

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



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AMFU, OFRS, NAGANAHALLI,
MYSURU - 570003**



Date: 22-10-2024

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	18.10.2024	19.10.2024	20.10.2024	21.10.2024	22.10.2024
Rainfall (mm)	0	0	14.5	0	0
Max. Temp. (°C)	25.2	28.5	28.7	29.6	29.5
Min. Temp. (°C)	19.5	18.6	20.5	20.6	20.2
Sky condition (Octas)	-	-	-	-	-
Relative humidity (%) 0830 hours	98	100	96	93	100
Relative humidity (%) 1730 hours	100	84	-	-	91
Wind Speed (km/h)	-	-	-	-	-
Wind Direction	-	-	-	-	-

Weather forecast for the next five days (From 23-10-2024 to 27-10-2024)

Parameter	23.10.2024	24.10.2024	25.10.2024	26.10.2024	27.10.2024
Rainfall (mm)	12	18	8	6	4
Max. Temp. (°C)	27.7	26.1	26	25.1	26.5
Min. Temp. (°C)	19.7	19.7	19.7	19.2	18.7
Sky condition (Octas)	6	6	7	6	4
Relative humidity (%) 0830 hours	96.5	94.3	93.1	93.2	91.3
Relative humidity (%) 1730 hours	61.1	69.2	60.6	62.9	47
Wind Speed (kmph)	1.6	0.8	0.4	0.5	0.4
Wind Direction	63.4	63.4	90	45	90

Forecast Summary

As forecast received from IMD, cloudy sky with **light to moderate rainfall** may be expected from 23.10.2024 to 27.10.2024 in Kodagu district. The day temperature is expected to be 25.1-27.7°C & night temperature is expected 18.7-19.7°C. The relative humidity in the morning hours is expected to be 91.3-96.5% & afternoon relative humidity is expected to be in the range of 47-69.2%. Wind speed expected to be 0.4-1.6 km/ hr.

Recommendations to the farmers:			
Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
• Drainage Management: Ensure proper drainage in fields to avoid waterlogging due to light to moderate rainfall, especially for crops like paddy, turmeric, and horticultural crops. • Pest and Disease Monitoring: High humidity and rainfall can lead to fungal diseases and pest outbreaks. Regularly monitor crops like black pepper, chilli, and redgram for issues like fungal infections and pod borers. • Livestock Care: Provide adequate shelter for livestock and ensure dry bedding to prevent health issues from damp conditions. Keep feeding areas clean and dry.			
Finger millet : Indaf-7, Indaf-9, KMR-301, GPU-45 Rabi Maize : M-35-1, Nose (5-4-1), CSH-10 Paddy : MSN-99 Maize : Hema, Nityashree, MAH-14-5 Popcorn : Amber Sunflower: KBSH-41, KBSH-42, KBSH-44, KBSH53, KBSH-78, KBSH-85 Soybean: MAUS-2 (Praja), Karune (Vegetable Soybean), KBS-23, KBSH-85 Niger: KBN-1, No-71 Safflower: Annigere-1, NARI-6, A-2 Field bean: HA-3, 4 Chickpea: Annigere-1, JG-11, Vishal, KAK-2 Sugarcane: Co-62175, Co-86032 (Nayana), CoVC-99463 (Vishal), Co-8371 (Bhima), VCF-0517 (Bahubali), CoVC-18061 Amaranthus: KBGA-15 Horticulture Crops: Grapes, Banana, Arecanut, Garlic, Garden pea, Carrot, Tomato, Potato, Brinjal, Chilli, Cauliflower, Radish, cabbage, Knol Khol Fodder crops: Maize : African Tall Maize: MP Chari, Pusachari, JS-3, GS-20, COFS-29 Bajra: Dhina Bandhu- 49A Cowpea: KBC-2, Lucerne: RL-88			

Weather based advisory		
Crop	Stage	Advisory
Red gram wilt	Flowering to pod initiation stage	Light to moderate rainfall is beneficial. Ensure adequate drainage to prevent waterlogging. Monitor for pests like pod borer and apply control measures if needed.
Maize	Vegetative stage	Light rainfall will help with moisture. Apply top-dress nitrogen fertilizers if necessary. Avoid irrigation. Monitor for stem borer or fall armyworm.
Paddy	Vegetative	Maintain proper water levels in fields. Light to moderate rainfall will support growth, but ensure there's no waterlogging. Apply fertilizer as per the schedule.

