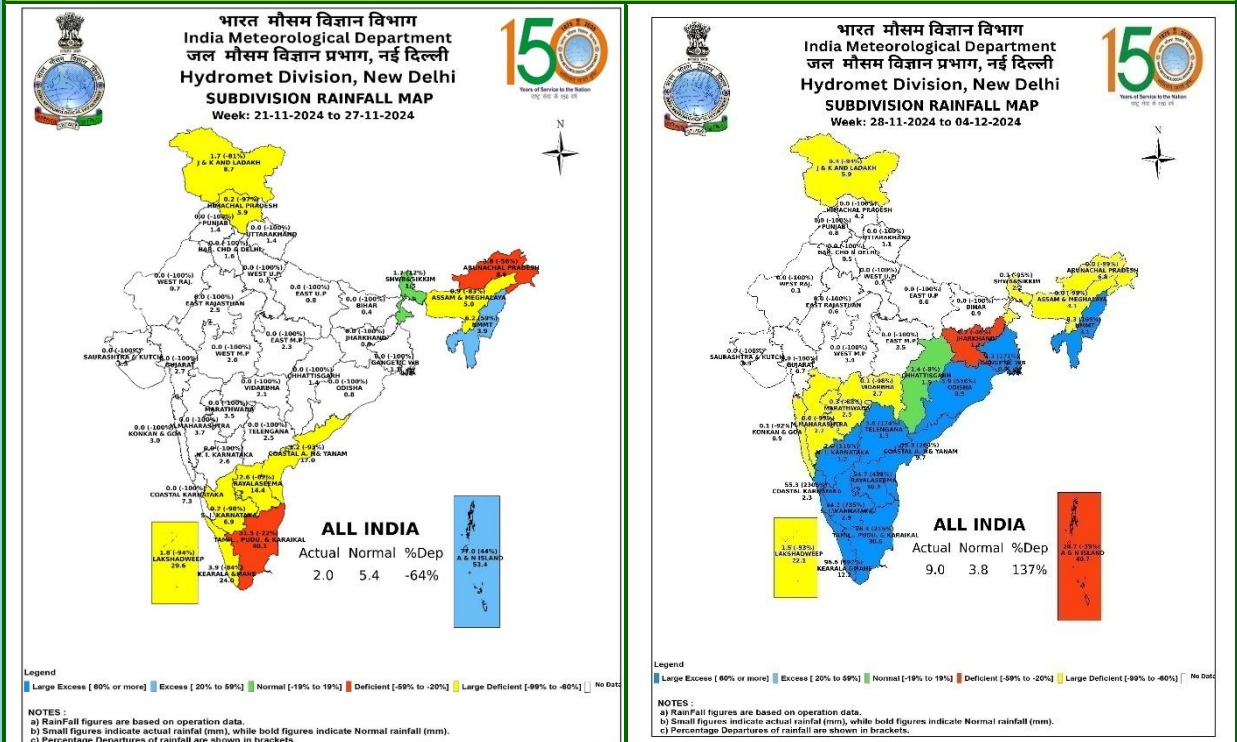
For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/ **Dr. SumanthKumar.G.V**, Technical officer over phone No. 0821-259126/ 9535345814.

AMFU of IMD,

Naganahalli, Mysuru

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

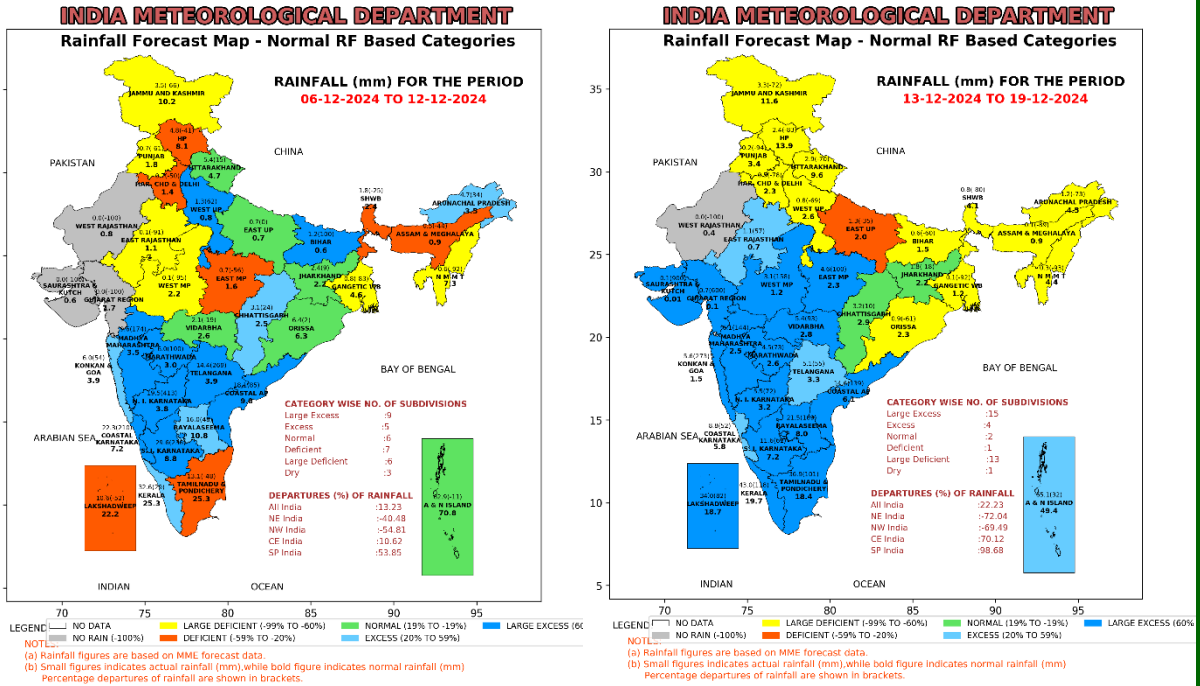
Realized Rainfall
 (21th November to 4th December, 2024)



