

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



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



Date:13-12-2024

**AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Past Weather Data**

<b>Parameter</b>	<b>10.12.2024</b>	<b>11.12.2024</b>	<b>12.12.2024</b>	<b>13.12.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0.5
<b>Max. Temp. (°C)</b>	30.1	28.4	28.6	23.8
<b>Min. Temp. (°C)</b>	20.3	18.4	19.3	20.8
<b>Sky condition (Octas)</b>	-	-	-	-
<b>Relative humidity (%) 0830 hours</b>	97	83	89	96
<b>Relative humidity (%) 1730 hours</b>	-	71	68	99
<b>Wind Speed (km/h)</b>	-	-	-	-
<b>Wind Direction</b>	-	-	-	-

**Weather forecast for the next five days (From 14-12-2024 to 18-12-2024)**

<b>Parameter</b>	<b>14.12.2024</b>	<b>15.12.2024</b>	<b>16.12.2024</b>	<b>17.12.2024</b>	<b>18.12.2024</b>
<b>Rainfall (mm)</b>	1	0	0	0	4
<b>Max. Temp. (°C)</b>	25.7	27.4	26.8	26.1	25.7
<b>Min. Temp. (°C)</b>	19.2	18.1	17.1	16.7	17.4
<b>Sky condition (Octas)</b>	7	3	5	7	8
<b>Relative humidity (%) 0830 hours</b>	89	88	85	82	84
<b>Relative humidity (%) 1730 hours</b>	55	43	39	46	49
<b>Wind Speed (kmph)</b>	8.6	7.6	8.1	6	6.3
<b>Wind Direction</b>	75	71	69	65	59

**Forecast Summary**

As forecast received from IMD, cloudy sky with **light rainfall** may be expected from 04.11.2024 to 18.12.2024 in Kodagu district. The day temperature is expected to be 25.7-27.4°C & night temperature is expected 16.7-19.2°C. The relative humidity in the morning hours is expected to be 82-89% & afternoon relative humidity is expected to be in the range of 39-55%. Wind speed expected to be 6-8.6 km/ hr.

**SMS Advisory**

Farmers can proceed with paddy harvesting during the next four dry days to avoid potential losses from light rainfall expected on 18-12-2024. Ensure harvested produce is dried and stored properly. For other crops, monitor soil moisture levels and consider light irrigation if required, especially as temperatures are moderate.

### Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
<b>General Advisory:</b>			
<ol style="list-style-type: none"> <li><b>Coffee and Black Pepper:</b> Harvest mature coffee berries promptly before the rainfall on 18-12-2024 to maintain quality. For black pepper in the berry development stage, provide support to vines and ensure good drainage around the plants.</li> <li><b>Arecanut and Coconut:</b> Complete harvesting of matured arecanuts during the dry spell. Clean basins around trees to facilitate proper rainwater infiltration from the light rainfall.</li> <li><b>Livestock:</b> Protect livestock from the cool night temperatures (as low as 16.7°C) by providing warm and dry shelters. Supplement their feed with mineral-rich fodder to sustain health during the temperature fluctuations.</li> <li><b>Poultry:</b> Ensure poultry houses are warm at night and ventilated during the day. Regularly check for respiratory infections caused by cooler conditions and maintain dry litter.</li> <li><b>Soil Conservation:</b> Strengthen bunds in hilly areas and repair drains to minimize soil erosion during the rainfall. Mulch around horticultural crops like cardamom to retain soil moisture and regulate temperature.</li> </ol>			

Crop	Stage	Advisory (Including Pest and Disease Control Measures)
Paddy	Harvesting	Harvest during the dry spell (14-12 to 17-12). Dry grains properly to avoid fungal growth from expected rainfall.
Coffee	Harvest stage	Harvest ripe coffee cherries before 18-12 to maintain quality. Ensure proper drying facilities are in place.
Black Pepper	Berry development	Provide support to vines and improve drainage around plants to avoid waterlogging during rainfall.
Arecanut	Nut development to harvesting	Harvest mature nuts during dry days. Clean basins to improve rainwater infiltration on 18-12.
Coconut	Nut development	Monitor for pest infestations like rhinoceros beetles. Mulch basins to retain soil moisture.
Cardamom	Harvesting	Harvest mature capsules during the dry spell to prevent quality loss. Avoid harvesting during rainfall.
Banana	Bunch development	Provide support to prevent lodging due to moderate winds. Mulch around the base for moisture conservation.
Ginger and Turmeric	Harvesting	Complete harvesting during dry days. Ensure rhizomes are cleaned and dried immediately.

