UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT

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MYSURU - 570003

Date: 08-11-2024

AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	04.11.2024	05.11.2024	06.11.2024	07.11.2024	08.11.2024
Rainfall (mm)	1	0	0	0	-
Max. Temp. (°C)	30.1	28.4	28.9	29.7	-
Min. Temp. (°C)	18.7	19.7	17.3	18.5	-
Sky condition (Octas)	-	-	-	-	-
Relative humidity (%) 0830 hours	100	87	86	87	-
Relative humidity (%) 1730 hours	94	93	-	-	-
Wind Speed (km/h)	-	-	-	-	-
Wind Direction	-	-	-	-	-

Weather forecast for the next five days (From 09-11-2024 to 13-11-2024)

Parameter	09.11.2024	10.11.2024	11.11.2024	12.11.2024	13.11.2024
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	27.7	28.1	27.7	27.5	27.5
Min. Temp. (°C)	19	18.4	17.8	18.7	19.2
Sky condition (Octas)	5	3	5	6	7
Relative humidity (%) 0830 hours	93.5	93.8	93.1	92.7	88.3
Relative humidity (%) 1730 hours	52.3	48.4	48.8	51.3	45.6
Wind Speed (kmph)	5.7	6	5.2	4.8	5.7
Wind Direction	71.6	65	65.2	63.4	71.6

Forecast Summary

As forecast received from IMD, cloudy sky with no rainfall may be expected from 09.11.2024 to 13.11.2024 in Kodagu district. The day temperature is expected to be 27.5-28.1°C & night temperature is expected 17.8-19.2°C. The relative humidity in the morning hours is expected to be 88.3-93.8% & afternoon relative humidity is expected to be in the range of 45.6-52.3%. Wind speed expected to be 4.8-5.7 km/ hr.

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

- Adjust irrigation schedules; reduce watering as light rain helps maintain soil moisture.
- Regularly check soil moisture to determine if additional irrigation is necessary.
- Implement timely weeding, as light rain can stimulate weed growth.
- Use mulch to suppress weeds and retain soil moisture.
- Ensure good airflow around plants to reduce humidity and discourage fungal diseases.
- Apply preventive fungicides for susceptible crops to prevent diseases like blight and rust.
- Apply top dressing or fertilizers, as light rain helps absorb nutrients without risk of runoff.
- Use organic amendments like compost, which integrate well with light moisture.
- Check drainage to prevent waterlogging, even if rain is light.
- Use mulch to retain the moisture from light rain, keeping the soil hydrated longer.

Weather based advisory		
Crop	**Stage**	**Advisory**
Cabbage and cauliflower	**Head formation stage**	Maintain moisture with irrigation if needed; ensure good drainage to prevent root diseases.
Bean	**Pod formation stage**	Monitor for aphids; avoid overhead irrigation to prevent pod rot.
Tomato	**Fruit development stage**	Use calcium spray to prevent blossom end rot; apply mulch to retain soil moisture.
Red gram	**Flowering to pod initiation stage**	Light irrigation beneficial; avoid excess moisture to prevent fungal diseases.
Paddy	**Milking stage**	Maintain consistent water levels; check for pests like stem borers in humid conditions.
Chilli	**Fruit development stage**	Provide moderate irrigation; apply mulch to retain soil moisture.
Field bean	**Pod development**	Avoid over-irrigation; monitor for pest and disease incidents.
Banana	**Fruit development stage**	Ensure regular watering; secure plants to prevent wind damage.
Turmeric, Ginger	**Harvesting stage**	Harvest during dry spells; dry harvested rhizomes in partial sunlight.
Black pepper	**Berry development stage**	Use drip irrigation if needed; avoid water stagnation around roots.
Coffee	**Berry development stage**	Prune excess foliage for air circulation to prevent fungal issues.
Horticultural crops	**Various stages**	Provide adequate irrigation; monitor for pest outbreaks; avoid moisture stress in fruiting crops.
Livestock	**Shelter and Feeding**	Ensure shelter during cloudy, humid days; provide clean, dry bedding and ventilation.
Sericulture	**Rearing stage**	Maintain ideal room humidity and temperature; use clean, fresh mulberry leaves; monitor for fungal issues.

