UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT

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

Date:11-02-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	08.02.2025	09.02.2025	10.02.2025	11.02.2025
Rainfall (mm)	0	0	0	0
Max. Temp. (°C)	33	31.5	33	31
Min. Temp. (°C)	0	14.2	14.5	14.4
Sky condition (Octas)	4	-	6	6
Relative humidity (%) 0830 hours	77	85	79	85
Relative humidity (%) 1730 hours	26	-	33	-
Wind Speed (km/h)	4	-	4	4
Wind Direction	360	-	360	50

Weather forecast for the next five days (From 12-02-2025 to 16-02-2025)

Parameter	12.02.2025	13.02.2025	14.02.2025	15.02.2025	16.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31	31	31	32	32
Min.Temp (°C)	15	15	15	16	16
Sky condition (Octas)	0	1	1	2	2
Relative humidity (%) 0830 hours	66	62	65	67	67
Relative humidity (%) 1730 hours	47	46	42	44	46
Wind Speed (kmph)	3.3	2.2	3.1	3.1	3.9
Wind Direction	78	0	135	135	112

Forecast Summary

As forecast received from IMD, cloudy sky with no rainfall may be expected from 12.02.2025 to 16.02.2025 in Mandya district. The day temperature is expected to be 31-32°C & night temperature is expected to be 15°C to 16°C. The relative humidity in the morning hours is expected to be 62% to 67% & afternoon relative humidity is expected to be in the range of 42-47% Wind speed expected to be 2.2-3.9 km/ hr.

SMS Advisory
Farmers who have not yet harvested paddy are advised to proceed with harvesting as there is very light rainfall expected in the next 5 days.

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

- **No rainfall for the next 5 days** will increase soil moisture loss, so **irrigation at proper intervals is essential** to prevent drought stress.
- **Mulching** with straw, dry leaves, or plastic mulch will help retain soil moisture and reduce evaporation losses.
- **Pest and Disease Monitoring**: Dry conditions favor **thrips, mites, aphids**, and other sucking pests—regularly monitor crops and use biological or recommended chemical controls if necessary.
- **Drip Irrigation or Sprinkler System**: Efficient water management through **drip or sprinkler irrigation** is advised to optimize water usage.
  - **For Harvested Crops**: Proper drying and **moisture management** should be ensured before storage to **prevent fungal and insect infestations**.

Weather based advisory		
Crop	**Stage**	**Advisory**
Paddy	Harvest stage	**No rainfall**; harvest mature paddy crops, ensure proper drying to 12-14% moisture before storage. Protect harvested grains from stored pests.
Maize	Flowering/Harvest	**No rainfall**; irrigate flowering crops to avoid moisture stress. Harvest mature cobs and dry them properly to maintain quality.
Tomato	Vegetative stage	**No rainfall**; provide irrigation at regular intervals. Mulching can help retain soil moisture and reduce temperature stress.
Cabbage, Cauliflower	Head formation stage	**No rainfall**; maintain moisture in the root zone through irrigation. Protect against aphids and diamondback moths due to dry conditions.
Bean, Field Bean	Pod formation stage	**No rainfall**; provide supplemental irrigation to avoid pod shrinkage. Mulching is recommended to retain soil moisture.
Chilli	Vegetative/Fruit development	**No rainfall**; irrigate regularly, especially for fruit development. Monitor for thrips and mites which increase in dry conditions.
Banana	Fruit development stage	**No rainfall**; irrigate at least twice a week. Use organic mulches to maintain soil moisture. Provide mechanical support to prevent lodging due to dry winds.
Horticultural Crops	Various stages	**No rainfall**; apply light irrigation based on crop needs. Regularly check for pest outbreaks due to dry weather conditions. Use organic mulches for moisture conservation.

Sugarcane trash management
➢ **Composting:** Convert trash into organic manure. ➢ **Mulching:** Use as mulch to conserve moisture and suppress weeds. ➢ **Bio-decomposer:** Spray bio-decomposers (e.g., *Trichoderma, Pseudomonas*) on trash piles to

accelerate decomposition.

