UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT

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

Date: 02-08-2024

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	30.07.2024	31.07.2024	01.08.2024	02.08.2024
Rainfall (mm)	73	48	30	-
Max. Temp. (°C)	25.5	24.7	27.1	24.4
Min. Temp. (°C)	20.1	20.3	19.8	-
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	100	98	100	
Relative humidity (%) 1730 hours	100	100	100	100
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 03-08-2024 to 07-08-2024)

Parameter	03.08.2024	04.08.2024	05.08.2024	06.08.2024	07.08.2024
Rainfall (mm)	31	42	49	13	13
Max. Temp. (°C)	27.6	28.5	28	28.5	30
Min. Temp. (°C)	16.6	16.9	15.9	16.3	16.6
Sky condition (Octas)	8	8	8	8	7
Relative humidity (%) 0830 hours	96	96	96	96	96
Relative humidity (%) 1730 hours	87	81	87	74	67
Wind Speed (kmph)	8	7	6	7	7
Wind Direction	243	212	204	225	246

Forecast Summary

As forecast received from IMD, cloudy sky with moderate to heavy rainfall may be expected from 03.08.2024 to 07.08.2024 in Kodagu district. The day temperature is expected to be 27.6-30°C & night temperature is expected 15.9-16.9°C. The relative humidity in the morning hours is expected to be 96% & afternoon relative humidity is expected to be in the range of 67-87%. Wind speed expected to be 7-8 km/ hr.

Crop/Activity	Advisory	
General	✓ Monitor weather updates regularly. ✓ Ensure proper drainage in fields to prevent waterlogging and soil erosion. ✓ Delay harvesting of moisture-sensitive crops until heavy rainfall subsides. ✓ Store harvested produce in a safe, dry place to prevent spoilage. ✓ Strengthen embankments and bunds in fields to prevent soil erosion. ✓ **Weather Monitoring**: Keep an eye on weather forecasts to anticipate heavy rains and prepare accordingly. ✓ **Field Inspection**: Regularly inspect fields for signs of waterlogging and take timely actions. ✓ **Pest and Disease Vigilance**: Waterlogged conditions can lead to an increase in pests and diseases. ✓ Monitor crops closely and use appropriate control measures.	
Coffee	Berry Development	✓ Postpone pruning and shade management activities during heavy rainfall. ✓ Apply fungicides to prevent fungal diseases like coffee leaf rust. ✓ Ensure good drainage around coffee plants to prevent root rot. ✓ Avoid any fertilizer application during this period to prevent nutrient leaching. ✓ Inspect and repair any damage to coffee plant support structures.
Paddy	Transplanting stage	✓ Ensure fields are properly leveled and have adequate drainage if transplanting. ✓ Plan for a top-dressing of nutrients once heavy rains subside to address nutrient leaching. ✓ Monitor and control pest and disease outbreaks due to high humidity. ✓ Strengthen field bunds to prevent breaches and waterlogging. ✓ Keep irrigation channels clear to facilitate quick drainage of excess water.
Spices (Cardamom, Black Pepper)	Vegetative stage	✓ Apply fungicides to prevent fungal diseases like leaf spot and foot rot. ✓ Ensure support structures for pepper vines are sturdy. ✓ Maintain proper drainage around plants to prevent water stagnation. ✓ Regularly inspect plants for signs of disease and apply control measures promptly. ✓ Avoid water accumulation around the plant base to prevent root diseases.
Vegetables (Tomato, Chilli, Beans)	All stages	✓ Avoid planting new seedlings during this period. ✓ Use appropriate fungicides to protect crops from fungal diseases. ✓ Ensure stakes and other support structures for plants like tomatoes are secure. ✓ Harvest any mature vegetables before the onset of heavy rains to prevent loss. ✓ Protect young plants with temporary coverings to shield them from heavy rainfall.
Fruit Crops (Banana, Papaya)	Fruit development stage	✓ Provide support to young plants and banana pseudostems to prevent them from falling due to high winds. ✓ Ensure good drainage around plants to prevent waterlogging. ✓ Apply fungicides to prevent fungal diseases.

