

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



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



Date:17-04-2025

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	14.04.2025	15.04.2025	16.04.2025	17.04.2025
Rainfall (mm)	3	0	0	18.5
Max. Temp. (°C)	33.6	33.7	33.8	34
Min. Temp. (°C)	20.9	22.3	22.8	20.6
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	100	72	100	95
Relative humidity (%) 1730 hours	35	50	32	54
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 18-04-2025 to 22-04-2025)

Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	7	5	4	15	4
Max. temp (°C)	34	34	34	33	33
Min.Temp (°C)	21	21	21	20	20
Sky condition (Octas)	4	5	5	4	4
Relative humidity (%) 0830 hours	80	83	82	83	86
Relative humidity (%) 1730 hours	57	56	52	53	54
Wind Speed (kmph)	7	8	10	12	12
Wind Direction	249	263	277	273	237

Forecast Summary

As forecast received from IMD, cloudy sky with **light rainfall** may be expected from **18.04.2025 to 22.04.2025** in Mandya district. The day temperature is expected to be 33-34°C & night temperature is expected to be 20-21°C. The relative humidity in the morning hours is expected to be 80-86% & afternoon relative humidity is expected to be in the range of 52-57% Wind speed expected to be 7-12 km/ hr.

General Advisory:

- Light rainfall is expected; carry out weeding and fertilizer application during dry periods.
- Ensure proper drainage in paddy, vegetable, and plantation crops to avoid water stagnation.
- Support banana plants with props to prevent lodging due to wind and wet soil.
- Avoid pesticide and fungicide sprays just before or during rain; use biocontrols if needed.
- Provide clean water, dry bedding for livestock, and maintain good ventilation in poultry sheds.

SMS Advisory:

Light rain likely. Ensure drainage in crops, support banana, avoid sprays in rain, monitor vegetable crops for disease, keep livestock sheds clean and dry.

Recommendations to the farmers:-**Weather based advisory**

Crop	Stage	Advisory
Paddy	Vegetative stage	Light rains are beneficial. Maintain 2–3 cm water in field. Apply top dressing of nitrogen (urea) if not yet done. Monitor for leaf folder and blast.
Maize	Tasseling stage	Ensure adequate soil moisture during tasseling—most critical stage. Light irrigation needed if rain is insufficient. Avoid spraying during tasseling.
Finger millet	Vegetative stage	Favorable for vegetative growth. Intercultural operations can be done. Apply nitrogen top dressing after rains.
Tomato	Flowering	Avoid water stagnation. Stake plants to prevent lodging. Spray borax (0.2%) to prevent flower drop. Monitor for thrips and leaf curl virus.
Chilli	Fruit formation stage	Ensure good drainage. Apply potassium-rich fertilizers for fruit setting. Monitor for sucking pests and fruit rot after rains.
Banana	Fruit development stage	Support plants to prevent lodging due to wind. Maintain basin cleanliness. Apply potash and micronutrients if not done.
Black gram, Green gram and cowpea	Sowing	Rains are favorable for sowing. Choose well-drained fields. Avoid sowing just before the 21st (moderate rain) to prevent seed rotting.
Sugarcane	Vegetative	Light rain is good. Carry out earthing-up if not done. Top-dressing of nitrogen after rainfall is beneficial. Control early shoot borer.
Mango	Fruit development stage	Light rain is favorable. Ensure fruit fly traps are installed. Spray potassium nitrate (1%) for fruit development and to prevent spongy tissue.
Vegetable crops	Various stages	Ensure drainage to avoid root rot. Spraying should be planned before rainfall. Check for fungal/pest issues post-rain and apply need-based treatment.

Livestock, Poultry, and Sericulture Advisory

Sector	Weather-Based Advisory
Livestock	Ensure clean, shaded, and well-ventilated shelters to prevent heat and humidity stress. Provide plenty of clean drinking water . Use fans if possible. Avoid grazing during midday heat . Supplement with mineral mixture and salt licks to maintain animal

	health. Regularly check hooves and shelter hygiene due to increased moisture.
Poultry	Maintain proper cross-ventilation and ensure adequate space in sheds to avoid crowding. Sprinkle water around sheds to reduce temperature. Provide cool, clean water with electrolytes . Feed birds during early morning and evening . Ensure dry bedding to prevent fungal issues due to humidity.
Sericulture	Maintain optimal rearing room temperature (26–28°C) and humidity (75–80%) through humidifiers or water sprinkling . Avoid overcrowding of worms. Provide well-moistened mulberry leaves , and protect mulberry gardens from rain damage using proper drainage and partial shade. Monitor for fungal diseases due to changing humidity.

