

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



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



Date:18-07-2025

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	15.07.2025	16.07.2025	17.07.2025	18.07.2025
Rainfall (mm)	0	0	17.5	0
Max. Temp. (°C)	28.7	29.1	30.1	29.1
Min. Temp. (°C)	20.9	21.5	21.4	21.1
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	97	97	97	97
Relative humidity (%) 1730 hours	58	59	56	60
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 19-07-2025 to 23-07-2025)

Parameter	19.07.2025	20.07.2025	21.07.2025	22.07.2025	23.07.2025
Rainfall (mm)	12	10	10	8	8
Max. temp (°C)	29	29	29	29	29
Min.Temp (°C)	21	21	21	21	21
Sky condition (Octas)	6	6	6	5	5
Relative humidity (%) 0830 hours	90	92	92	92	91
Relative humidity (%) 1730 hours	70	71	73	76	72
Wind Speed (kmph)	12	12	12	14	14
Wind Direction	258	263	261	249	253
Weather Warning	Gusty wind	Gusty wind	Gusty wind	Gusty wind	Gusty wind

*GW - Gusty wind, TSH – Thunderstorm

Forecast Summary

As forecast received from IMD, cloudy sky with **light rainfall** may be expected from **19.07.2025 to 23.07.2025** in Mandya district. The day temperature is expected to be 29°C & night temperature is expected to be 21°C. The relative humidity in the morning hours is expected to be 90-92% & afternoon relative humidity is expected to be in the range of 70-76% Wind speed expected to be 12-14 km/ hr.

General Advisory:

1. • **Irrigation:**
 - Since only light to moderate rainfall is expected, farmers are advised to **continue irrigation** in all **field crops** and **horticultural crops** based on crop stage and soil moisture.
 - Use **drip or sprinkler systems** if available to conserve water.
2. **Weed Management:**
 - Conduct **weeding** operations as fields are relatively dry.
 - Apply **pre-emergent herbicides** where sowing has recently been completed.
3. **Fertilizer Application:**
 - Suitable time for **top dressing of nitrogen** (e.g., urea) in standing crops.
 - Ensure **adequate soil moisture** before fertilizer application.
4. **Plant Protection:**
 - Keep watch for **pest and disease incidence**, especially in vegetable crops.
 - Ensure timely application of **recommended pesticides/fungicides**.
5. **Horticulture Crops:**
 - **Irrigate fruit orchards** (banana, mango, sapota, etc.) as per schedule.
 - Perform **mulching** to retain soil moisture and suppress weed growth.
6. **Livestock:**
 - Ensure **clean drinking water** for animals.
 - Provide **shade/shelter** during mid-day heat.
7. **Post-harvest:**
 - Store harvested produce (grains/fruits) in **dry and ventilated** areas to avoid spoilage due to high humidity.

SMS Advisory:

Light to moderate rain for 5 days. Irrigate field & horticulture crops. Carry out weeding, fertilizer, pest mgmt. Ensure livestock water & shelter.

Crops and Suitable Varieties for Sowing in July

- Paddy (Rice)
- General Sowing: MSN-99
 - Late June (3rd-4th week): BR-2655, Jaya
 - Aerobic Paddy: Daksha (KMP-175), Onnasiri (MAS-26), Sharada (MAS-946), Anagha (ARB-6), Rashi
- Ragi (Finger Millet): Indaf-8, MR-1, MR-6, L-5, KMR-301, GPU-45, KMR-316
- Maize (Shaktiman Maize): CSH-5, CSH-9
- Pearl Millet (Musuku Jola): Hema, Nithyashree, MAH-14-5, MAH-14-138, MAH-15-84
- Popcorn: Amber
- Bajra (Pearl Millet): WCC-75, PHVB-910
- Late June (3rd-4th week): ICTP-8203, SMV-221, MH-946 (GHB-558)
- Foxtail Millet (Navane): PS-4, SIA-326, GPUF-3
- Horsegram (Haraka): RBK-155, GPUK-3
- Little Millet (Same): CO-2, OLM-203, GPUL-6, GPUL-11
- Proso Millet (Oodalu): DHBM-93-3
- Kodo Millet (Korale): GPUBT-2
- Red Gram (Pigeon Pea / Togari): BRG-1, BRG-2, BRG-3, BRG-4, BRG-5, ICP-7035, TTB-7, Hyderabad-3C

Groundnut (Nelekadale): GKVK-5, KCG-6 (Chintamani-6), GPBD-4, ICGV-91114, JL-24, TMV-2, GKVK-27