- **Soil Incorporation:** Shred and plow trash into the soil.
- **Vermicomposting:** Use in vermiculture for nutrient-rich compost.
- **Animal Bedding:** Use for livestock, later as manure.
- **Avoid Burning:** Opt for sustainable disposal methods.

Livestock specific advisory	
Category	**Advisory**
Livestock	Provide dry bedding, avoid exposure to morning cold, and ensure good ventilation in sheds. Offer slightly warm drinking water during mornings and evenings. Maintain cleanliness, use fly traps or repellents. Monitor for respiratory issues; increase energy-rich feed.
Poultry	Cover sheds at night, provide warm drinking water, and use brooders for chicks. Ensure good air circulation but block cold drafts. Add energy supplements (e.g., maize) to feed. Remove litter regularly and use approved fly traps or sprays.

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.
Chilli	Vegetative	
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.
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.

Block level weather forecast (From 12-02-2025 to 16-02-2025)					
Krishnarajpet					
Parameter	**12.02.2025**	**13.02.2025**	**14.02.2025**	**15.02.2025**	**16.02.2025**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.1	31.1	31.2	31	31.9
Min.Temp (°C)	16.9	17.1	17.2	16.5	15.7
Sky condition (Octas)	1	1	1	2	0
Relative humidity (%) 0830 hours	66.2	76.3	80.7	78.3	70.3
Relative humidity (%) 1730 hours	22.4	25.3	26.9	23	23.2
Wind Speed (kmph)	7.6	9	8.3	8.7	5.9
Wind Direction	87.3	85.4	85	85.2	76

Maddur					
Parameter	**12.02.2025**	**13.02.2025**	**14.02.2025**	**15.02.2025**	**16.02.2025**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.1	32.2	32.2	32.1	33.1
Min.Temp (°C)	16.6	16.9	17.2	16.4	15.7
Sky condition (Octas)	1	1	1	2	1
Relative humidity (%) 0830 hours	73.3	84.9	88.3	85.5	81.5
Relative humidity (%) 1730 hours	22.9	28	31.6	30.6	27.7
Wind Speed (kmph)	3.5	4.6	4.8	5	3.1
Wind Direction	66	71.6	77	69	54.4

Malvalli					
Parameter	**12.02.2025**	**13.02.2025**	**14.02.2025**	**15.02.2025**	**16.02.2025**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.2	32.1	32.1	32.1	33.1
Min.Temp (°C)	16.9	17.2	17.7	16.9	16
Sky condition (Octas)	1	1	1	2	1
Relative humidity (%) 0830 hours	73.6	82.3	87.1	84	79.9
Relative humidity (%) 1730 hours	24.5	29	32.2	30.7	27.7
Wind Speed (kmph)	4.5	5.2	5.9	4.9	2.4
Wind Direction	76	74	79.4	72.9	63.4

Mandya					
Parameter	**12.02.2025**	**13.02.2025**	**14.02.2025**	**15.02.2025**	**16.02.2025**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.7	31.7	31.8	31.7	32.5
Min.Temp (°C)	16.6	16.9	17.2	16.4	15.8
Sky condition (Octas)	1	1	1	2	0
Relative humidity (%) 0830 hours	71.4	82.5	84.7	84.5	77.6
Relative humidity (%) 1730 hours	23	27.4	31.3	29.4	27.9
Wind Speed (kmph)	5.2	6.6	6.5	6.8	4.8
Wind Direction	65.2	67.6	70.6	64.8	48

Nagamangala					
Parameter	**12.02.2025**	**13.02.2025**	**14.02.2025**	**15.02.2025**	**16.02.2025**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.1	31.2	31.2	31	32
Min.Temp (°C)	16.5	16.7	16.8	16	15.5
Sky condition (Octas)	1	1	1	2	0
Relative humidity (%) 0830 hours	68.6	79.1	81.7	81.2	75.6
Relative humidity (%) 1730 hours	22.3	25.3	28	23.6	25.8
Wind Speed (kmph)	5.1	6.9	6.6	5.8	4.3
Wind Direction	98.1	99	99.5	97.1	0