Recommendation to farmers

Crop specific advisory:		
Crop	**Stage**	**Advisory**
Cabbage diamond back moth	Head stage	• Spray DDVP 76 EC. @0.5 ml./lit water in nursery. • 15 days before transplanting around the main field and every 25 rows of cabbage one row of mustard sowing, 15 to 20 days after cabbage planting another row of mustard sowing. Mustard as trap crop. Spray on mustard with 0.5 ml. DDVP in a lit. water. • During head formation, spray 5 per cent NSKE . • Birdpurches may be provided to attract predatory birds.
Tomato whiteflies	Fruiting stage	Spray 1.0ml.Oxydemeton methyl 25 EC in a lit. water.
Bean Pod borer	Pod formation stage	Spray 2.0 ml. Malathion 50 EC./ lit. water .
Tomato Early and late blight of tomato	Fruiting stage	For late blight of tomato 15 days prior to transplanting Trichoderma and Pseudomonas enriched compost may be incorporated to the soil. For early blight control spray 2.0 g. Mancozeb 75 WP OR 2.0 g. Maneb OR 2.0 g. Metalaxyl- MZ 72WP. OR 2.0 g. Dimethomorph + polyram/lit. water. For control of late blight spray 2.0 g. Metalaxyl - MZ 72WP. OR 2.0 g. Fosetyl al 80 WP OR 2.0 g. Dimethomorph + polyram in a lit. water, 5 weeks after transplanting. Repeat the spray 7th, 9th and 11th weeks after transplanting. 200- 250 lit. spray solution required/acre/spray.
Rice earhead bug	Panicle emergence stage	> During milky stage of the crop; spray Malathion 50 EC. at 2.0 ml./lit. of water . **OR** > Dust 8 - 10 kg. Malathion 5 D./acre during morning hours.
Rice Brown plant hoppers	Panicle emergence stage	Spray any one of the following insecticides per lit. water 1) Imidacloprid 17.8 SL.- 0.5 ml. 2) Thiamethoxam 25 WG.- 0.7 g. 3) Monocrotophos 36 SL.- 1.5ml 4) Chlorpyriphos 20 EC.- 2.0 ml. 5) Buprofezin 25 EC.- 1.4ml. > Spray solution should reach the base of the plant. > Around 400 to 450 lit. spray solution required/acre. Granular insecticide kg./ac 1) Carbofuran 3 G- 8.0 2) Phorate 10 G- 5.0 3) Quinalphos 5 G - 12.0 N.B: Drain out the water and apply granules. Two days after application light irrigation may be provided.
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.
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.
Paddy Leaf folder	Panicle emergence 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 Bacterial leaf blight	Panicle emergence 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.
Ginger Rhizome rot	Harvesting 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 09-11-2024 to 13-11-2024)					
Madikeri					
Parameter	**09.11.2024**	**10.11.2024**	**11.11.2024**	**12.11.2024**	**13.11.2024**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	27.1	27.4	27.1	27.2	26.8
Min.Temp (°C)	18.6	17.4	17.2	17.1	18.6
Sky condition (Octas)	7	4	4	5	6
Relative humidity (%) 0830 hours	94.8	94.4	92	89.3	88.4
Relative humidity (%) 1730 hours	55.5	47.3	49.7	47.4	49.1
Wind Speed (kmph)	5.8	5.8	4.9	3.9	5.4
Wind Direction	60.2	60.2	54	56.3	70.3

Somvarpet					
Parameter	**09.11.2024**	**10.11.2024**	**11.11.2024**	**12.11.2024**	**13.11.2024**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	26.8	27.2	26.9	27.1	26.5
Min.Temp (°C)	18.1	17.1	16.9	16.8	18.2
Sky condition (Octas)	6	4	4	5	5
Relative humidity (%) 0830 hours	92.8	93.8	90.8	88.6	88
Relative humidity (%) 1730 hours	54.8	47.9	49.7	48.3	49
Wind Speed (kmph)	6.1	5.8	5	4.3	5.8
Wind Direction	86.6	0	0	85.2	0

Virajpet					
Parameter	**09.11.2024**	**10.11.2024**	**11.11.2024**	**12.11.2024**	**13.11.2024**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	29.2	29.2	28.9	29.1	28.8
Min.Temp (°C)	19.7	18.7	18.4	18.2	19.8
Sky condition (Octas)	6	5	4	5	6
Relative humidity (%) 0830 hours	95.3	92.3	91.6	89.1	89.6
Relative humidity (%) 1730 hours	49.7	41.4	45.9	44.4	47.2
Wind Speed (kmph)	6.1	6.6	6.1	4.8	6
Wind Direction	49.7	49.4	45	48	57.2