Sunflower: KBSH-41, 90, 44, 53, 78, 85

Soybean (Soya Avare): MAUS-2 (Pooja), Karune (vegetable soybean), KBS-23

Cotton: DCS-9 (Jyoti), 48-1 (Jwala)

- Hybrid Varieties: DCH-177, GCH-4, 30.N.23-66

Sesame (Hucchellu) - 4th week of June: KBN-1, No.71, KBN-2, 52: 2.2-62175, 2.2-86032, 2.2.A.2-18061

Horticultural Crops

- Vegetables: Tomato, Potato, Brinjal, Chilli, Cabbage, Radish, Knol-khol, Carrot, Onion
- Fruits: Mango, Banana, Lime, Guava, Sweet lime, Sapota, Papaya, Pomegranate, Pineapple, Cashew
- Spices: Garlic, Ginger, Turmeric, Cardamom

Fodder Crops

- Sorghum (Fodder Maize): JS-SF-3
- Cowpea (Fodder): MF-09-01, MF-08-14, 2-09-03
- Napier-Bajra Hybrid Grass: PBN-342

Recommendations to the farmers:-

Weather based advisory

Crop	Stage	Advisory Based on Forecast
Paddy	Kharif- Nursery preparation	- Prepare raised beds to prevent water stagnation. - Avoid seed sowing during peak rainfall periods. - Use windbreaks or shade nets to protect young seedlings. - Ensure drainage to avoid water logging.
Maize	Vegetative	- Maintain field drainage during heavy rain. - Provide staking/support against gusty winds. - Apply top-dressing of nitrogen before rain for better nutrient uptake.
Tomato	Fruit formation	- Protect fruits from cracking using light mulch. - Ensure proper staking. - Monitor for fungal diseases (blight, rot) due to high humidity.
Chilli	Fruit formation	- Ensure good drainage. - Spray fungicide preventively to avoid fruit rot. - Protect from wind damage using physical barriers if needed.
Banana	Fruit development	- Provide strong propping to prevent plant lodging. - Remove dry and dead leaves to reduce disease incidence. - Mulch around base to retain soil moisture.
Black gram, Green gram, Red gram, Field bean, Cowpea	Vegetative	- Watch for waterlogging, especially in low-lying fields. - Support trailing varieties to avoid lodging. - Monitor for early signs of pest/disease with increased humidity.
Sugarcane	Vegetative	- Ensure water does not stagnate near root zone. - Remove weeds promptly after rains. - Light earthing-up if needed to support stems.
Vegetable crops (general)	Various stages	- Maintain drainage across fields. - Avoid overhead irrigation during high humidity. - Monitor for fungal infections and pest buildup.

Category	Advisory
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Livestock	Provide clean and fresh drinking water regularly due to moderate temperatures. Ensure well-ventilated, dry, and shaded shelters to protect animals from humidity and mild rainfall. Monitor animals for signs of respiratory issues due to humid conditions.
Poultry	Keep poultry sheds dry and well-ventilated. Avoid overcrowding to reduce stress and disease risk during humid and rainy days. Provide clean water and balanced feed during cooler morning and evening hours. Maintain hygiene to prevent fungal and bacterial infections.

Block level weather forecast (From 19-07-2025 to 23-07-2025)

Krishnarajpet

Parameter	19.07.2025	20.07.2025	21.07.2025	22.07.2025	23.07.2025
Rainfall (mm)	8.7	12.4	8.1	6.3	4.5
Max. temp (°C)	26.4	25	24.6	24.6	25.5
Min.Temp (°C)	21.1	20.6	20.4	20.4	20.4
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	89.8	93.9	92.8	93.4	92.7
Relative humidity (%) 1730 hours	70.1	75.1	78.1	78.7	73.8
Wind Speed (kmph)	11.7	13.8	12.8	15	17.3
Wind Direction	261.1	264	258.7	249	253.1

Maddur

Parameter	19.07.2025	20.07.2025	21.07.2025	22.07.2025	23.07.2025
Rainfall (mm)	12.2	11.5	14.8	7.3	3.2
Max. temp (°C)	27.2	26.2	26.4	25.8	26.7
Min.Temp (°C)	21.8	21.4	21.1	21.1	21.1
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	89.6	92	91.3	91.6	90.7
Relative humidity (%) 1730 hours	69.6	68.2	68.6	72.6	69.8
Wind Speed (kmph)	11.3	12.6	12.4	14.6	14.9
Wind Direction	253.3	256.8	260	249.8	250.2

