

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



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



Date:16-05-2025

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	13.05.2025	14.05.2025	15.05.2025	16.05.2025
Rainfall (mm)	23.5	11.5	3.5	0.5
Max. Temp. (°C)	34.3	33.8	33.2	33.5
Min. Temp. (°C)	20.3	22	22.8	22.9
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	97	96	97	93
Relative humidity (%) 1730 hours	47	55	46	-
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 17-05-2025 to 21-05-2025)

Parameter	17.05.2025	18.05.2025	19.05.2025	20.05.2025	21.05.2025
Rainfall (mm)	17	12	14	14	12
Max. temp (°C)	33	33	32	33	33
Min.Temp (°C)	23	22	23	23	23
Sky condition (Octas)	7	5	6	6	5
Relative humidity (%) 0830 hours	85	85	87	86	88
Relative humidity (%) 1730 hours	46	47	53	62	54
Wind Speed (kmph)	12	6	12	12	6
Wind Direction	267	262	259	260	254

Forecast Summary

As forecast received from IMD, cloudy sky with **moderate rainfall** may be expected from **17.05.2025 to 21.05.2025** in Mandya district. The day temperature is expected to be 32-33°C & night temperature is expected to be 22-23°C. The relative humidity in the morning hours is expected to be 85-88% & afternoon relative humidity is expected to be in the range of 46-62% Wind speed expected to be 6-12 km/ hr.

General Advisory:

- Ensure field drainage to avoid water stagnation due to expected rainfall.
- Spray fungicides to prevent fungal diseases favored by high humidity.
- Provide support to tall crops like banana and papaya against wind damage.
- Complete weeding/intercultivation during dry spells to retain soil moisture.
- Keep livestock shelters dry and ventilated; provide clean drinking water.

SMS Advisory:

Expect daily rain; delay irrigation, avoid pesticide spraying during rain, store fodder dry, and protect harvested produce.

Crops and Suitable Varieties for Sowing in May

Crop Type	Crop Name	Recommended Varieties
Millets & Cereals	Ragi	Indaf-9, GPU-45, 23.2.0350-48
	Maize (Shaktiman Maize)	CSV-4, CSH-5, CSH-9
	Sweet Corn	Hema, Nityashree, MAH-14-5, MAH-14-138
	Pop Corn	Amba
	Foxtail Millet (Navane)	SIA-326
	Barnyard Millet (Haraka)	RBK-155, GPUK-3
	Little Millet (Same)	CO-2, OLM-203
	Proso Millet (Baragu)	GPUP-8, GPUP-21
	Kodo Millet (Oodalu)	DHB M-93-3
	Browntop Millet (Korale)	GPUBT-2
Pulses	Red Gram	BRG-1, 2, 3, 4, 5, ICP-7035, TTB-7, Hyderabad-3C
	Green Gram	PS-16, Pusa Baisakhi, PDM-84-178, ..30-3
	Black Gram	Karagaon-3, T-9, Rashmi (LBG-625), LBG-791 (Suraksha)
	Cowpea	TVX-944-02I, KBC-1, KBC-2, KM-9, KM-5, KC-8 (KBC-11), PGCP-6
Oilseeds	Groundnut	GKVK-5, KCG-6 (Chintamani-6), GPBD-4, ICGV-91114, JL-24, TMV-2, GKVK-27
	Soybean (Irrigated)	MAUS-2 (Pooja), Karune (vegetable type), KBS-23
	Sesame	GT-1, Navile-1 (Tunga), TMV-3, T-7, GKVK S-1
Horticultural	Fruits & Vegetables	Banana, Arecanut, Chilli, Turmeric, Potato, Ginger
Fodder Crops	Fodder Sorghum	JESET-3
	Cowpea (Fodder)	MFC-09-01, MFC -08-14, MFC -09-03
	Bajra-Napier Grass	PBN-342

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.