### 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**

<b>Parameter</b>	<b>14.12.2024</b>	<b>15.12.2024</b>	<b>16.12.2024</b>	<b>17.12.2024</b>	<b>18.12.2024</b>
<b>Rainfall (mm)</b>	2.1	0	0	0	4.5
<b>Max. temp (°C)</b>	24.8	26.4	26.1	25.5	23.5
<b>Min.Temp (°C)</b>	19	17.4	16	15.8	17.2
<b>Sky condition (Octas)</b>	8	3	4	7	8
<b>Relative humidity (%) 0830 hours</b>	90.7	89.4	89.3	87.1	91.9
<b>Relative humidity (%) 1730 hours</b>	59.6	47.2	36.2	43.4	64.6
<b>Wind Speed (kmph)</b>	10.5	7.2	7.4	5.2	6.1
<b>Wind Direction</b>	74	63.4	60.9	56.3	45

**Somvarpet**

<b>Parameter</b>	<b>14.12.2024</b>	<b>15.12.2024</b>	<b>16.12.2024</b>	<b>17.12.2024</b>	<b>18.12.2024</b>
<b>Rainfall (mm)</b>	1.5	0	0	0	6
<b>Max. temp (°C)</b>	24.5	26.2	25.9	25.2	23.5
<b>Min.Temp (°C)</b>	18.8	17.1	15.7	15.5	16.9
<b>Sky condition (Octas)</b>	8	2	4	8	8
<b>Relative humidity (%) 0830 hours</b>	88.6	89.5	89.2	86.7	89.8
<b>Relative humidity (%) 1730 hours</b>	60.7	46.9	37.9	45.4	63.4
<b>Wind Speed (kmph)</b>	10.8	8.6	7.9	5.8	6.3
<b>Wind Direction</b>	0	92.4	92.6	82.9	66.4

**Virajpet**

<b>Parameter</b>	<b>14.12.2024</b>	<b>15.12.2024</b>	<b>16.12.2024</b>	<b>17.12.2024</b>	<b>18.12.2024</b>
<b>Rainfall (mm)</b>	2.3	0	0	0	6.6
<b>Max. temp (°C)</b>	26.7	28.5	28	27.2	25.4
<b>Min.Temp (°C)</b>	20	18.5	17.2	16.9	18.4
<b>Sky condition (Octas)</b>	7	2	4	8	8
<b>Relative humidity (%) 0830 hours</b>	88.6	81.6	84.7	85.4	92.9
<b>Relative humidity (%) 1730 hours</b>	54.1	43	32.3	40.3	62.9
<b>Wind Speed (kmph)</b>	10	7.8	8.8	6.6	6.1
<b>Wind Direction</b>	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](http://mausam.imd.gov.in)

For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.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)

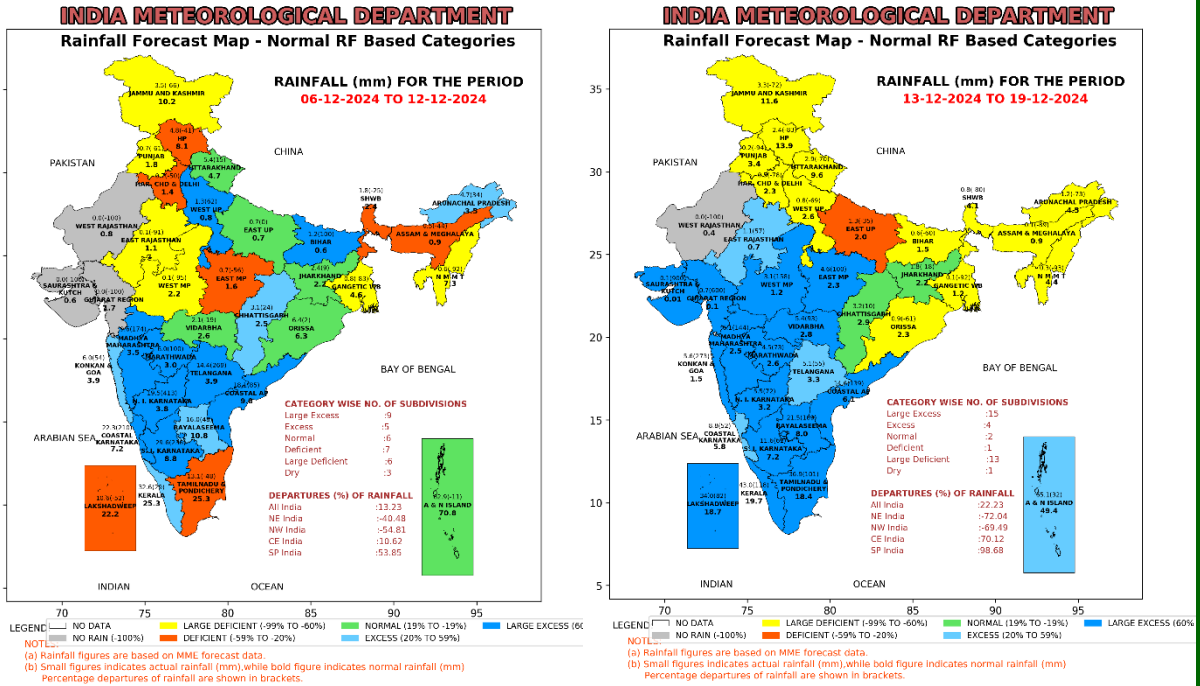
**Realized Rainfall**  
 (21<sup>th</sup> November to 4<sup>th</sup> December, 2024)