Pandavapura					
Parameter	**12.02.2025**	**13.02.2025**	**14.02.2025**	**15.02.2025**	**16.02.2025**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.6	31.6	31.7	31.5	32.2
Min.Temp (°C)	16.7	17	17.2	16.5	15.9
Sky condition (Octas)	1	1	1	2	0
Relative humidity (%) 0830 hours	70.4	78.1	82.6	82.5	74.5
Relative humidity (%) 1730 hours	22.5	24.6	28.5	24.4	28.8
Wind Speed (kmph)	6.3	7.1	7	7.2	5.6
Wind Direction	66.4	66	68.7	63.4	50.2

Shrirangapattana					
Parameter	**12.02.2025**	**13.02.2025**	**14.02.2025**	**15.02.2025**	**16.02.2025**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	31.8	31.8	31.7	31.6	32.6
Min.Temp (°C)	16.9	17.2	17.6	16.8	16
Sky condition (Octas)	1	1	1	2	1
Relative humidity (%) 0830 hours	67.8	76.1	81.6	81.6	79.3
Relative humidity (%) 1730 hours	22.5	24.8	29.1	26.1	30
Wind Speed (kmph)	5.8	7.2	7	7.2	4.7
Wind Direction	68.2	63.4	68.7	63.4	57.5

- 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

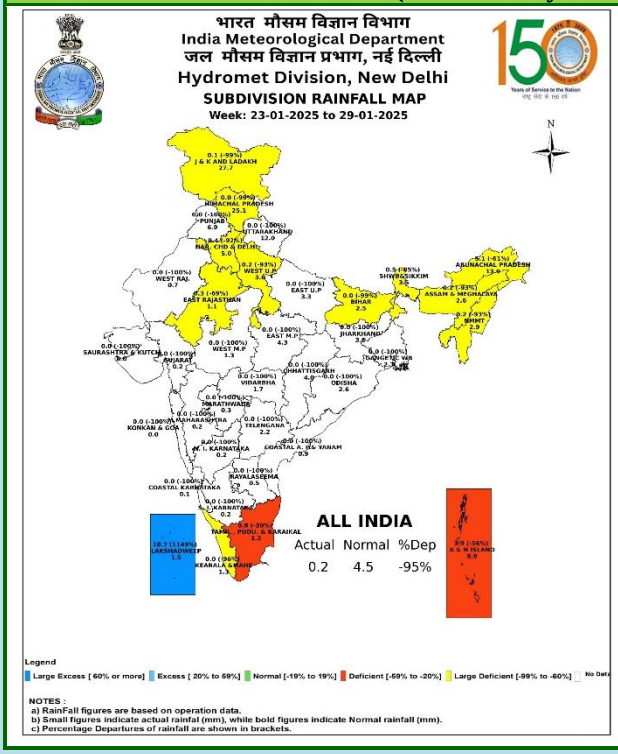
Realized Rainfall and Extended Range Forecast

(वर्षाऔरतापमान)

(Rainfall and Temperature)