Malvalli

Parameter	19.07.2025	20.07.2025	21.07.2025	22.07.2025	23.07.2025
Rainfall (mm)	9.4	11.3	12.2	6.6	3.1
Max. temp (°C)	27.2	25.5	26.2	25.7	26.6
Min.Temp (°C)	21.9	21.4	21.2	21.2	21.2
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	89.4	92.4	91.2	90.3	90.5
Relative humidity (%) 1730 hours	68.2	69.2	68.7	71	69.1

Wind Speed (kmph)	13.2	15.2	14.4	16.6	16.5
Wind Direction	252.5	256.3	257	248.4	249.6

Mandya					
Parameter	19.07.2025	20.07.2025	21.07.2025	22.07.2025	23.07.2025
Rainfall (mm)	10.4	11.3	10.4	5.8	3.4
Max. temp (°C)	27.1	25.9	26.1	25.5	26.4
Min.Temp (°C)	21.6	21.1	20.8	20.8	20.8
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	89.6	92.5	91.7	92.1	90.8
Relative humidity (%) 1730 hours	69.5	69.7	69.5	73.1	70.4
Wind Speed (kmph)	12.1	13.6	13.3	15.5	17.3
Wind Direction	252.6	257.8	257.5	248.2	249.3

Nagamangala					
Parameter	19.07.2025	20.07.2025	21.07.2025	22.07.2025	23.07.2025
Rainfall (mm)	10.6	9.3	9.2	5.9	1.8
Max. temp (°C)	26.5	25.7	25.2	24.9	26.2
Min.Temp (°C)	21.2	20.8	20.6	20.7	20.5
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	89.2	91.2	91.4	91.4	91.4
Relative humidity (%) 1730 hours	69.5	70.2	73.7	76.6	72.2
Wind Speed (kmph)	13.8	16.2	15.5	16.5	17.8
Wind Direction	264	268.7	264.7	253.5	256

Pandavapura					
Parameter	19.07.2025	20.07.2025	21.07.2025	22.07.2025	23.07.2025
Rainfall (mm)	9.8	15.5	11.8	6.2	5.6
Max. temp (°C)	26.6	25.7	25.7	25.1	26.1
Min.Temp (°C)	21.5	20.9	20.7	20.7	20.6
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	90.2	93.1	92.3	93	92.2
Relative humidity (%) 1730 hours	72.3	72.4	73	76.6	73.6
Wind Speed (kmph)	12.2	14	13.4	15.8	18.1

Wind Direction	251	258.1	256	245.8	249
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Shrirangapatna					
Parameter	19.07.2025	20.07.2025	21.07.2025	22.07.2025	23.07.2025
Rainfall (mm)	9.9	15.6	12.1	5.9	5.5
Max. temp (°C)	26.6	25	25.5	25.1	26.1
Min.Temp (°C)	21.4	20.9	20.7	20.8	20.8
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	91.2	93.6	92.9	92.4	92.3
Relative humidity (%) 1730 hours	73	74.8	74.3	76.8	73
Wind Speed (kmph)	12.3	14.6	13.5	16.1	16.9
Wind Direction	249.4	254.2	254.5	246.3	246.1