Recommendation to farmers

Crop specific advisory:

Crop	Stage	Advisory
Cabbage diamond back moth	Head stage	<ul style="list-style-type: none"> 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 . Birdpurchases 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	<p>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.</p>
Banana Leaf spot (sigatoka)	Fruit development	<p>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)Theiophenate methyl 70 Wdiv.- 1.0 g. c)Carbendazim 50 Wdiv.- 1.0 g. d)Metham Sodium (Vapom) - 1.0 g.</p>

		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 18-04-2025 to 22-04-2025)					
Krishnarajpet					
Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	0.6	0.6	2.5	8.2	3.8
Max. temp (°C)	33	33.2	33.9	34.8	35.2
Min.Temp (°C)	22.2	22.1	22.2	22.4	22.4
Sky condition (Octas)	3	4	4	4	4
Relative humidity (%) 0830 hours	80.4	82.6	82.7	84	77.9
Relative humidity (%) 1730 hours	35.5	34	40.4	34.6	30
Wind Speed (kmph)	6	8.7	9.3	5.2	6.6
Wind Direction	252.6	262.9	283.5	286	240.6

Maddur					
Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	3.1	1.4	4.7	2.4	0.7
Max. temp (°C)	35	35.1	36	36.4	36.7
Min.Temp (°C)	23.5	23.2	23.6	23.6	23.4
Sky condition (Octas)	3	5	5	4	4
Relative humidity (%) 0830 hours	81.3	84.8	82.1	84.2	79.1
Relative humidity (%) 1730 hours	34.9	36.6	42.5	37.1	32.8
Wind Speed (kmph)	7.2	8.5	8.6	5.4	7.4
Wind Direction	243.4	257.7	272.4	266.2	227

Malvalli					
Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	2.6	2.7	5.3	2.1	0.6
Max. temp (°C)	35.2	35.2	35.7	36.2	36.8
Min.Temp (°C)	23.8	23.5	23.8	23.8	23.7
Sky condition (Octas)	4	5	5	4	4
Relative humidity (%) 0830 hours	80.3	84.2	81.5	83.5	77.8
Relative humidity (%) 1730 hours	31.5	35.3	41	34.4	30.5

Wind Speed (kmph)	7.2	9.2	9	6.5	8.5
Wind Direction	243.4	258.7	272.3	0	233.6

Mandya					
Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	1.3	1.9	4.4	4.6	1.2
Max. temp (°C)	34.1	34.1	35.4	36	36.4
Min.Temp (°C)	23	22.8	23.1	23.2	23
Sky condition (Octas)	3	5	5	4	4
Relative humidity (%) 0830 hours	83	85.9	83.7	84.6	79.8
Relative humidity (%) 1730 hours	33.7	36.8	43.4	35.8	30.2
Wind Speed (kmph)	8.4	9.9	10.1	5.8	7.9
Wind Direction	250	259.5	276.1	277.1	230.5

Nagamangala					
Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	0.8	0.6	1.4	8.5	2
Max. temp (°C)	33.7	33.6	34.8	35.5	35.9
Min.Temp (°C)	22.6	22.5	22.6	22.6	22.7
Sky condition (Octas)	3	4	4	4	4
Relative humidity (%) 0830 hours	77.7	81.7	82.3	82.5	76.2
Relative humidity (%) 1730 hours	38.1	37	40.2	34.9	31
Wind Speed (kmph)	6.8	8.6	10.3	6.1	6.9
Wind Direction	251.6	267.6	282.1	0	242.1

Pandavapura					
Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	1.4	2.1	4.6	4.1	2.3
Max. temp (°C)	33.5	33.7	34.9	35.6	36.2
Min.Temp (°C)	22.8	22.6	22.9	22.9	22.7
Sky condition (Octas)	3	5	4	4	4
Relative humidity (%) 0830 hours	82.8	85.9	84.2	86.2	79.6
Relative humidity (%) 1730 hours	34.7	35.6	43	36.7	29.6
Wind Speed (kmph)	8.4	10.2	10.1	6.2	8.4
Wind Direction	250	259.9	276.1	276.7	239

