UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT

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AMFU, OFRS, NAGANAHALLI,
MYSURU - 570003

Date: 18-10-2024

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	14.10.2024	15.10.2024	16.10.2024	17.10.2024	18.10.2024
Rainfall (mm)	0	-	10.2	0	0
Max. Temp. (°C)	27.4	-	25.2	25.9	25.2
Min. Temp. (°C)	20.2	-	19.7	20.3	19.5
Sky condition (Octas)	-	-			-
Relative humidity (%) 0830 hours	100	-	100	100	98
Relative humidity (%) 1730 hours	90	-	87	99	100
Wind Speed (km/h)	-	-	-	-	-
Wind Direction	-	-	-	-	-

Weather forecast for the next five days (From 19-10-2024 to 23-10-2024)

Parameter	19.10.2024	20.10.2024	21.10.2024	22.10.2024	23.10.2024
Rainfall (mm)	6.0	7.0	8.0	8.0	7.0
Max. Temp. (°C)	25.9	26.2	26.1	26.0	26.7
Min. Temp. (°C)	19.6	19.4	19.4	19.2	19.4
Sky condition (Octas)	7.0	7.0	7.0	7.0	8.0
Relative humidity (%) 0830 hours	95.3	96.1	96.0	95.8	94.0
Relative humidity (%) 1730 hours	66.9	62.0	67.3	66.7	64.0
Wind Speed (kmph)	1.4	0.8	1.1	1.8	1.6
Wind Direction	90.0	153.5	71.6	78.7	63.4

Forecast Summary

As forecast received from IMD, cloudy sky with light rainfall may be expected from 19.10.2024 to 23.10.2024 in Kodagu district. The day temperature is expected to be 25.9-26.7°C & night temperature is expected 19.2-19.6°C. The relative humidity in the morning hours is expected to be 94-96.1% & afternoon relative humidity is expected to be in the range of 62-66.9%. Wind speed expected to be 0.8-1.8 km/ hr.

Recommendations to the farmers:			
Crop	**Pest/Disease**	**Damage symptoms**	**Control measures**

General Advisory:

- **Light Rainfall**: Beneficial for crop growth stages like cob, pod, and berry development, but drainage should be maintained to prevent waterlogging.
- **Humidity**: High morning humidity may increase the risk of fungal infections, so preventive fungicide sprays should be applied where necessary.
- **Temperature**: The temperature range is favorable for most crops, supporting vegetative and reproductive growth without stress.

Crops and varieties that can be grown in the month of October

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**
Maize	**Vegetative stage**	- Light rainfall is beneficial; ensure proper moisture for cob development. - Continue monitoring for cob pests (earworms). - No additional irrigation required unless soil is dry.

Paddy	**Vegetative**	- Light rainfall will support panicle initiation. - Top dress with nitrogen if not done. - Watch for pests like leaf folder and stem borer due to increased humidity.
Chilli	**Fruit development stage**	- Light rain will help in fruit development; ensure fruits are well drained. - Apply potassium nitrate spray for uniform fruiting. - Stake plants to avoid lodging.
Ragi	**Tillering stage**	- Light rainfall is beneficial for panicle initiation. - Apply nitrogen top dressing. - Monitor for blast disease due to increased humidity and treat accordingly.
Field bean	**Pod initiation**	- Light rainfall will support pod development; ensure adequate drainage. - Protect against pod borers and avoid waterlogging to prevent root rot.
Banana	**Fruit development stage**	- Support plants with props to prevent lodging in light rain. - Apply potassium-rich fertilizers to promote fruit growth. - Monitor for leaf spot due to high humidity.
Turmeric, Ginger	**Rhizome development stage**	- Light rainfall will help in rhizome development; ensure drainage to avoid water stagnation. - Apply mulches to retain soil moisture. - Monitor for shoot borer pests.
Black pepper	**Berry development stage**	- Light rainfall will support berry development. - Ensure proper drainage. - Apply foliar sprays with potassium and monitor for fungal diseases due to high humidity.
Coffee	**Berry development stage**	- Maintain soil moisture for berry development, but ensure drainage to avoid root rot. - Prune for better air circulation to reduce fungal risks.
Horticultural crops	**Various stages**	- Light rainfall can support growth, but ensure proper drainage. - Monitor for fungal diseases due to increased humidity. - Mulch to conserve soil moisture.
Livestock	Shelter and Feeding	- Provide dry and clean shelters for livestock. - Ensure proper ventilation. - Adjust feeding to maintain health during cooler temperatures.
Sericulture	Rearing Stage	- Maintain optimum humidity and temperature in rearing rooms. - Regularly feed mulberry leaves with appropriate moisture. - Ensure hygiene to prevent diseases.

Recommendation to farmers		
Crop specific advisory:		
Crop	**Stage**	**Advisory**
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)Propiconozole 25 EC.- 1.0 ml.

		b)Theiophenate 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 Cand 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 fluroscence. Incorporate Trichogramma (50 g) enriched compost (5 kg.) to the base of the vine.

