

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



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



Date:10-12-2024

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	07.12.2024	08.12.2024	09.12.2024	10.12.2024
Rainfall (mm)	0	0	0	0
Max. Temp. (°C)	30.6	30.2	29.1	30.1
Min. Temp. (°C)	17.6	19.3	20.1	20.3
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	98	97	97	97
Relative humidity (%) 1730 hours	-	-	-	-
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 11-12-2024 to 15-12-2024)

Parameter	07.12.2024	08.12.2024	09.12.2024	10.12.2024	11.12.2024
Rainfall (mm)	2	0	5	15	0
Max. Temp. (°C)	27.7	27.2	25.6	24.2	26.2
Min. Temp. (°C)	18.2	18.9	19.2	19.6	18.6
Sky condition (Octas)	6	6	7	8	6
Relative humidity (%) 0830 hours	89	88	88	87	87
Relative humidity (%) 1730 hours	46	49	57	65	53
Wind Speed (kmph)	4.7	6.5	7.6	8.6	7.5
Wind Direction	67	71	71	75	73

Forecast Summary

As forecast received from IMD, cloudy sky with **light rainfall** may be expected from 07.11.2024 to 11.12.2024 in Kodagu district. The day temperature is expected to be 24.2-27.7°C & night temperature is expected 18.2-19.6°C. The relative humidity in the morning hours is expected to be 87-89% & afternoon relative humidity is expected to be in the range of 46-65%. Wind speed expected to be 4.7-8.6 km/ hr.

SMS Advisory

Farmers should complete the harvesting of mature crops like paddy, coffee, and cardamom before the expected rainfall to prevent quality loss. Ensure proper drainage in fields and postpone fertilizer or pesticide applications until the weather improves to avoid runoff and wastage.

Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
<ol style="list-style-type: none"> 1. Complete the harvesting of crops like paddy, coffee, cardamom, ginger, and turmeric during dry intervals to prevent quality loss from rainfall on 13th and 14th December. 2. Ensure proper drainage in all fields, especially for black pepper, arecanut, and coconut, to avoid waterlogging and root diseases. 3. Stake banana plants to protect against wind damage and remove dried leaves to reduce pest habitats. 4. Postpone fertilizer and pesticide applications until after the rainy period, ensuring their effectiveness and minimizing runoff. 5. Store harvested produce, such as coffee beans and cardamom capsules, in dry, covered spaces to maintain quality. 			

Crop	Stage	Advisory (Including Pest and Disease Control Measures)
Paddy	Harvesting	Harvest immediately before rainfall on 13th and 14th December to avoid grain quality deterioration. Store safely in dry conditions.
Coffee	Harvest stage	Complete harvesting during dry intervals and ensure proper drying of beans under covered spaces.
Black Pepper	Berry development	Maintain adequate drainage around vines and avoid water stagnation to prevent fungal diseases.
Arecanut	Nut development to harvesting	Harvest mature nuts during dry spells. Clear basins around trees to prevent waterlogging.
Coconut	Nut development	Ensure proper drainage around palms to avoid root rot. Apply fertilizers after the rains if required.
Cardamom	Harvesting	Harvest ripe capsules during dry intervals and dry them under rainproof coverings.
Banana	Bunch development	Stake plants securely to prevent lodging due to rain and wind. Remove dried leaves to reduce pest habitats.
Ginger and Turmeric	Harvesting	Harvest mature rhizomes during dry periods and ensure proper curing and drying to maintain quality.

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 07-12-2024 to 11-12-2024)

Madikeri

Parameter	07.12.2024	08.12.2024	09.12.2024	10.12.2024	11.12.2024
Rainfall (mm)	1.3	0	4.6	4.4	0
Max. temp (°C)	26.7	26.5	24.8	23.9	26.1
Min.Temp (°C)	17.9	18.1	18.9	18.7	17.9
Sky condition (Octas)	6	7	8	7	5
Relative humidity (%) 0830 hours	88.9	90.6	87.9	89.8	88.8
Relative humidity (%) 1730 hours	48.4	49.2	58.1	65.7	42.9
Wind Speed (kmph)	4.5	6.1	9.2	9.1	7.2
Wind Direction	61.4	61.9	69.4	71.6	63.4

Somvarpet

Parameter	07.12.2024	08.12.2024	09.12.2024	10.12.2024	11.12.2024
Rainfall (mm)	0.6	0	4.1	3.8	0
Max. temp (°C)	26.6	26.2	24.2	23.8	25.9
Min.Temp (°C)	17.7	17.9	18.6	18.5	17.7
Sky condition (Octas)	6	7	8	7	4
Relative humidity (%) 0830 hours	88.4	89.1	88.8	90	88
Relative humidity (%) 1730 hours	47.7	49.9	59.8	64.7	42.4
Wind Speed (kmph)	5.1	6.2	9.7	9.7	8.3
Wind Direction	94.1	83.3	87.9	85.8	0