		<ul style="list-style-type: none"> 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. In Mashy area provide drainage.</p>
Field bean pod borer	Pod development	<p>Dust 10 kg. Fenvalrate 0.4 D. OR Malathion 5 D. per acre during morning hours.</p>

Block level weather forecast (From 17-05-2025 to 21-05-2025)					
Krishnarajpet					
Parameter	17.05.2025	18.05.2025	19.05.2025	20.05.2025	21.05.2025
Rainfall (mm)	4	7.2	11.7	20.8	15.6
Max. temp (°C)	30.5	29.5	29.2	26.9	27.4
Min.Temp (°C)	22.2	22.1	22	21.7	21.2
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	83.7	83.4	84.1	85.4	85.2
Relative humidity (%) 1730 hours	49.1	52.5	50.2	62.5	56.7
Wind Speed (kmph)	5.2	6.9	6.8	8.4	8.1
Wind Direction	245.2	264	273	250	257.2

Maddur					
Parameter	17.05.2025	18.05.2025	19.05.2025	20.05.2025	21.05.2025
Rainfall (mm)	9.5	10	9.7	11.5	13.8
Max. temp (°C)	32.2	30.6	29.6	28.2	28.5
Min.Temp (°C)	22.9	22.8	22.6	22.2	21.8
Sky condition (Octas)	6	7	8	8	8
Relative humidity (%) 0830 hours	87.7	90.5	91.4	89.5	90.3
Relative humidity (%) 1730 hours	47.3	54.8	55.8	64.5	56
Wind Speed (kmph)	5.5	4	5.8	7.9	8.1
Wind Direction	238.4	243.4	248.2	239.9	257.2

Malvalli					
Parameter	17.05.2025	18.05.2025	19.05.2025	20.05.2025	21.05.2025
Rainfall (mm)	5.7	8.4	9.2	11	12.3
Max. temp (°C)	32.7	30.6	29.9	28.2	28.8
Min.Temp (°C)	23.1	23	22.8	22.5	21.9
Sky condition (Octas)	6	8	8	8	7
Relative humidity (%) 0830 hours	86.8	88.4	89.9	87.8	89.4
Relative humidity (%) 1730 hours	45.9	55.2	53.9	63.1	54.2
Wind Speed (kmph)	4.9	4	7.2	8.2	8.8
Wind Direction	252.9	243.4	252.5	246.8	258.2

Mandya					
Parameter	17.05.2025	18.05.2025	19.05.2025	20.05.2025	21.05.2025
Rainfall (mm)	6	7.8	10.1	16	15.2
Max. temp (°C)	31.8	30.2	29.7	28.1	27.9
Min.Temp (°C)	22.7	22.5	22.2	22	21.6
Sky condition (Octas)	6	8	8	8	8
Relative humidity (%) 0830 hours	87.9	89.3	90.8	89.5	90.6
Relative humidity (%) 1730 hours	48.6	54.3	53.3	63.1	57.8
Wind Speed (kmph)	6.1	5	6.4	8	8.8
Wind Direction	241.9	249	253.6	243.4	258.2

Nagamangala					
Parameter	17.05.2025	18.05.2025	19.05.2025	20.05.2025	21.05.2025
Rainfall (mm)	7.1	10.8	13.6	22.4	15.1

Max. temp (°C)	31	29.6	29.6	27.4	27.2
Min.Temp (°C)	22.2	22.2	22.1	21.5	21.2
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	84.2	85.4	85.2	87.1	86.4
Relative humidity (%) 1730 hours	48.6	53.3	52.8	63.4	59.2
Wind Speed (kmph)	6.3	6.5	7.6	8.1	9.5
Wind Direction	246.4	263.7	272.7	257.2	259.1

Pandavapura					
Parameter	17.05.2025	18.05.2025	19.05.2025	20.05.2025	21.05.2025
Rainfall (mm)	4.4	7.7	10.1	14.2	15.6
Max. temp (°C)	31.2	30.1	29.6	27.8	27.8
Min.Temp (°C)	22.4	22.4	22.2	21.8	21.5
Sky condition (Octas)	6	8	8	8	8
Relative humidity (%) 0830 hours	87	86.4	88.2	87.8	88.7
Relative humidity (%) 1730 hours	49.8	53.7	52.6	62.6	57.7
Wind Speed (kmph)	6.3	6.3	6.7	8.4	8.9
Wind Direction	246.4	256.8	254.5	244.5	256

Shrirangapatna					
Parameter	17.05.2025	18.05.2025	19.05.2025	20.05.2025	21.05.2025
Rainfall (mm)	3.6	6.3	9.5	11.4	18.7
Max. temp (°C)	31.6	30.1	29.6	27.7	28.1
Min.Temp (°C)	22.6	22.6	22.2	22	21.6
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	87	86.3	88.8	86.8	89.7
Relative humidity (%) 1730 hours	49.5	55.4	54.2	63	57
Wind Speed (kmph)	6	6.2	7.5	9	10
Wind Direction	252.6	249.4	253.3	241.4	257.5