Block level weather forecast (From 19-10-2024 to 23-10-2024)					
Madikeri					
Parameter	**19.10.2024**	**20.10.2024**	**21.10.2024**	**22.10.2024**	**23.10.2024**
Rainfall (mm)	4.8	10.7	22.8	9.6	11.8
Max. temp (°C)	25.7	24.9	24.9	25.1	26.2
Min.Temp (°C)	18.9	19.1	19.2	18.9	18.9
Sky condition (Octas)	7	7	7	7	7
Relative humidity (%) 0830 hours	95.7	95.2	95	94.4	94
Relative humidity (%) 1730 hours	61.9	68.7	71.1	68	62.3
Wind Speed (kmph)	1.8	1.1	1.5	0.8	2
Wind Direction	216.8	108.4	14	63.4	45

Somvarpet					
Parameter	**19.10.2024**	**20.10.2024**	**21.10.2024**	**22.10.2024**	**23.10.2024**
Rainfall (mm)	6.4	12.9	26	11.5	10.4
Max. temp (°C)	25.9	25.1	25.1	25	25.9
Min.Temp (°C)	18.7	19.1	19.2	19	18.8
Sky condition (Octas)	7	7	7	8	7
Relative humidity (%) 0830 hours	94.7	94.3	94.6	94.1	92.9
Relative humidity (%) 1730 hours	61.3	66.9	68.3	68.6	63.7
Wind Speed (kmph)	1.3	1.3	0.7	1.3	1.4
Wind Direction	213.7	123.7	0	123.7	0

Virajpet					
Parameter	**19.10.2024**	**20.10.2024**	**21.10.2024**	**22.10.2024**	**23.10.2024**
Rainfall (mm)	2.2	8.5	14.9	6.2	7.2
Max. temp (°C)	26.8	26.6	26.6	26.9	27.4

Min.Temp (°C)	20.2	20.2	20.4	20.1	20
Sky condition (Octas)	6	7	7	6	6
Relative humidity (%) 0830 hours	96.4	96.8	97.1	97.4	96.9
Relative humidity (%) 1730 hours	59.2	62.9	68	64.9	61.7
Wind Speed (kmph)	1.1	2.3	1.8	1.6	2.8
Wind Direction	198.4	71.6	36.8	63.4	39.8

- 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. 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

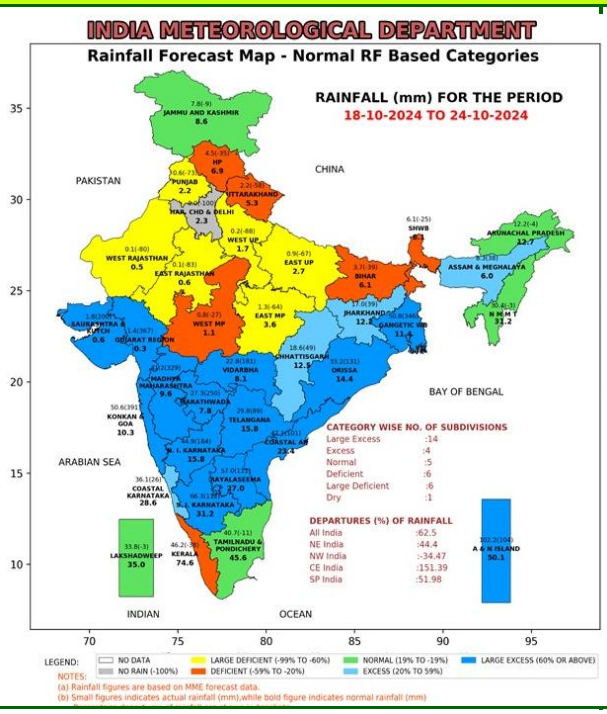
(03rd to 16th October,2024)