Virajpet

Parameter	07.12.2024	08.12.2024	09.12.2024	10.12.2024	11.12.2024
Rainfall (mm)	1	0	4.3	4.3	0
Max. temp (°C)	28.6	28.4	26.7	26.2	28.1
Min.Temp (°C)	19	19.2	20.2	19.7	19.1
Sky condition (Octas)	6	6	7	7	4
Relative humidity (%) 0830 hours	88.3	87.5	87.3	89.1	85.2
Relative humidity (%) 1730 hours	44.3	45.4	53.5	59.6	40.9
Wind Speed (kmph)	5.4	6.9	9.7	8.5	7.5
Wind Direction	47.7	51.3	63.4	62.3	54.8

- 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

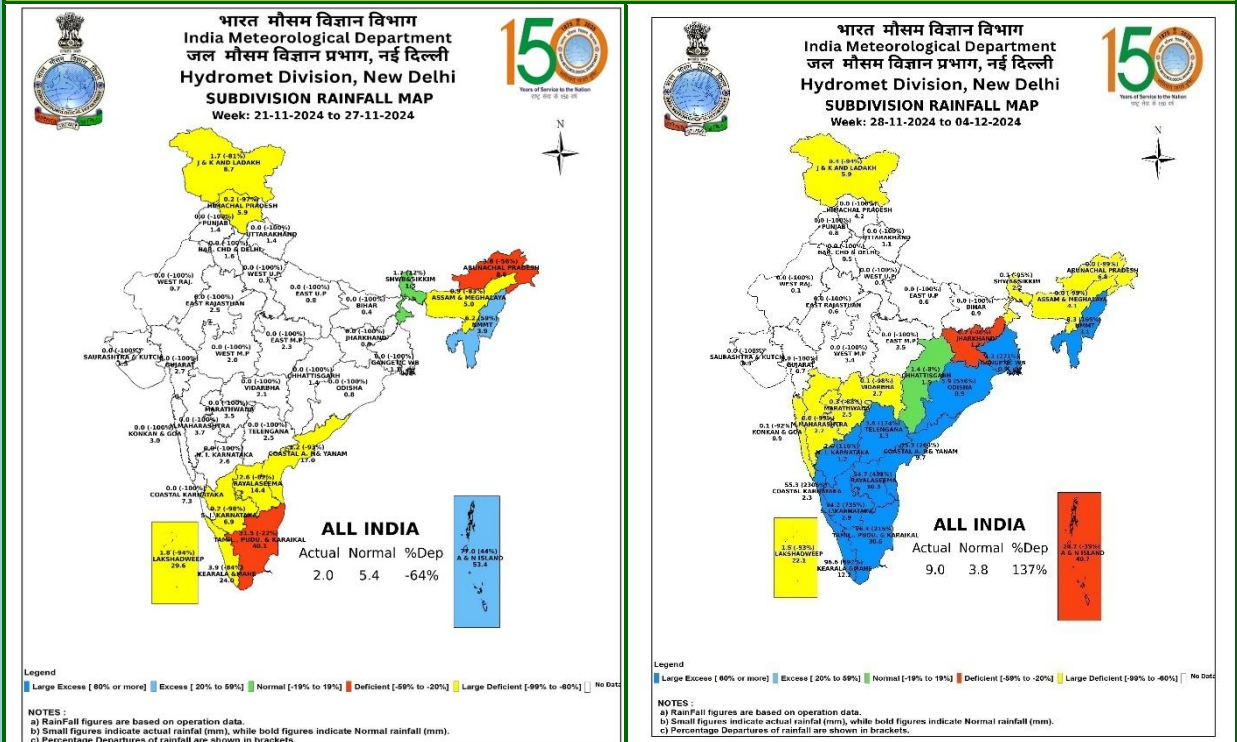
For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/ **Dr. SumanthKumar.G.V**, Technical officer over phone No. 0821-259126/ 9535345814.