- 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

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

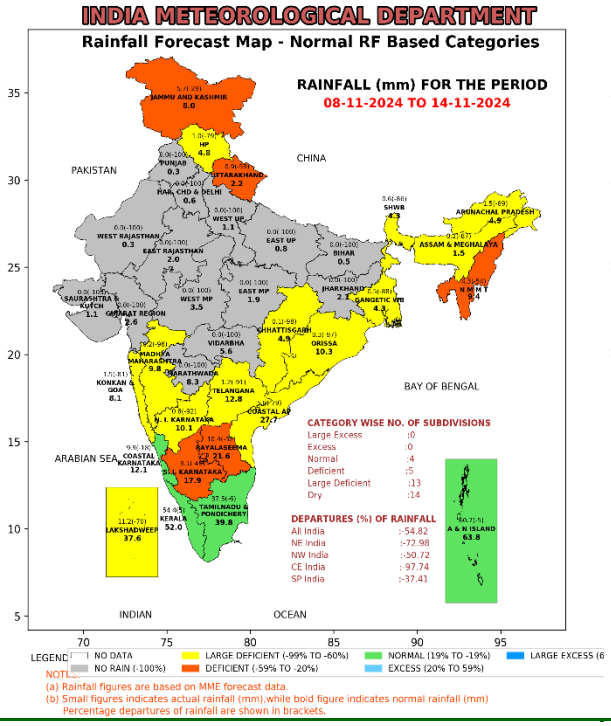
वास्तविकवर्षातथाविस्तारितअवधिपूर्वानुमान
Realized Rainfall and Extended Range Forecast
(वर्षाऔरतापमान)
(Rainfall and Temperature)

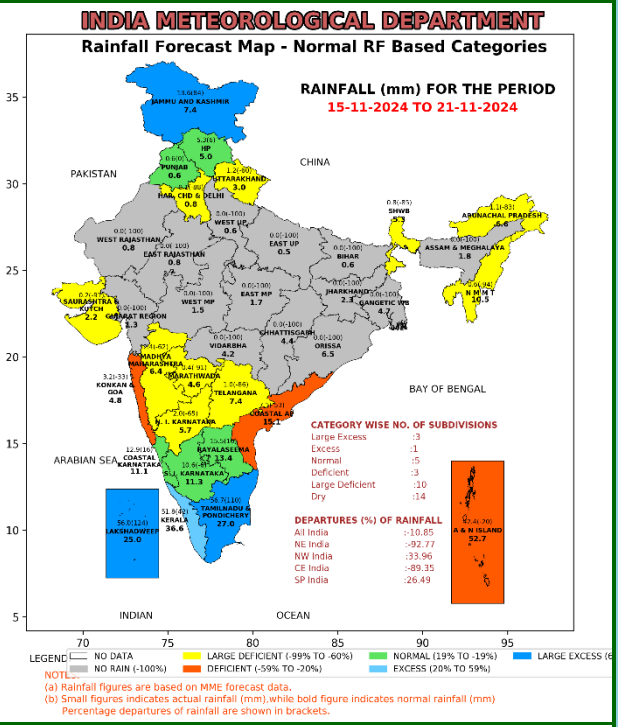
Realized Rainfall

(24thOctober to 06th November,2024)

