UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT

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MYSURU - 570003

Date: 06-08-2024

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	03.08.2024	04.08.2024	05.08.2024	06.08.2024
Rainfall (mm)	28.5	2.5	0	6
Max. Temp. (°C)	24	25	27.1	28.1
Min. Temp. (°C)	19.5	20	20	20.8
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	96	91	88	100
Relative humidity (%) 1730 hours	98	98	86	99
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 07-08-2024 to 11-08-2024)

Parameter	07.08.2024	08.08.2024	09.08.2024	10.08.2024	11.08.2024
Rainfall (mm)	9	9	9	9	7
Max. Temp. (°C)	30.8	29.9	31	31.2	29.6
Min. Temp. (°C)	17	15.9	16.6	17	16.8
Sky condition (Octas)	8	8	8	6	8
Relative humidity (%) 0830 hours	94	94	92	95	95
Relative humidity (%) 1730 hours	71	79	61	61	66
Wind Speed (kmph)	8	8	6	7	8
Wind Direction	257	225	214	257	259

Forecast Summary

As forecast received from IMD, cloudy sky with light to moderate rainfall may be expected from 07.08.2024 to 11.08.2024 in Kodagu district. The day temperature is expected to be 29.6-31.2°C & night temperature is expected 15.9-17°C. The relative humidity in the morning hours is expected to be 92-95% & afternoon relative humidity is expected to be in the range of 61-79%. Wind speed expected to be 6-8 km/ hr.

Recommendations to the farmers:

Crop	Pest/Disease	Damage symptoms	Control measures

General Advisory

- **Spraying:** Perform pesticide and fungicide spraying due to moderate wind speeds.
- **Soil Moisture:** Maintain soil moisture through irrigation.
- **Monitoring:** Regularly monitor crops for pests and diseases and take timely action

Crop	Stage	Advisory
Tomato	Ripening	Pest Management: Use spinosad. Monitor and manage fungal diseases.
Ginger, Turmeric & Cabbage	Rhizome development	Ensure proper drainage. Use fungicides if necessary. Mulch to conserve soil moisture.
Pulses (Green gram, Black gram, Cowpea, Avare, Groundnut)	Vegetative	Use neem oil for pest control. Apply nitrogenous fertilizers if yellowing is observed.
Banana	Bunch development	Apply balanced fertilizers. Check for banana stem weevil and use control measures.
Paddy and Ragi	Transplanted	Ensure adequate irrigation and avoid water stagnation. Manual weeding or appropriate herbicides.
Coffee	Berry development	Monitor for leaf rust and use recommended fungicides. Ensure adequate shade.
Maize, Brinjal, Sunflower, Chilli and Cotton	Vegetative	Monitor for aphids, jassids, and whiteflies. Use appropriate insecticides.
Beans	Flowering	Monitor for aphids and bean fly. Use neem-based products. Ensure regular irrigation.
Coconut & Arecanut	-	Use neem oil for rugose whitefly. Remove affected leaves for caterpillar. Use pheromone traps for rhinoceros beetle.
Maize **Fall army worm**	Vegetative stage	Use chlorantraniliprole or Emamectin benzoate for fall armyworm. Regular monitoring.
Tobacco	Harvesting	Ensure proper curing conditions to prevent mold and rot. Avoid harvesting during rainy periods. Handle leaves gently to prevent damage.
Tomato **Fruit borer**	Fruiting	• Caterpillar bore the flower buds and fruits. Infested flower buds with hole and drops off, fruit with a hole, water enter through the hole leads to rotting. • Trap crop: For every 25 rows of tomato grow one row of marigold cultivar African tall. The marigold seedlings about 35-40 days old. If borer problems exceeds10 per cent spray 4 per cent. NSKE or 100 LE, Ha. NPV. If infestation in severe form spray 1.0 g. Methomil 40 SP. in a lit. water
Coconut black headed caterpillar	• Remove and burn the severly affected fronds. • On community basis feed the Manocrotophos 36 SL. to the palm through root. Method: A meter away from trunk, dig out and select brown coloured pencil thickness size root. Cut the root in a slanting	

	position. To the polythene bag (size of 15 cm. length 4 cm. breadth) add 7.5 to 10 ml. Monocrotophos 36 SL. with equal quantity of water, introduce and immerse cut end of the root in insecticide mixture and tie the bag with thread. • The palm absorb the chemical within a period of 24 hours, if not after 48 hours select another root to feed the chemical. • A month after chemial treatment release larval parasites: gravid, Goniozus@ 10 - 12 /palm. **Caution**: Not to harvest tender coconuts/matured coconuts for 30 days from date of chemical treatment.	
Coconut	Rhinoceros beetle	Remove the beetle from infected part and fill 2 % Quinolphos or 5 % Melathion in sand @ 1:1 ratio.
Sericulture	Maintain optimal temperature and humidity in silkworm rearing houses. Provide good ventilation. Use disinfectants to control diseases. Ensure mulberry leaves are clean and disease-free.	
Poultry	Ensure proper ventilation in poultry houses to maintain optimal temperature and humidity. Provide clean drinking water. Vaccinate against common diseases. Keep the poultry shed dry and clean to prevent disease outbreaks.	
Livestock	Ensure clean and dry housing to prevent hoof diseases. Provide adequate clean drinking water. Supplement diet with minerals and vitamins. Regularly check for external parasites and treat accordingly.	