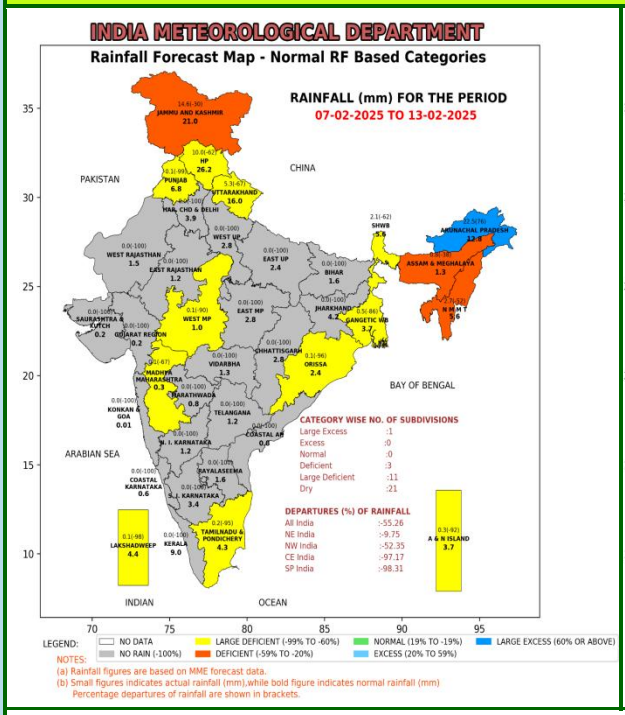
Realized Rainfall

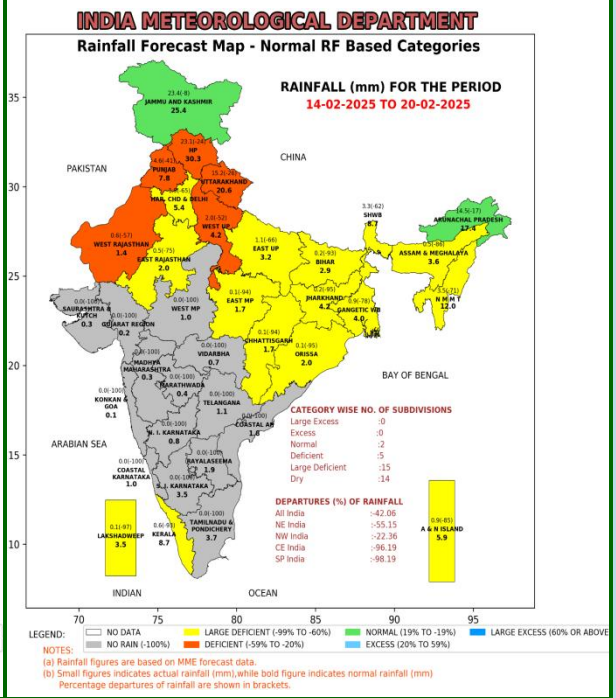
(23rd January to 05thFebruary, 2025)



Extended Range Forecast System

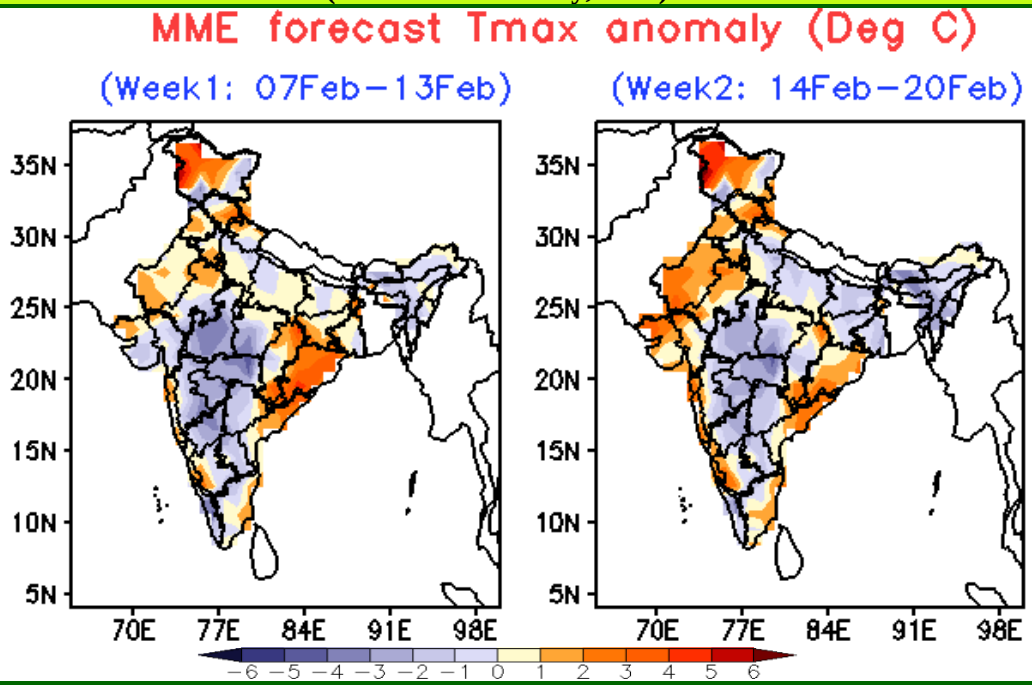
Rainfall forecast maps for the next 2 weeks (IC- 05th February,2025) (07th to 20th February, 2025)