- 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- 4<sup>th</sup> December,2024) (6<sup>th</sup>to 19<sup>th</sup> December, 2024)



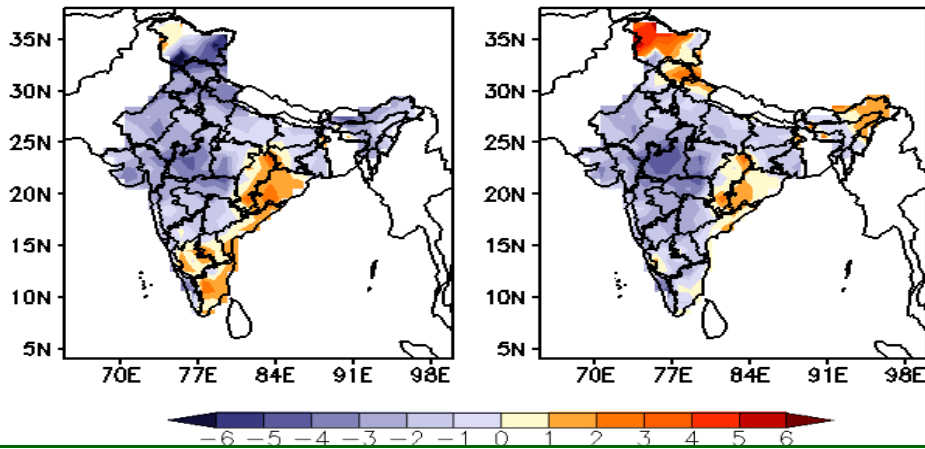
- **Week1(06.12.2024 to 12.12.2024):**Rainfall is likely to be above normal over Karnataka.
- **Week 2 (13.12.2024 to 19.12.2024):**Rainfall is likely to be above normal over Kerala and Tamil Nadu.

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

**MME forecast Tmax anomaly (Deg C)**

(Week1: 06Dec-12Dec)

(Week2: 13Dec-19Dec)



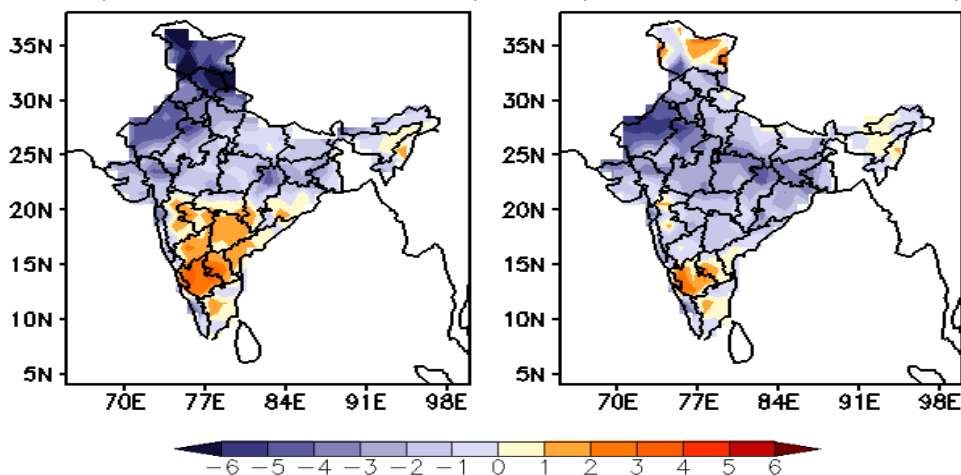
**Maximum Temperature (Tmax)**

- **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.