Block level weather forecast (From 07-08-2024 to 11-08-2024)					
Madikeri					
Parameter	**07.08.2024**	**08.08.2024**	**09.08.2024**	**10.08.2024**	**11.08.2024**
Rainfall (mm)	14.3	26.8	4.1	3.6	11.3
Max. temp (°C)	25.7	29.4	27.4	29.5	30.4
Min.Temp (°C)	19.3	19.1	19	19	19.6
Sky condition (Octas)	8	8	8	7	8
Relative humidity (%) 0830 hours	98	98	98	99	98
Relative humidity (%) 1730 hours	91	86	85	73	71
Wind Speed (kmph)	5	7	6	6	6
Wind Direction	291	293	293	291	293

Somvarpet					
Parameter	**07.08.2024**	**08.08.2024**	**09.08.2024**	**10.08.2024**	**11.08.2024**
Rainfall (mm)	10.3	12	3.6	0.9	4.3
Max. temp (°C)	26.4	27.9	25	28.7	29.3
Min.Temp (°C)	17.7	17.4	17.4	17.3	18.2
Sky condition (Octas)	8	8	8	7	8
Relative humidity (%) 0830 hours	97	95	97	97	96
Relative humidity (%) 1730 hours	74	75	84	64	64
Wind Speed (kmph)	9	12	11	11	10
Wind Direction	283	288	270	283	293

Virajpet					
Parameter	**07.08.2024**	**08.08.2024**	**09.08.2024**	**10.08.2024**	**11.08.2024**
Rainfall (mm)	7.7	19.5	1.4	3.9	11.8
Max. temp (°C)	26.1	29.8	29.7	29.4	30.6
Min.Temp (°C)	20.4	20.2	20.3	20.1	20.8
Sky condition (Octas)	8	8	8	7	8
Relative humidity (%) 0830 hours	98	97	95	98	98
Relative humidity (%) 1730 hours	86	81	73	71	68
Wind Speed (kmph)	4	6	6	6	5
Wind Direction	270	249	249	257	283

- 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)

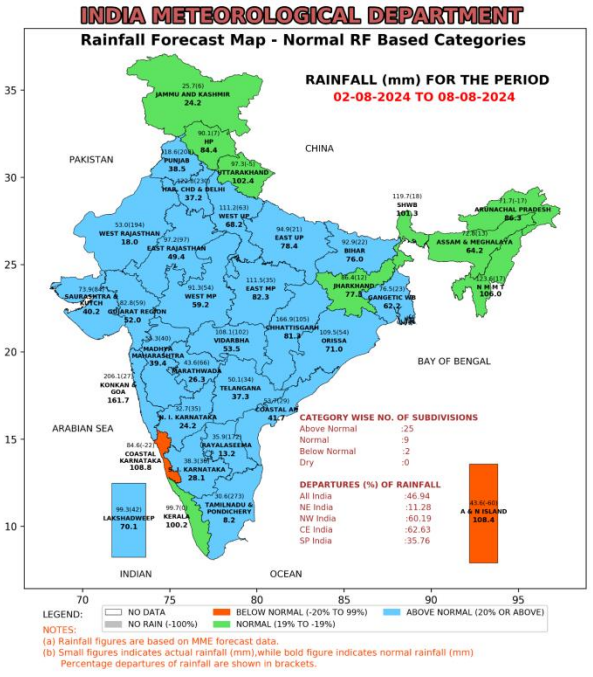
Realized Rainfall

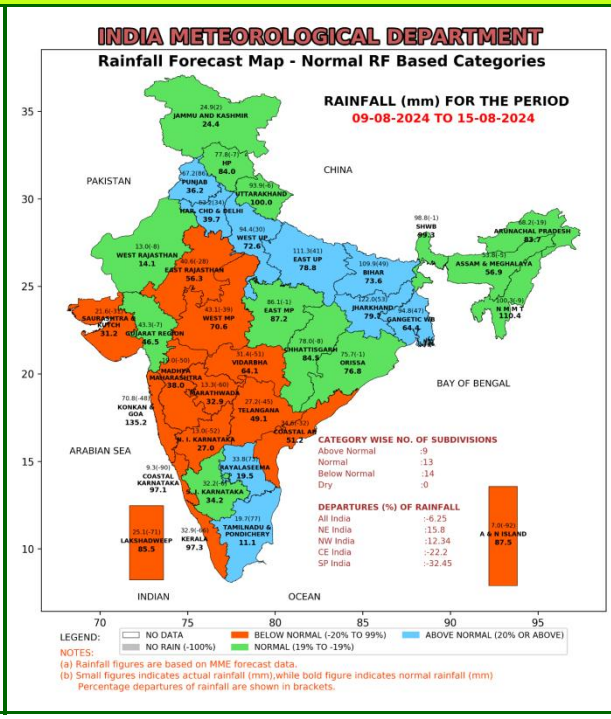
(18th to 31st July,2024)