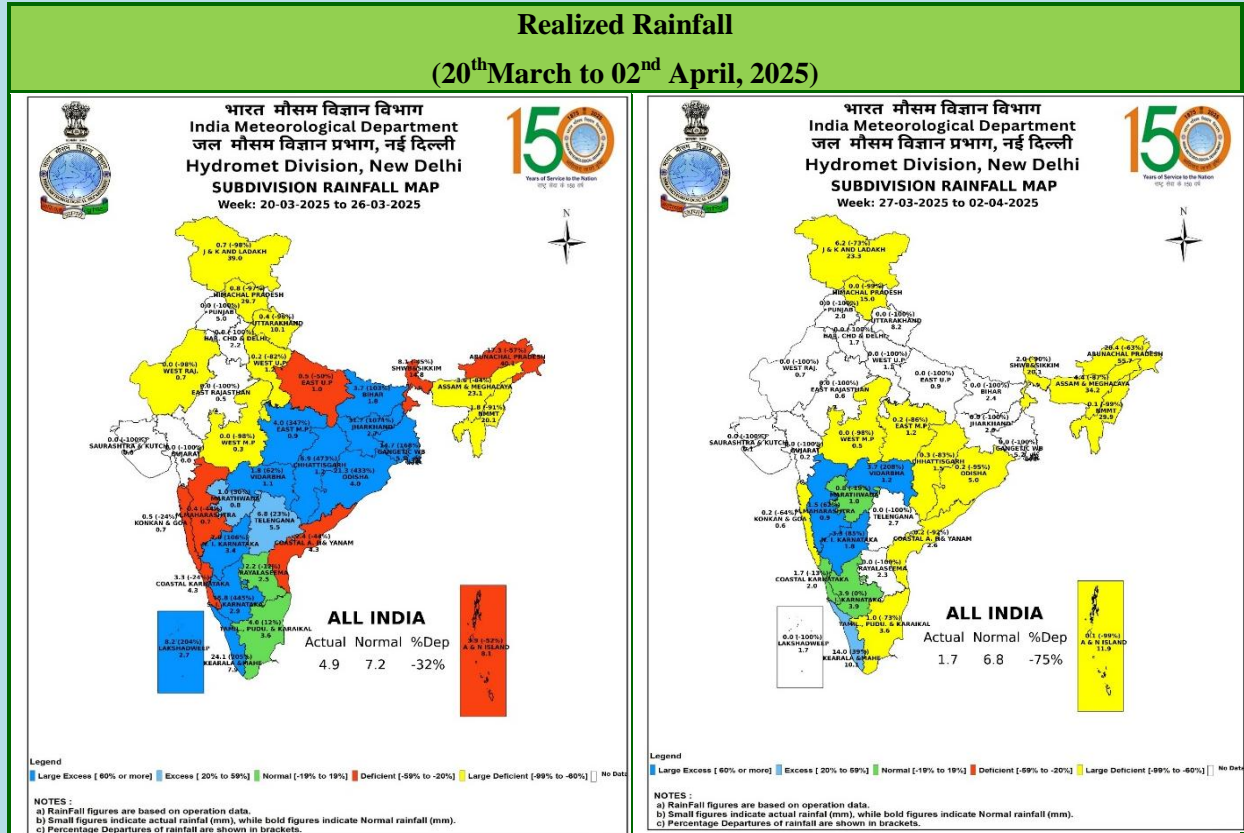
Shrirangapattana					
Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	1.6	2.3	4.2	4.1	2.3
Max. temp (°C)	33.9	34.1	35.1	35.9	36.1
Min.Temp (°C)	23	22.8	23.1	23.2	22.9
Sky condition (Octas)	4	5	5	4	5
Relative humidity (%) 0830 hours	82.5	86.5	83.3	84.8	80.1
Relative humidity (%) 1730 hours	34.2	35.2	43.3	37.1	32.5
Wind Speed (kmph)	8.1	11.4	10.8	7.2	9.3
Wind Direction	249.1	257.3	273.8	272.9	234.4

- 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.