AMFU of IMD,

Naganahalli, Mysuru

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

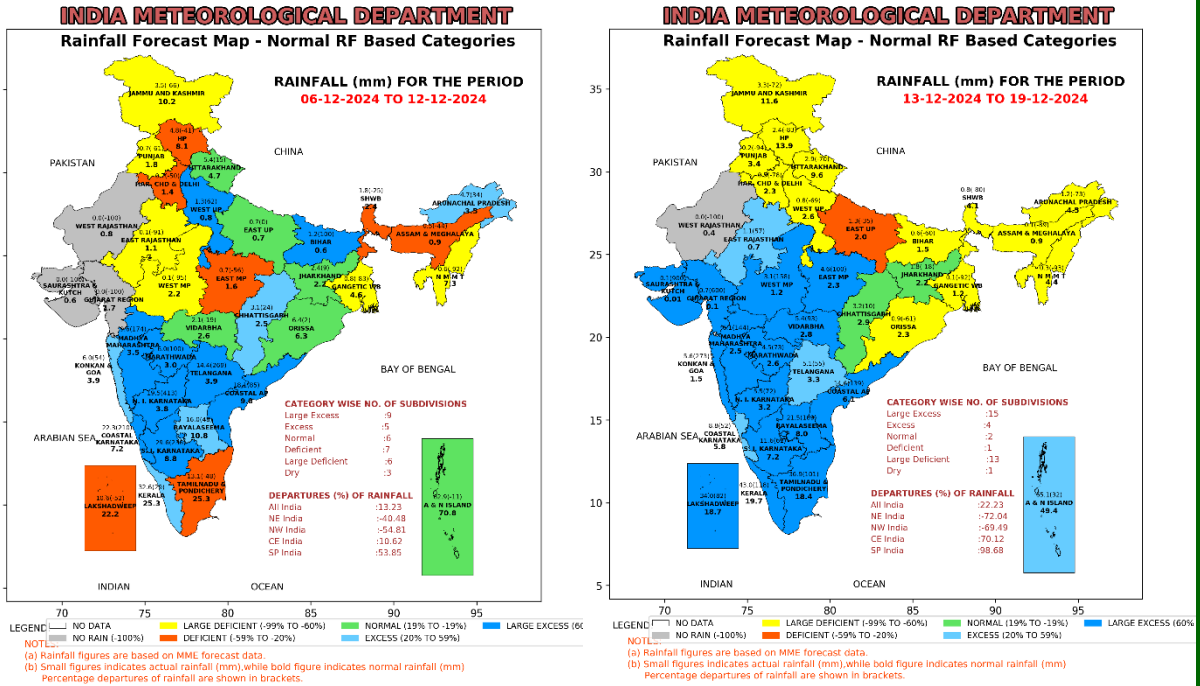
Realized Rainfall
 (21th November to 4th December, 2024)



- 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)



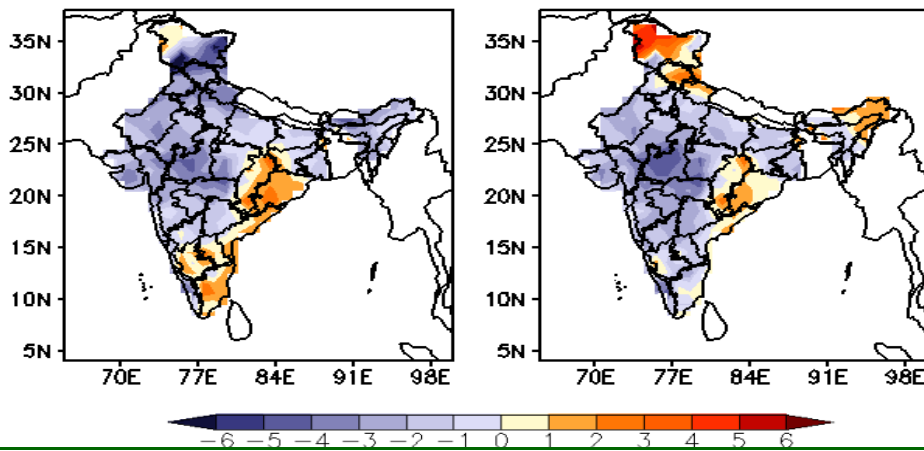
- **Week1(06.12.2024 to 12.12.2024):**Rainfall is likely to be above normal over Karnataka.
- **Week 2 (13.12.2024 to 19.12.2024):**Rainfall is likely to be above normal over Kerala and Tamil Nadu.

**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)



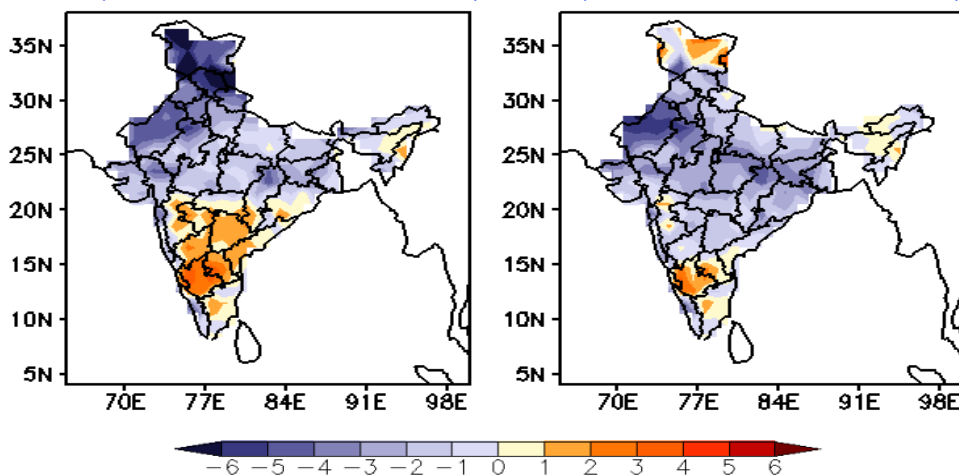
Maximum Temperature (Tmax)

- **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.