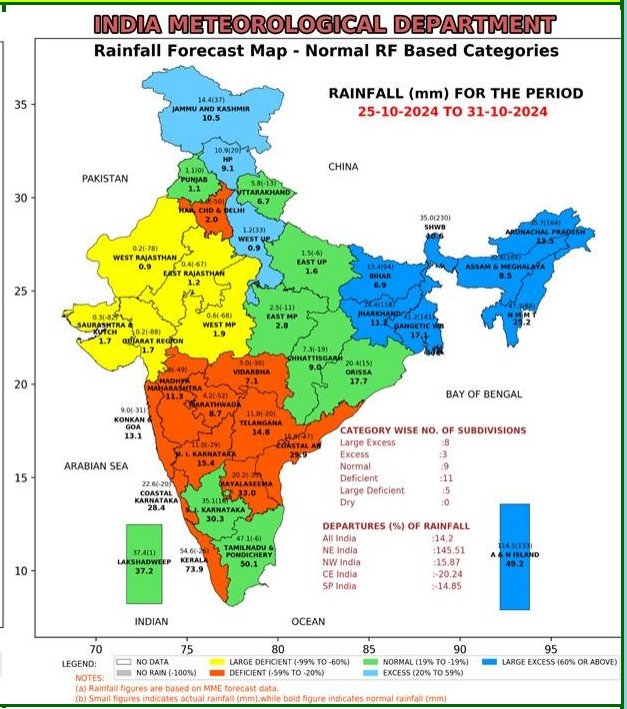

SUBDIVISION RAINFALL MAP
Week: 03-10-2024 to 09-10-2024
N
W
E
S
ALL INDIA
Actual Normal %Dep
20.0 24.5 -19%
Legend
Large Excess [60% or more] Excess [20% to 59%] Normal [-19% to 19%] Deficient [-59% to -20%] Large Deficient [-99% to -60%] No Rain [-100%] No Data


SUBDIVISION RAINFALL MAP
WEEK: 10-10-2024 to 16-10-2024
N
W
E
S
ALL INDIA
Actual Normal %Dep
23.9 16.7 43%
Legend
Large Excess [60% or more] Excess [20% to 59%] Normal [-19% to 19%] Deficient [-59% to -20%] Large Deficient [-99% to -60%] No Rain [-100%] No Data

Extended Range Forecast System

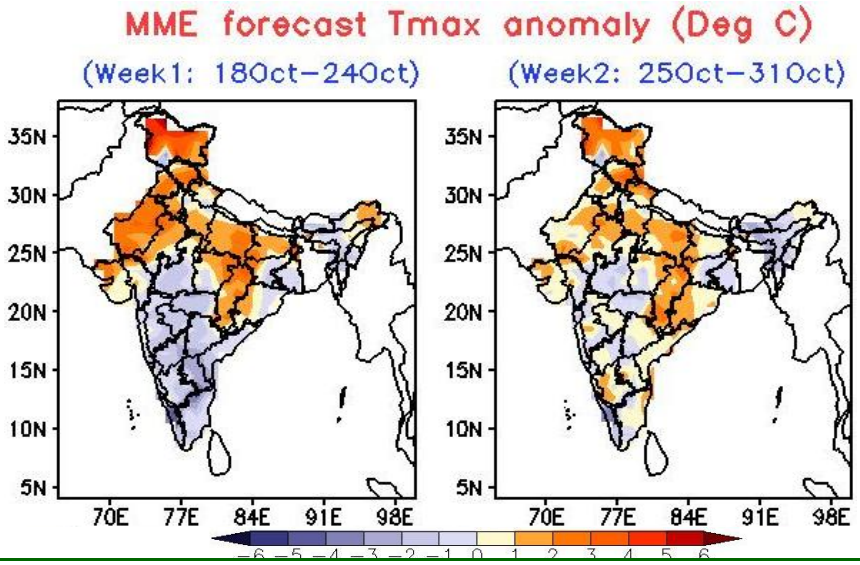
Rainfall forecast maps for the next 2 weeks (IC- 16th October, 2024) (18th to 31st October, 2024)





- **Week1 (18.10.2024 to 24.10.2024):**Rainfall is likely to be above normal over Maharashtra, Karnataka, Rayalaseema, Coastal Andhra Pradesh and GangeticWest 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.

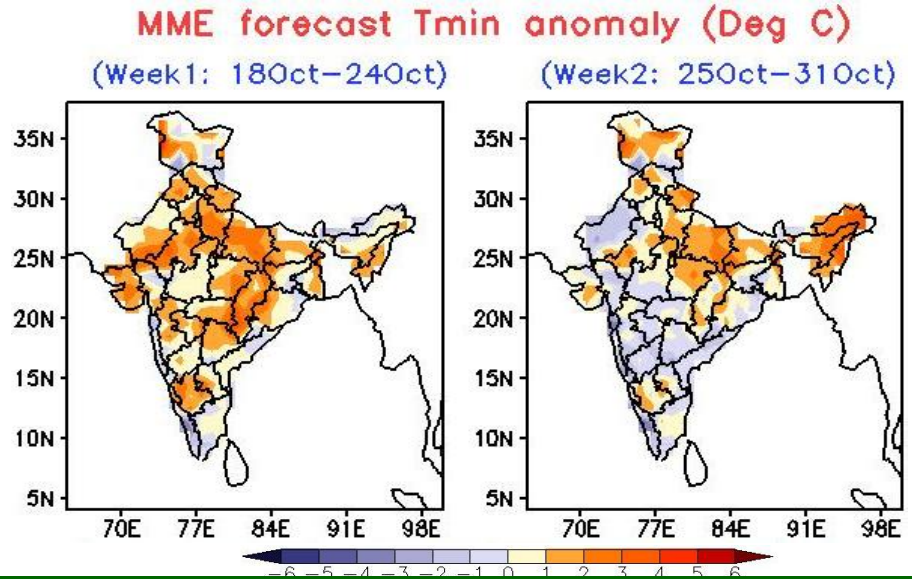
Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 16th October, 2024) (18th to 31st October, 2024)



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.