- Normal or above normal rainfall occurred in both the weeks over Nagaland Manipur Mizoram & Tripura (NMMT).
- Normal or above normal rainfall occurred in either of the two weeks over West Bengal & Sikkim, Odisha, Chhattisgarh, Telangana, Andhra Pradesh & Yanam, Karnataka, Kerala & Mahe, Tamil Nadu Puducherry & Karaikal and Andaman & Nicobar Islands.
- Below Normal rainfall/no rain occurred in both the weeks over rest of the States & UTs.

Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 4th December,2024) (6thto 19th December, 2024)



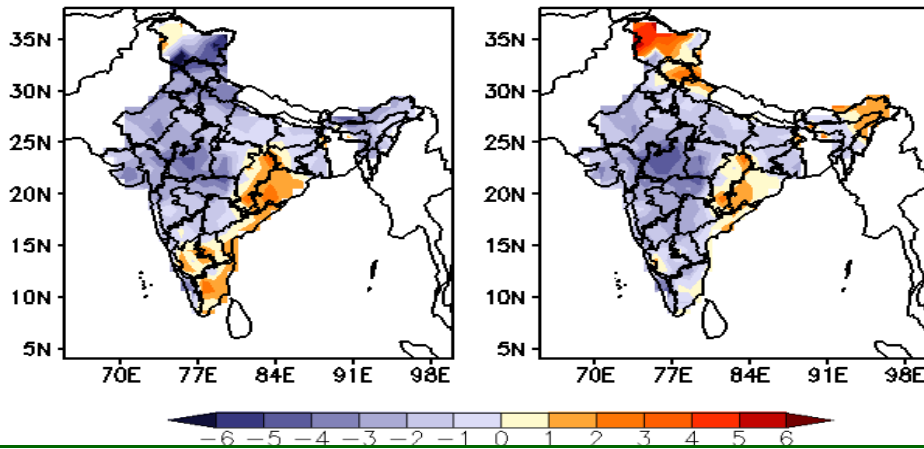
- **Week1(06.12.2024 to 12.12.2024):**Rainfall is likely to be above normal over Karnataka.
- **Week 2 (13.12.2024 to 19.12.2024):**Rainfall is likely to be above normal over Kerala and Tamil Nadu.

**Maximum and Minimum temperature anomaly (°C) forecast
for the next 2 weeks (IC- 4th December,2024)
(6thto 19th December, 2024)**

MME forecast Tmax anomaly (Deg C)

(Week1: 06Dec–12Dec)

(Week2: 13Dec–19Dec)



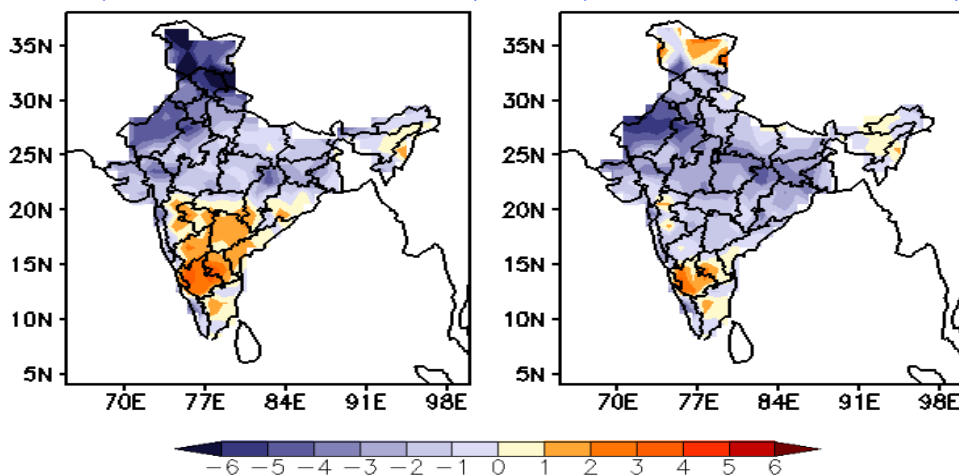
Maximum Temperature (Tmax)

- **Week 1 (06.12.2024 to 12.12.2024):**Maximum temperature is likely to be below normal over many parts of Northwest India, westcentral India, Northeast India and some parts of East India. It is likely to be above normal over Odisha and many parts of south India.
- **Week 2 (13.12.2024 to 19.12.2024):**Maximum temperature is likely to be above normal over most parts of the country except Jammu & Kashmir, Himachal Pradesh, Odisha and some parts in Northeast India.

MME forecast Tmin anomaly (Deg C)

(Week1: 06Dec–12Dec)

(Week2: 13Dec–19Dec)



Minimum Temperature (Tmin)

- **Week 1 (06.12.2024 to 12.12.2024):** Minimum temperature is likely to be below normal over Northwest India, Central India and parts of Northeast India. It is likely to be above normal over parts of peninsular India.
- **Week 2 (13.12.2024 to 19.12.2024):** Minimum temperature is likely to be below normal over most parts of the country. It is likely to be above normal over parts of Karnataka and Jammu & Kashmir.