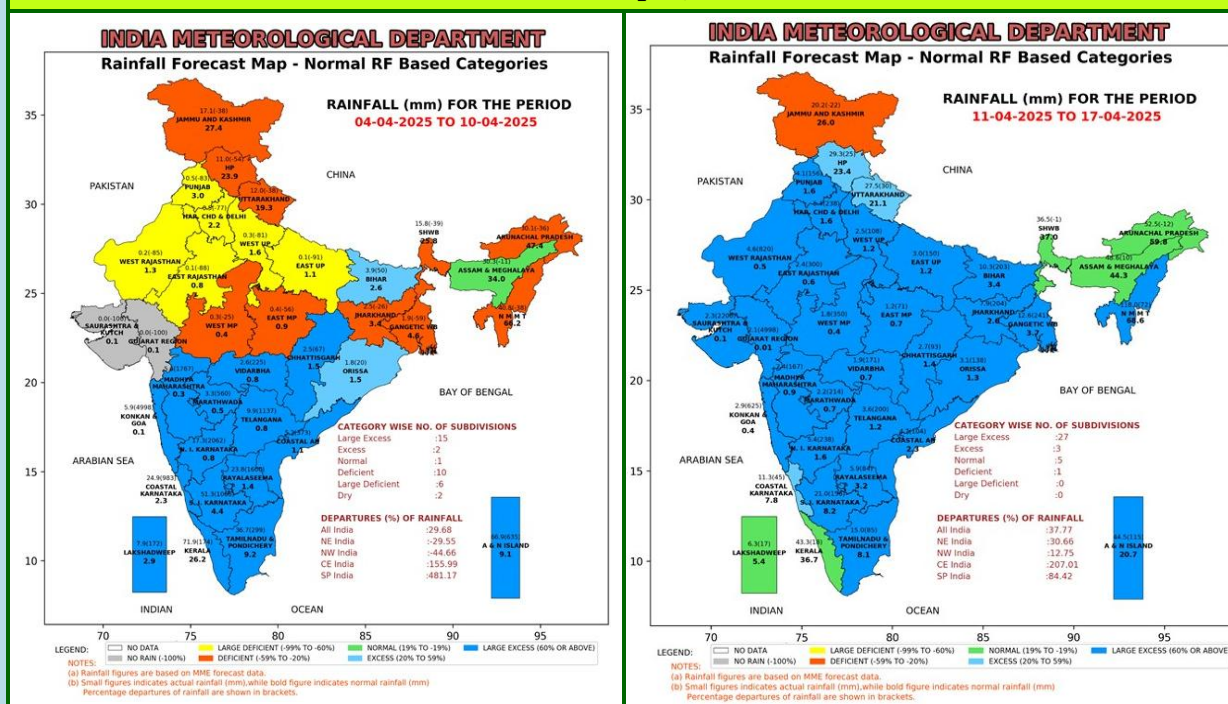
AMFU of IMD, Naganahalli, Mysuru

वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
(वर्षा और तापमान)
(Rainfall and Temperature)



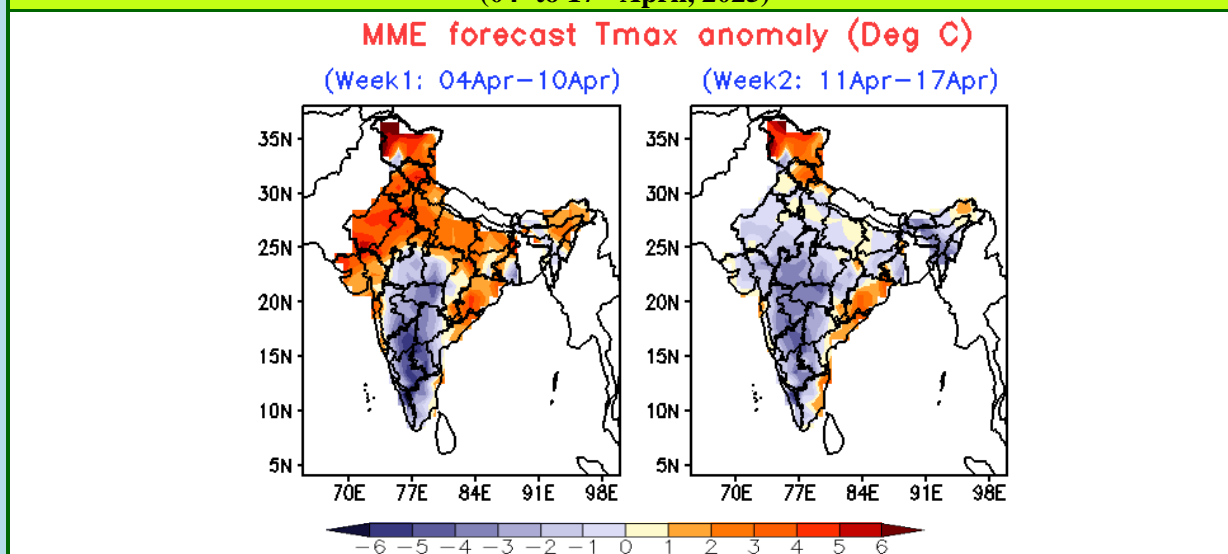
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 02nd April,2025) (04th to 17th April, 2025)