- 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

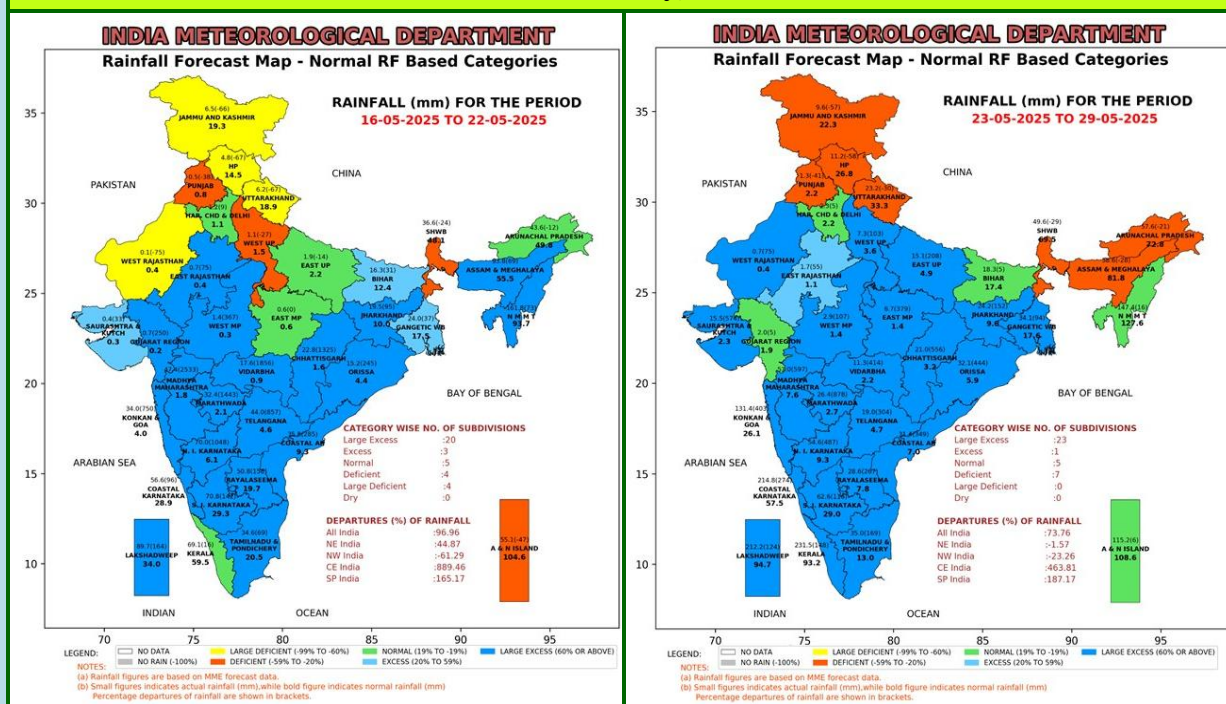
वास्तविकवर्षातथाविस्तारितअवधिपूर्वानुमान
Realized Rainfall and Extended Range Forecast
(वर्षाऔरतापमान)
(Rainfall and Temperature)

Realized Rainfall
(01st to 14th May, 2025)