Chilli	Fruit development stage	Ensure the field has proper drainage to avoid fruit rots due to moderate rainfall. Inspect for thrips or fruit borers. Provide staking to support plants.
Ragi	Tillering stage	Light rainfall is beneficial, but ensure fields are well-drained to prevent waterlogging. Top-dress fertilizers can be applied based on crop requirements.
Field bean	Pod initiation	Light to moderate rainfall is favorable. Monitor for pod borers and aphids. Avoid irrigation during rainy periods.
Banana	Fruit development stage	Moderate rainfall is favorable for fruit development. Ensure plants are supported with staking to prevent wind damage. Maintain adequate drainage.
Turmeric, Ginger	Rhizome development stage	Moderate rainfall will support rhizome growth, but ensure proper drainage to avoid rot. Apply appropriate fertilizers and monitor for leaf spot diseases.
Black pepper	Berry development stage	Maintain proper drainage. The humidity is high, so monitor for fungal diseases like Phytophthora. Use preventive fungicide sprays if necessary.
Coffee	Berry development stage	The forecasted rainfall and temperature are favorable. Monitor for berry borer and fungal infections. Shade regulation and adequate drainage are important.
Horticultural crops	Various stages	Ensure adequate drainage across all crops to prevent root damage. Moderate rainfall will support growth. Monitor for fungal infections and pests.
Livestock	Shelter and Feeding	Provide shelter to protect from rains and fluctuating temperatures. Ensure dry bedding for animals. Adjust feeding according to reduced pasture availability.
Sericulture	Rearing Stage	Maintain optimal temperature and humidity inside the rearing house. Keep mulberry leaves dry during feeding to avoid diseases like flacherie due to high moisture.

Recommendation to farmers		
Crop specific advisory:		
Crop	Stage	Advisory
Red gram wilt	Flowering to pod initiation stage	5.0 g. Trichoderma viridae OR 3.0 g. Carbendazim + Mancozeb 75 WP.then sown. In wilt endemic areas before sowing enriched Trichoderma FYM incorporated to soil OR Sow wilt resistant red gram variety BRG 5 or Maruthi (ICP 8863).
Red gram Sterility mosaic	Flowering to pod initiation stage	Pull out the infested plants and destroy. 20 - 25, 40 - 45 days after sowing spray 2.5 ml. Dicofol 18.5 EC./lit. water. ICP 7035 sterility mosaic resistant red gram variety.
Maize fall army worm	Cob development stage	Apply insecticides such as Spinosad, Emamectin benzoate, or Chlorantraniliprole to control larvae.
Banana Leaf spot (Cigatoka)	Fruit development	In endemic areas grow resistant banana variety - Sakkare bale. At the time of planting the rhizomes may treated with any one of the Fungicides /lit. water