- Week1(04.04.2025 to 10.04.2025):** Rainfall is likely to be above normal over Kerala, Tamil Nadu, Karnataka, Telangana and Rayalaseema. Rainfall activity is also likely over North East India, Jammu & Kashmir, Himachal Pradesh, Uttarakhand and some parts of Maharashtra.
- Week 2 (11.04.2025 to 17.04.2025):** Rainfall is likely to be above normal over South Karnataka and some parts of North East India, Kerala and Tamil Nadu. Rainfall activity is also likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Bihar, Gangetic West Bengal, some parts of Punjab and Jharkhand.

Maximum and Minimum temperature anomaly ($^{\circ}$ C) forecast for the next 2 weeks (IC- 02nd April,2025) (04th to 17th April, 2025)



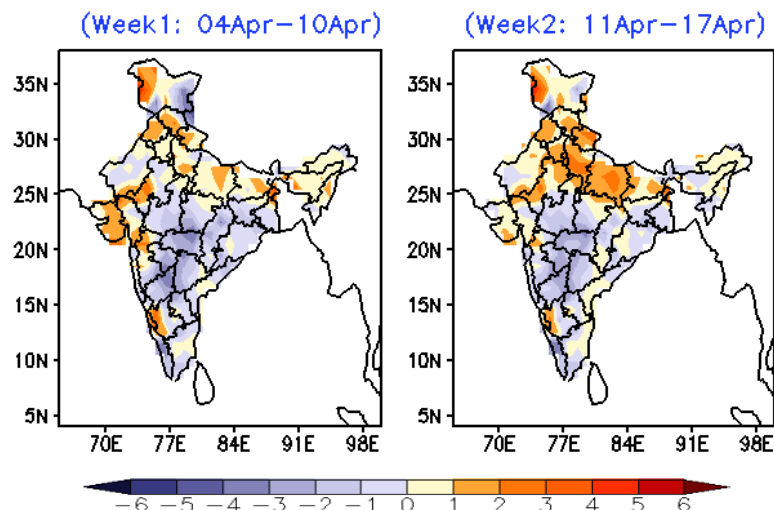
Maximum Temperature (Tmax)

- Week 1 (04.04.2025 to 10.04.2025):** Maximum temperature is likely to be above normal

over North West India, East India, many parts of North East India, Gujarat, Konkan-Goa and some parts of Chhattisgarh. However, it is likely to be below normal over South India, many parts of Central and West India.

- **Week 2 (11.04.2025 to 17.04.2025):** Maximum temperature is likely to be below normal over most parts of country except Jammu & Kashmir, Himachal Pradesh, Odisha, Coastal Andhra Pradesh and coastal regions of Tamil Nadu where it is likely to be above normal.

MME forecast Tmin anomaly (Deg C)



Minimum Temperature (Tmin)

- **Week 1 (04.04.2025 to 10.04.2025):** Minimum temperature is likely to be below normal over many parts of Central India, East India and South India. However, it is likely to be above normal over many parts of North West India, North East India, Bihar, Gujarat, Madhya Maharashtra and Karnataka.
- **Week 2 (11.04.2025 to 17.04.2025):** Minimum temperature is likely to be below normal over many parts of Central India, East India and South India. However, it is likely to be above normal over North West India & Bihar and parts of North East India, Gujarat and Karnataka.