- **Week1(07.02.2025 to 13.02.2025):**Rainfall is likely to be above normal over Arunachal Pradesh.Rainfall activity is also likely over Jammu & Kashmir and Himachal Pradesh.
- **Week 2 (14.02.2025 to 20.02.2025):**Rainfall is likely to be normal overJammu & Kashmir and Arunachal Pradesh. Rainfall activity is also likely over Himachal Pradesh and Uttarakhand.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 05th February,2025) (07th to 20th February, 2025)

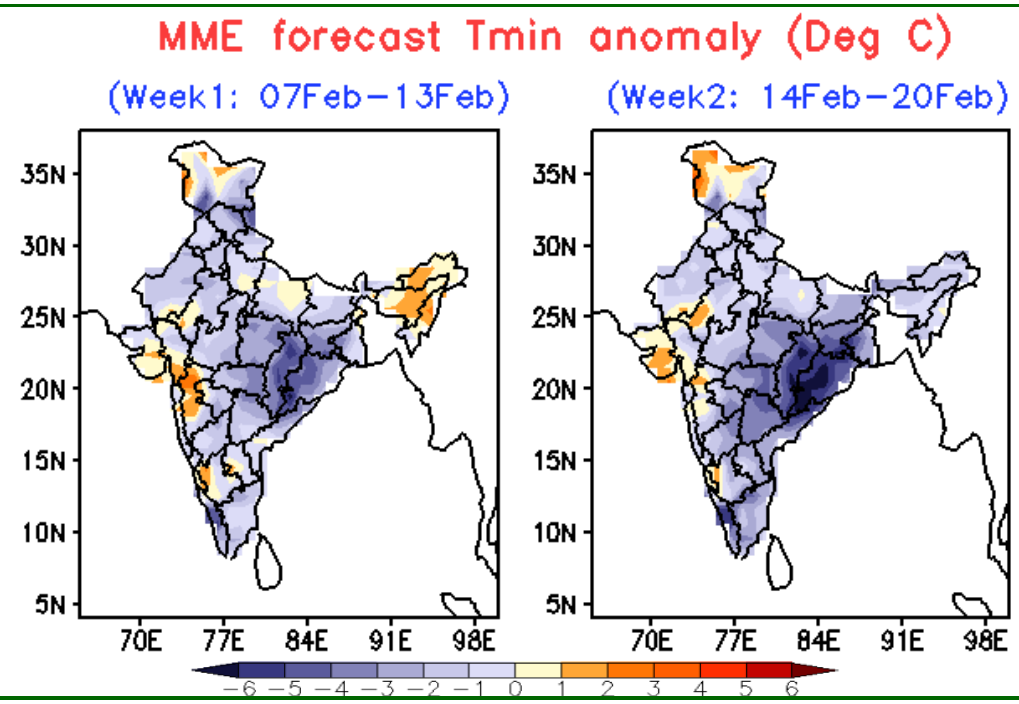


Maximum Temperature (Tmax)

- **Week 1 (07.02.2025 to 13.02.2025):**Maximum temperature is likely to be below normal

over many parts of Central, West & South India and some parts in Uttar Pradesh & Northeast India. However, it is likely to be above normal over East India, many parts of Northwest India, Chhattisgarh and parts of South India.

- **Week 2 (14.02.2025 to 20.02.2025):**Maximum temperature is likely to be below normal over Central India, many parts of South India, some parts of Northeast India,Maharashtra, and Uttar Pradesh. However, it is likely to be above normal over many parts of Northwest India, South India, Gujarat, Odisha, Konkan & Goaand parts of Chhattisgarh.



Minimum Temperature (Tmin)

- **Week 1 (07.02.2025 to 13.02.2025):**Minimum temperature is likely to be below normal over most parts of the country.However, it is likely to be above normal over North East India and some parts of Gujarat, Maharashtra & Karnataka.
- **Week 2 (14.02.2025 to 20.02.2025):** Minimum temperature is likely to be below normal over most parts of the country except Gujarat, some parts of Jammu & Kashmir, RajasthanMadhya Maharashtra and Karnataka.