		a) Propiconazole 25 EC.- 1.0 ml. b) Thiophenate methyl 70 Wdiv.- 1.0 g. c) Carbendazim 50 Wdiv.- 1.0 g. d) Metham Sodium (Vapom) - 1.0 g. In Mashy area provide drainage.
Field bean pod borer	Pod development	Dust 10 kg. Fenvalrate 0.4 D. OR Malathion 5 D. per acre during morning hours.
Field bean and cowpea Aphids	Pod development	Spray Dimethoate 30 EC. @ 1.75 ml./lit. water.
Paddy Leaf folder	Panicle initiation stage	Apply any one of the following insecticides per lit. water a) Quinalphos 25 EC. - 2.0 ml. b) Indoxacarb 14.5 SC. - 0.5ml. c) Flubendiamide 48 SC. - 0.08ml. d) Flubendiamide 20 WG. - 0.2 g. Drain out the water and spray the insecticide. 250 - 300 lit. spray mixture requires per acre.
Paddy leaf and neck blast	Panicle initiation stage	> Seed treatment: Treat the seeds @ 4 g. Carbendazim 50 WP. or Tricyclazole 75 WP. @ 0.6 g./kg. seed. Nursery spray > When seedlings are 10 -12 days old spray any one of the following fungicides to a lit. water. a) Carbendazim 50 WP. - 1.0 g. b) Tricyclazole 75 WP. - 0.6 g. c) Edifenphos 50 EC. - 1.0 ml. d) Kitazin 48 EC. - 1.0 ml. 20 - 25 days after transplanting if disease incidence above 5 per cent sprays any one fungicide mention above. If necessary spray at flowering stage. 200 - 300 lits. spray solution/acre.
Paddy Bacterial leaf blight	Panicle initiation stage	25 and 50 DAT add 0.5 g. Streptocycline and 2.5 g. Copper oxychloride 50 WP for a lit. Water and spray. 200 to 250 lit. Spray mixture requires/acre/time.
Coconut black headed caterpillar	Various stages	- Remove and burn the severely affected fronds. - On community basis feed the Monocrotophos 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 chemical 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.
Ginger Rhizome rot	Rhizome development stage	2.0 g. Metalaxyl - MZ 72Wdiv. in a lit. water. Before store of seed material soak them in 3.0 g. Mancozeb 75 Wdiv. in a lit. water for 30 min then dry in shade and store.

Pepper Quick wilt and black rot disease	Berry development stage	Drench 10 lit. fungicide mixture/vine viz., 0.125 per cent Metalaxyl - MZ 72Wdiv. OR 2 per cent Copper oxychloride 50 Wdiv. Spray any one of the following fungicide in the month of August - September. Fungicides a)1% Boardeaux mixture + 3 % Potassium phosphonate b)1% Pseudomonas fluorescense. Incorporate Trichogramma (50 g) enriched compost (5 kg.) to the base of the vine.
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Block level weather forecast (From 23-10-2024 to 27-10-2024)					
Madikeri					
Parameter	23.10.2024	24.10.2024	25.10.2024	26.10.2024	27.10.2024
Rainfall (mm)	17.1	21	9	11.3	2.7
Max. temp (°C)	27.7	25.7	25.7	25.8	26.4
Min.Temp (°C)	19.1	19.5	19.1	18.7	18.4
Sky condition (Octas)	7	7	7	5	4
Relative humidity (%) 0830 hours	96.3	95.9	95.5	95.5	94.9
Relative humidity (%) 1730 hours	63.2	69	61	57.5	48.6
Wind Speed (kmph)	1.6	1.3	0.8	0.4	2
Wind Direction	63.4	33.7	296.6	0	315

Somvarpet					
Parameter	23.10.2024	24.10.2024	25.10.2024	26.10.2024	27.10.2024
Rainfall (mm)	15.8	20	6.9	11.1	1.7
Max. temp (°C)	27.4	25.8	25.8	25.8	26
Min.Temp (°C)	19	19.2	18.9	18.4	18.2
Sky condition (Octas)	7	7	7	6	5
Relative humidity (%) 0830 hours	96.4	95	94.7	94.8	94
Relative humidity (%) 1730 hours	63.4	67.8	59.8	58.7	50
Wind Speed (kmph)	1.8	1.4	1.1	0	1.8
Wind Direction	0	0	288.4	0	306.9

Virajpet					
Parameter	23.10.2024	24.10.2024	25.10.2024	26.10.2024	27.10.2024
Rainfall (mm)	9.2	18.8	9	12.8	4.4