Extended Range Forecast System

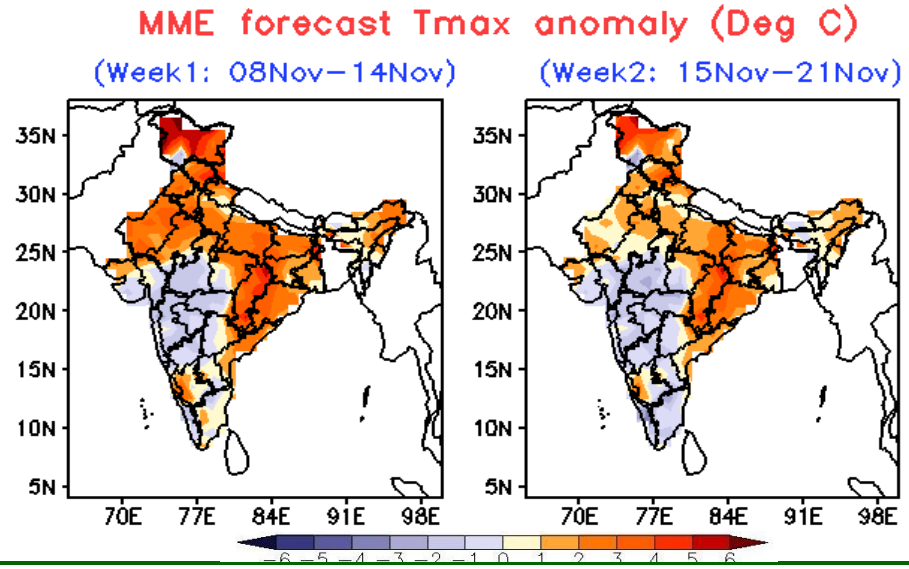
Rainfall forecast maps for the next 2 weeks (IC- 06th November, 2024)
(08th to 21st November, 2024)





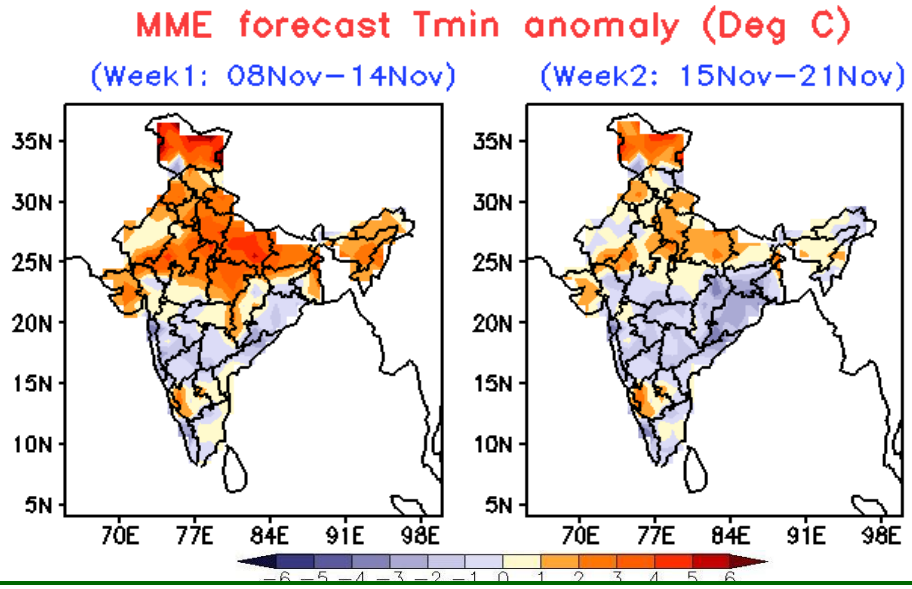
- **Week1 (08.11.2024 to 14.11.2024):**Rainfall is likely over Tamil Nadu, Kerala and some parts of Karnataka& Andhra Pradesh. Above normal rainfall is likely over Tamil Nadu coast.
- **Week 2 (15.11.2024 to 21.11.2024):**Rainfall is likely over Jammu & Kashmir, Tamil Nadu, Kerala and some parts of Karnataka&Andhra Pradesh. Above normal rainfall is likely over Tamil Nadu and south Kerala.

Maximum and Minimum temperature anomaly (°C) forecast
for the next 2 weeks (IC- 06th November, 2024)
(08th to 21st November, 2024)



Maximum Temperature (Tmax)

- **Week 1 (08.11.2024 to 14.11.2024)andWeek 2 (15.11.2024 to 21.11.2024):**Maximum temperature is likely to be above normal over Northwest, East & Northeast India, Chhattisgarh, Coastal Andhra Pradesh and Karnataka. It is likely to be below normal over parts of Central India and West India.



Minimum Temperature (Tmin)

- **Week 1 (08.11.2024 to 14.11.2024):** Minimum temperature is likely to be above normal over Northwest, East & Northeast India. It is likely to be normal to below normal over rest of the country.
- **Week 2 (15.11.2024 to 21.11.2024):** Minimum temperature is likely to be above normal over parts of Northwest India. It is likely to be below normal in many parts of Central and West India.