		✓ Harvest mature fruits to avoid damage from heavy rain and high winds. ✓ Use windbreaks or barriers to protect plants from strong winds.
Livestock	✓ Ensure animals have access to dry and warm shelter during heavy rains. ✓ Protect feed and water sources from contamination. ✓ Monitor livestock for signs of illness or disease due to wet conditions and seek veterinary advice if needed. ✓ Keep livestock areas clean and dry to prevent the spread of diseases. ✓ Ensure proper ventilation in animal shelters to reduce humidity and respiratory issues.	
Fisheries	✓ Ensure pond embankments are strong and check for leakage or damage. Monitor water quality regularly as heavy rains can affect pH and oxygen levels. ✓ Adjust feeding schedules based on water quality and fish activity levels. Prevent overflow of ponds by maintaining proper drainage. ✓ Stockpile emergency supplies of feed and medicines for fish.	
Soil and Water Conservation	✓ Implement soil erosion control measures like contour bunding and mulching. ✓ Harvest rainwater for future use, ensuring proper storage facilities. ✓ Construct temporary check dams to slow down runoff and prevent soil erosion. ✓ Use cover crops to protect soil from erosion. ✓ Maintain vegetation along field borders to reduce runoff velocity and capture sediments.	

Block level weather forecast (From 03-08-2024 to 07-08-2024)

Madikeri

Parameter	03.08.2024	04.08.2024	05.08.2024	06.08.2024	07.08.2024
Rainfall (mm)	12.5	22.9	32	6.4	7.2
Max. temp (°C)	25.4	26.6	25.1	26.9	28.4
Min.Temp (°C)	19.2	19.3	19.1	18.9	19.2
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	98	98	98	99	98
Relative humidity (%) 1730 hours	94	91	94	86	76
Wind Speed (kmph)	7	6	5	6	6
Wind Direction	283	252	248	249	288

Somvarpet

Parameter	03.08.2024	04.08.2024	05.08.2024	06.08.2024	07.08.2024
Rainfall (mm)	4.3	11.9	16.3	2.8	4.3
Max. temp (°C)	25.4	25.7	23.6	27.3	28.3
Min.Temp (°C)	17.6	17.7	17.3	17.1	17.4
Sky condition (Octas)	8	8	8	8	7
Relative humidity (%) 0830 hours	95	96	97	97	97
Relative humidity (%) 1730 hours	87	84	90	75	69

Wind Speed (kmph)	13	12	10	11	11
Wind Direction	257	249	248	248	288

Virajpet					
Parameter	**03.08.2024**	**04.08.2024**	**05.08.2024**	**06.08.2024**	**07.08.2024**
Rainfall (mm)	8.1	11.1	21.5	3.1	4.7
Max. temp (°C)	25.8	27.6	24.8	27	28.6
Min.Temp (°C)	20.1	20.2	19.8	20	20.3
Sky condition (Octas)	8	8	8	8	7
Relative humidity (%) 0830 hours	98	98	98	97	98
Relative humidity (%) 1730 hours	93	84	91	80	71
Wind Speed (kmph)	6	6	5	6	6
Wind Direction	248	248	248	248	248

- 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. Sumanth Kumar.G.V**, Technical officer over phone No. 0821-259126/ 9535345814.

AMFU of IMD,

Naganahalli, Mysuru

वास्तविकवर्षातथाविस्तारितअवधिपूर्वानुमान

Realized Rainfall and Extended Range Forecast

(वर्षाऔरतापमान)

(Rainfall and Temperature)