Max. temp (°C)	28.9	27.4	27	27	27.9
Min.Temp (°C)	20.2	20.6	20.1	19.8	19.5
Sky condition (Octas)	7	7	6	5	5
Relative humidity (%) 0830 hours	97.9	95	92.5	92.9	92.2
Relative humidity (%) 1730 hours	61.6	64.2	60.2	56	49.5
Wind Speed (kmph)	2	2.1	1.1	1	1.8
Wind Direction	45	30.9	18.4	45	11.3

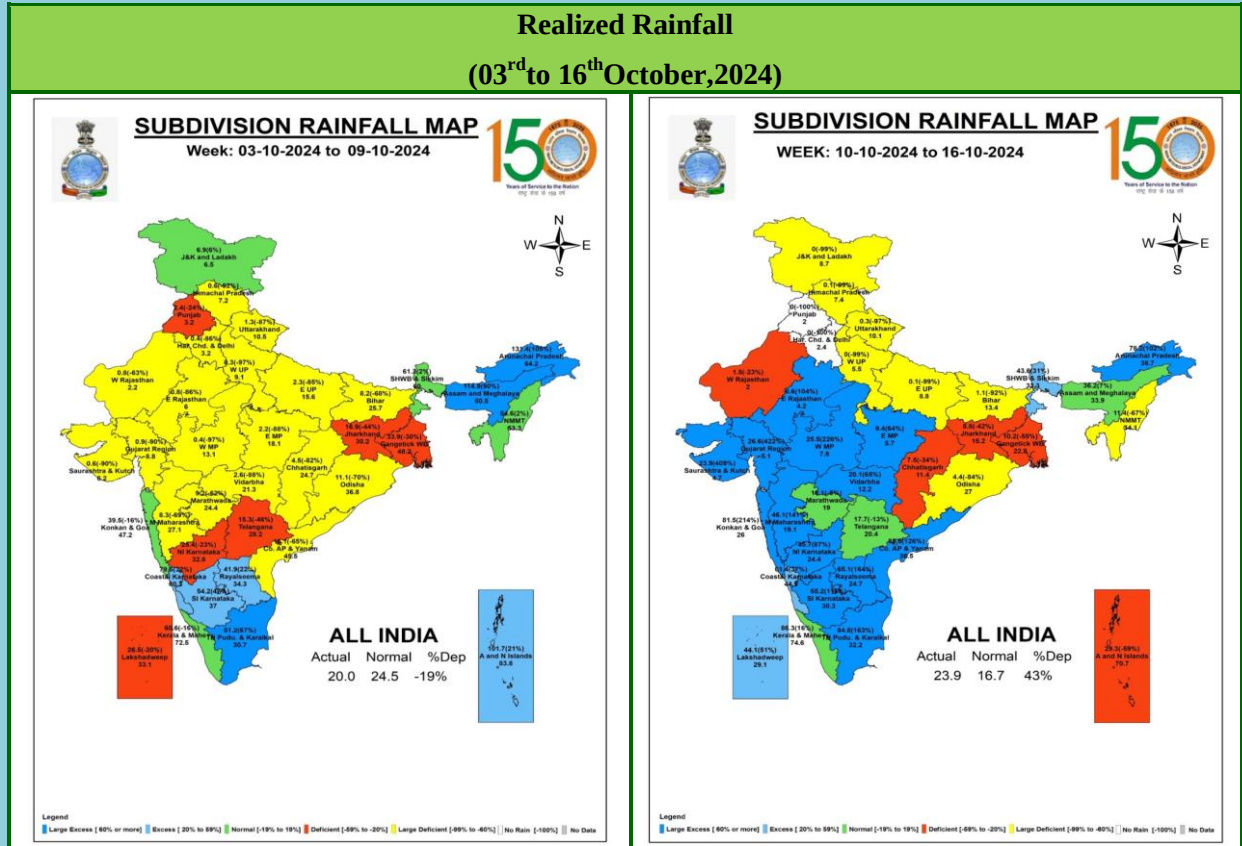
- Download **“DAMINI”** app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download **“MAUSAM”** APP for location specific forecast & warning & **“MEGHDOOT”** APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