- 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)



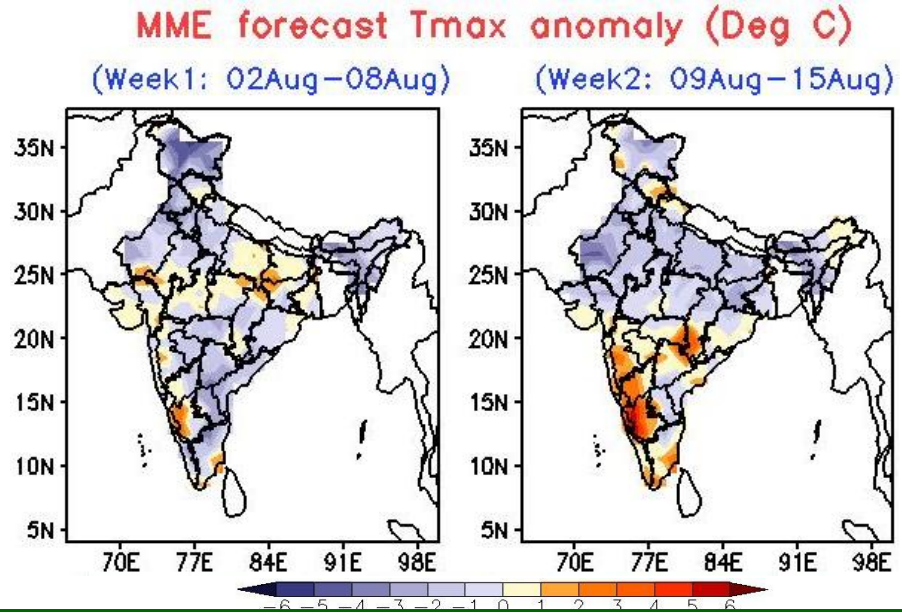


- **Week 1 (02.08.2024 to 08.08.2024):** Rainfall is likely to be above normal over most parts of the country.
- **Week 2 (09.08.2024 to 15.08.2024):**Rainfall is likely to be above normal overNorthwest India and Indo Gangetic Plains.However, it is likely to be below normal over Central India, Northeast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

Maximum and Minimum temperature anomaly (°C) forecast

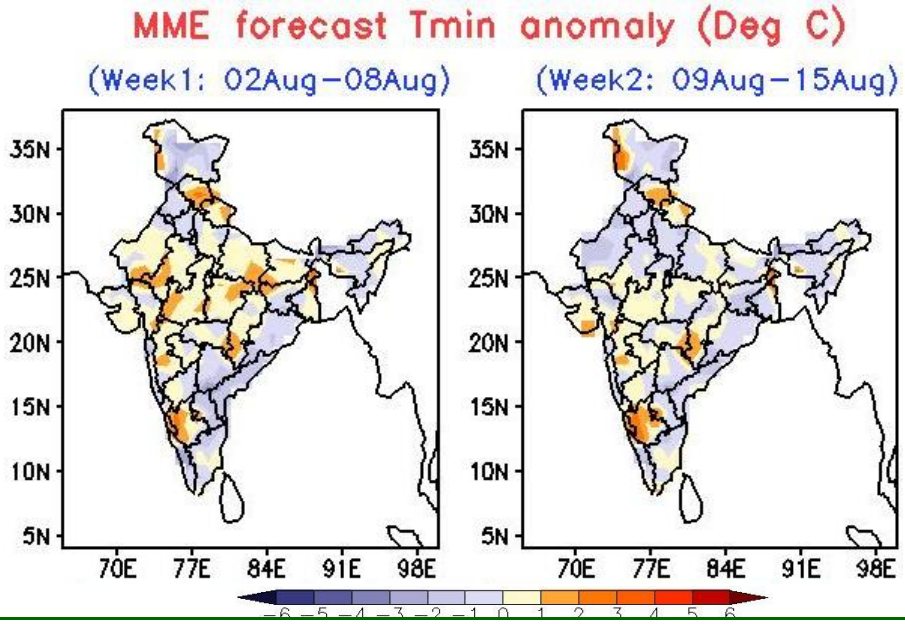
for the next 2 weeks (IC- 31st July, 2024)

(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.