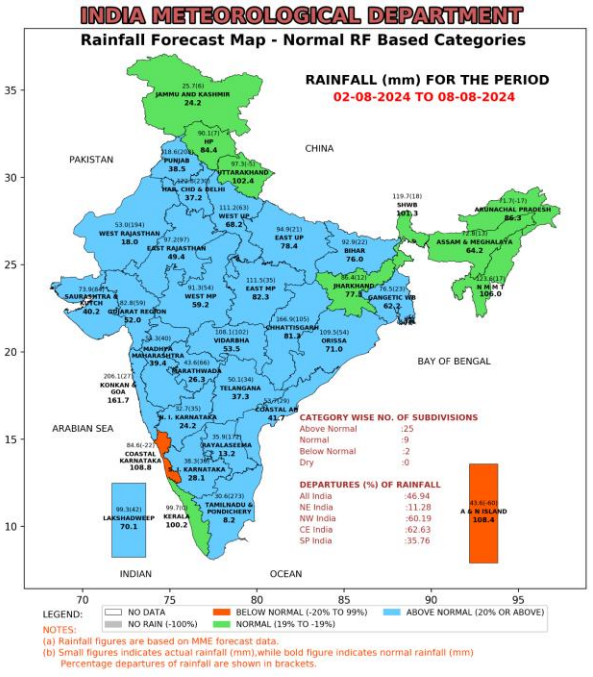
Realized Rainfall

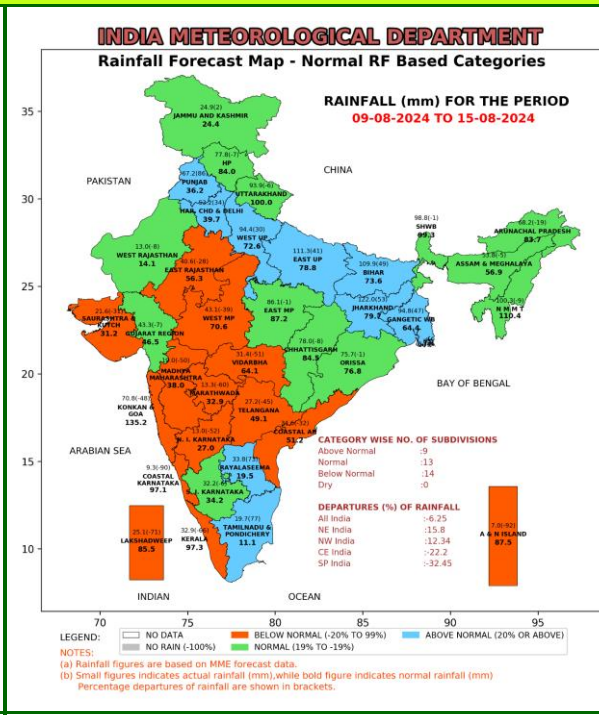
(18th to 31st July,2024)

- Normal or above normal rainfall occurred in both the weeks over Uttarakhand, West Rajasthan, Madhya Pradesh, Chhattisgarh, Odisha, Gujarat Region, Maharashtra, Telangana, Coastal Andhra Pradesh, Karnataka, Kerala & Mahe and Lakshadweep.
- Normal or above normal rainfall occurred in either of the two weeks over Jammu & Kashmir and Ladakh (UTs), Himachal Pradesh, West Uttar Pradesh, Jharkhand, Gangetic West Bengal, Saurashtra & Kutch, East Rajasthan, Rayalaseema and Tamil Nadu Puducherry & Karaikal.
- Below Normal rainfall/no rain occurred in both the weeks over Punjab, Haryana Chandigarh & Delhi, East Uttar Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Arunachal Pradesh, Nagaland Manipur Mizoram & Tripura (NMMT) and Andaman & Nicobar Islands.

Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 31st July, 2024)
(02nd to 15th August, 2024)