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

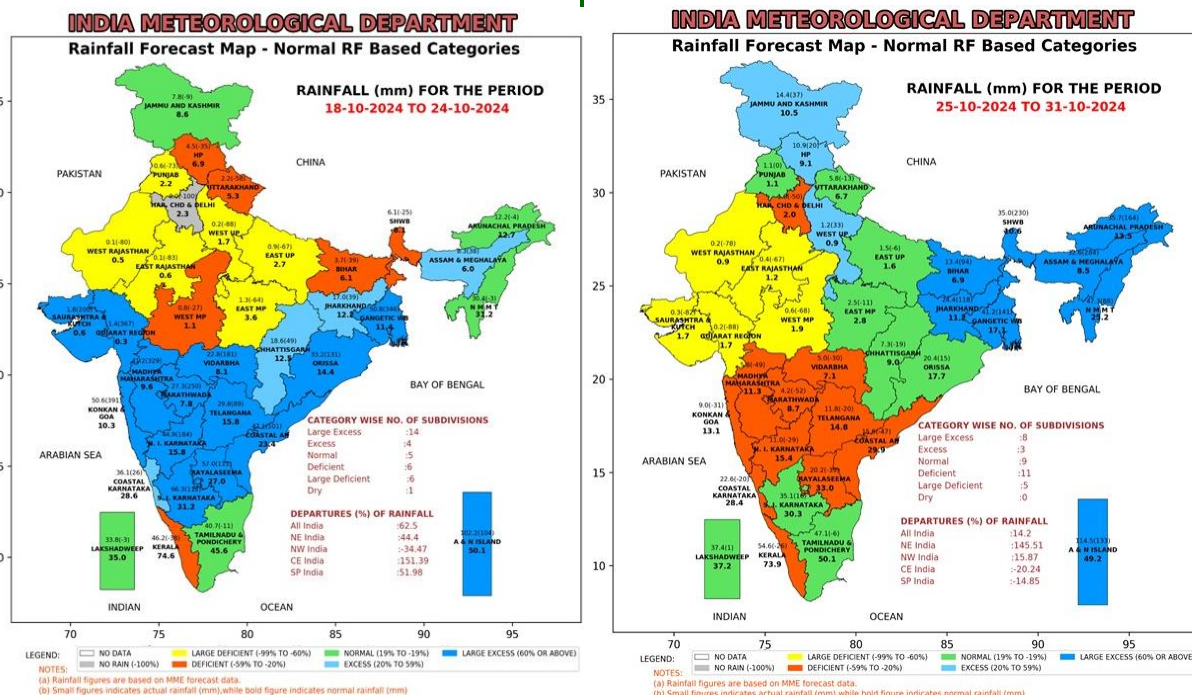
वास्तविकवर्षातथाविस्तारितअवधिपूर्वानुमान
Realized Rainfall and Extended Range Forecast
(वर्षाऔरतापमान)
(Rainfall and Temperature)

Realized Rainfall
(03rd to 16th October, 2024)