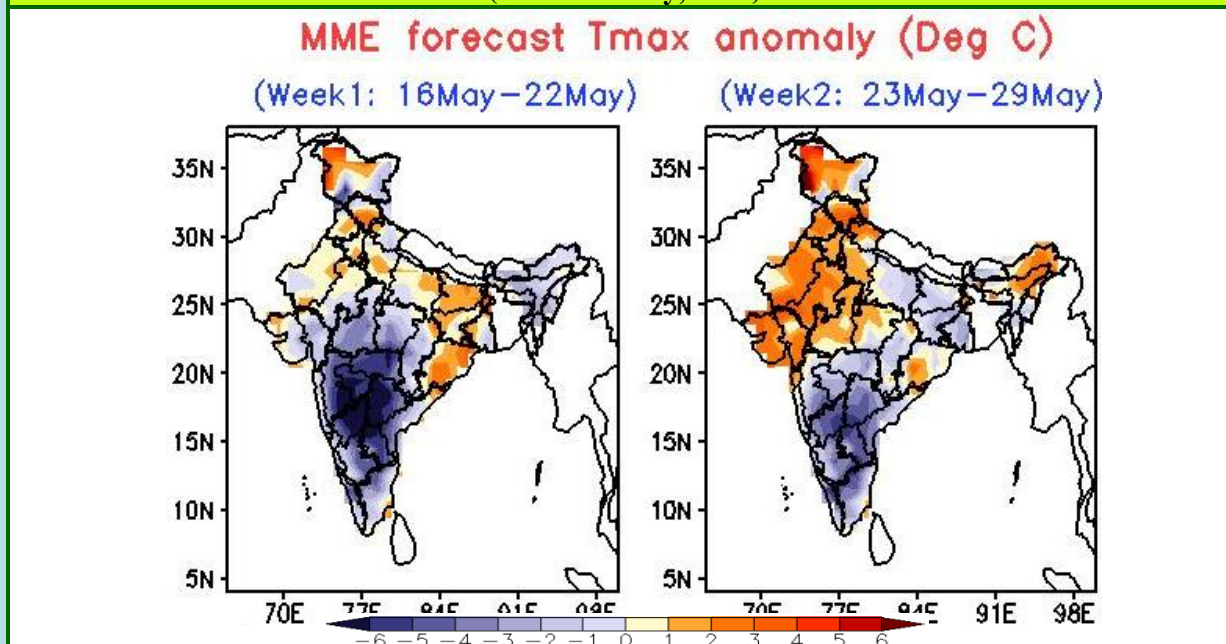
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 14th May,2025) (16th to 29th May, 2025)



- Week1(16.05.2025 to 22.05.2025):** Rainfall is likely to be above normal over South India, Maharashtra, Odisha and many parts of North East India.
- Week 2 (23.05.2025 to 29.05.2025):** Rainfall is likely to be above normal over South India, Maharashtra, many parts of East India, Nagaland Manipur Mizoram & Tripura, Chhattisgarh and East Uttar Pradesh.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 14th May,2025) (16th to 29th May, 2025)



Maximum Temperature (Tmax)

- Week 1 (16.05.2025 to 22.05.2025):** Maximum temperature is likely to be above normal over many parts of North West India and East India and below normal over remaining parts of

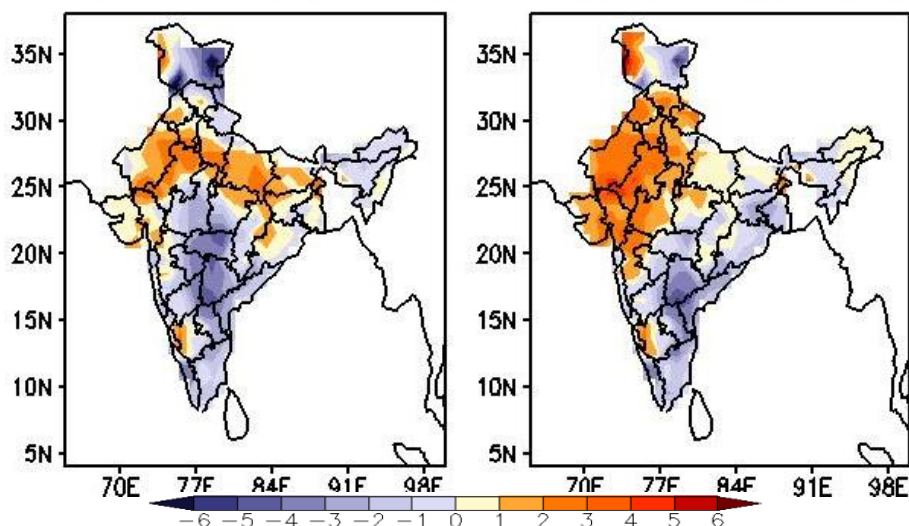
the country.

- **Week 2 (23.05.2025 to 29.05.2025):** Maximum temperature is likely to be above normal over North West India, Gujarat, Madhya Pradesh, some parts of Odisha, Assam and Arunachal Pradesh and below normal over remaining parts of the country.

MME forecast Tmin anomaly (Deg C)

(Week1: 16May–22May)

(Week2: 23May–29May)



Minimum Temperature (Tmin)

- **Week 1 (16.05.2025 to 22.05.2025):** Minimum temperature is likely to be above normal over many parts of North West India, East India and some parts of Karnataka and below normal over remaining parts of the country.
- **Week 2 (23.05.2025 to 29.05.2025):** Minimum temperature is likely to be above normal over many parts of North West India, Gujarat, Madhya Maharashtra and some parts of Karnataka and below normal over remaining parts of the country.