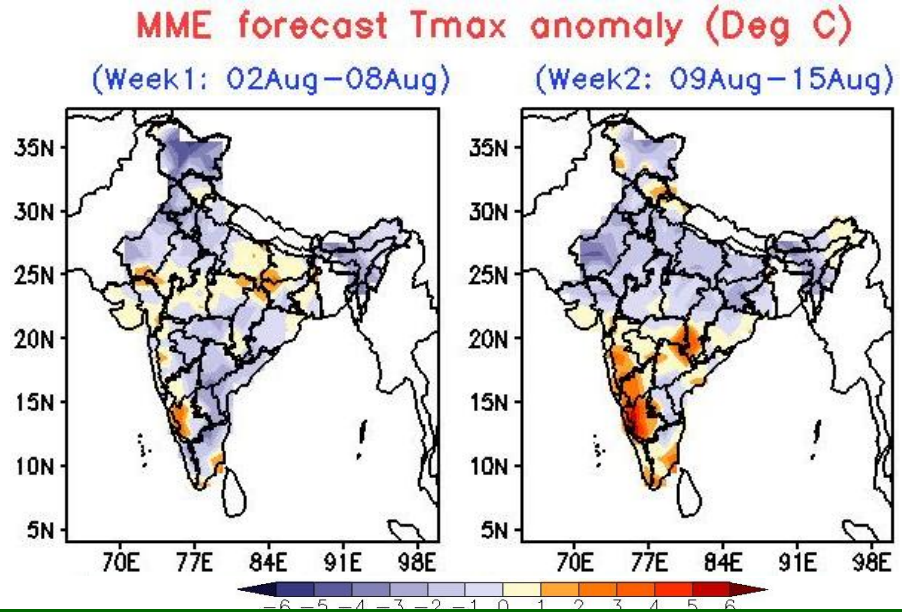


- **Week 1 (02.08.2024 to 08.08.2024):** Rainfall is likely to be above normal over most parts of the country.
- **Week 2 (09.08.2024 to 15.08.2024):**Rainfall is likely to be above normal overNorthwest India and Indo Gangetic Plains.However, it is likely to be below normal over Central India, Northeast India and along West coast.

Maximum and Minimum temperature anomaly (°C) forecast

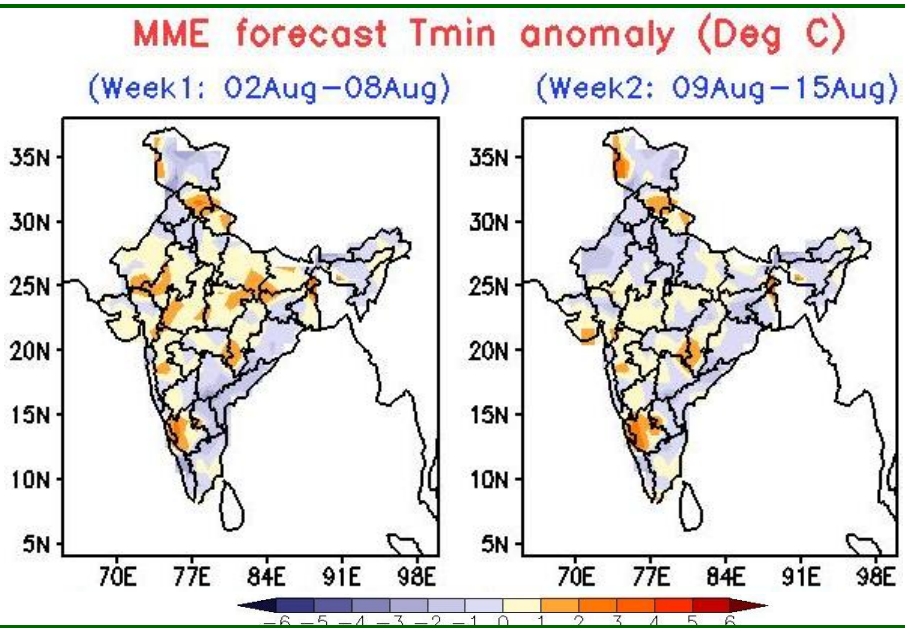
for the next 2 weeks (IC- 31st July, 2024)

(02nd to 15th August, 2024)



Maximum Temperature (Tmax)

- **Week 1 (02.08.2024 to 08.08.2024):**Maximum temperature is likely to be normal to below normal over most parts of the country.
- **Week 2 (09.08.2024 to 15.08.2024):** Maximum temperature is likely to above normal over South India and some parts of Central India. It is likely to be below normal over Northwest India, East India and Northeast India.



Minimum Temperature (Tmin)

- **Week 1 (02.08.2024 to 08.08.2024):** Minimum temperature likely to be slightly above normal over parts of Northwest India, Central India, East India and Karnataka.
- **Week 2 (09.08.2024 to 15.08.2024):** Minimum temperature likely to be slightly above normal over parts of Maharashtra, Madhya Pradesh, Chhattisgarh, Gujarat, Himachal Pradesh and Uttarakhand. It is likely to be above normal over parts of Karnataka.