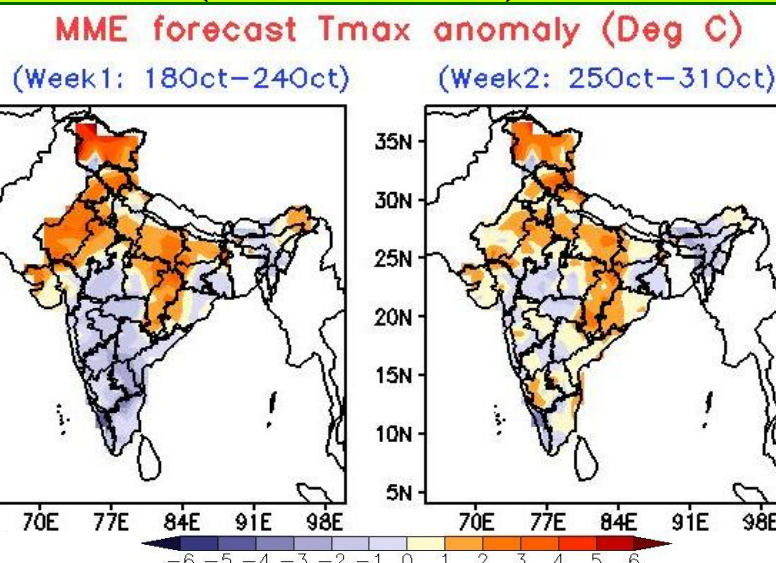
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 16th October, 2024) (18th to 31st October, 2024)



- **Week1 (18.10.2024 to 24.10.2024):** Rainfall is likely to be above normal over Maharashtra, Karnataka, Rayalaseema, Coastal Andhra Pradesh and Gangetic West Bengal.
- **Week 2 (25.10.2024 to 31.10.2024):** Rainfall is likely to be above normal over Northeast India. However, it is likely to be normal to slightly below normal over Southern Peninsula.

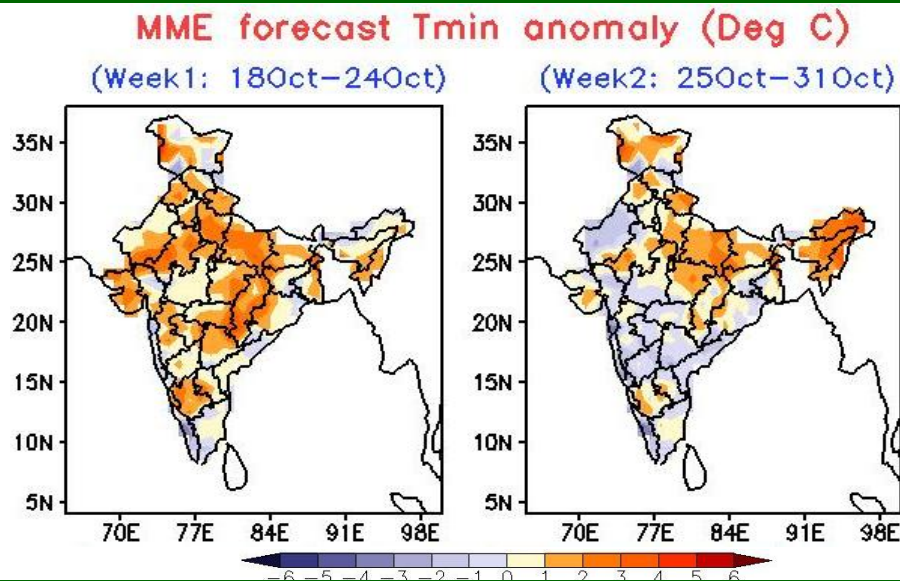
Maximum and Minimum temperature anomaly ($^{\circ}$ C) forecast for the next 2 weeks (IC- 16th October, 2024) (18th to 31st October, 2024)



Maximum Temperature (Tmax)

- **Week 1 (18.10.2024 to 24.10.2024):** Maximum temperature is likely to be above normal over Northwest India, Bihar and Chhattisgarh. It is likely to be below normal over Central and South India.

- **Week 2 (25.10.2024 to 31.10.2024):** Maximum temperature is likely to be above normal over most parts of the Country. It is likely to be below normal over North East India and some parts of Central India.



Minimum Temperature (Tmin)

- **Week 1 (18.10.2024 to 24.10.2024):** Minimum temperature is likely to be above normal over most parts of the Country.
- **Week 2 (25.10.2024 to 31.10.2024):** Minimum temperature is likely to be above normal over many parts of North West India, North East India and Karnataka. It likely to be below normal over many parts of Central India and West Rajasthan.