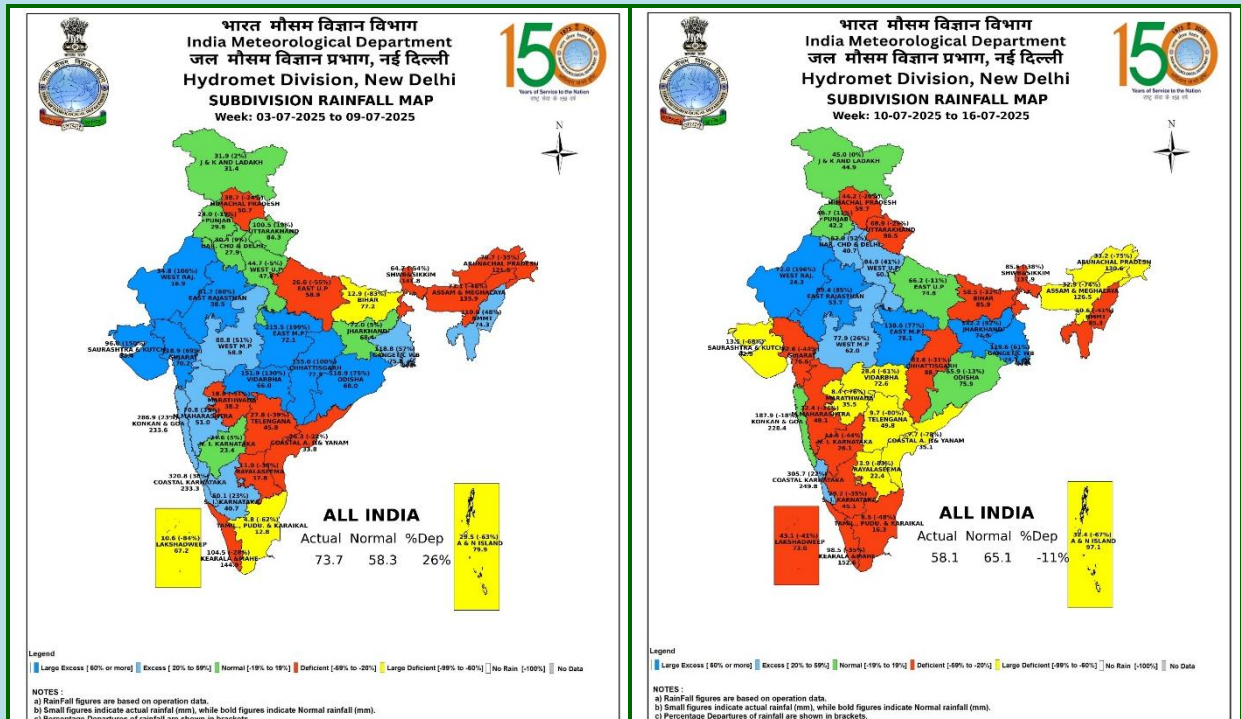
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

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

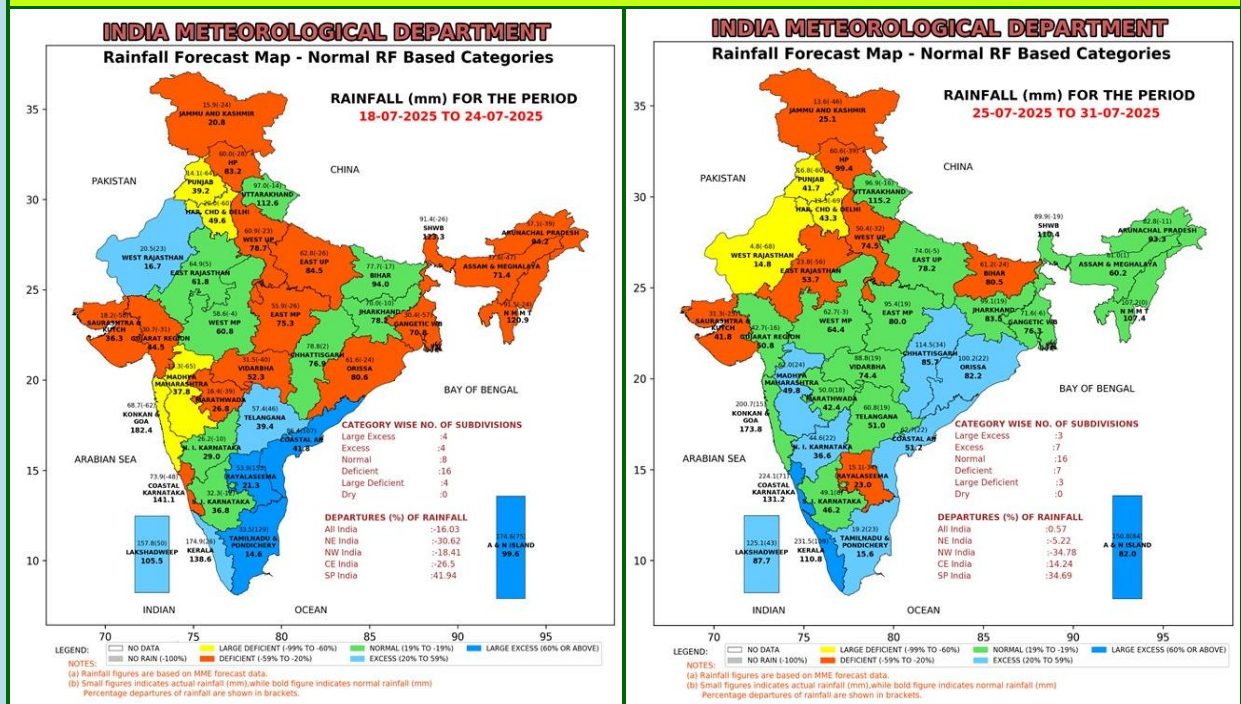
वास्तविकवर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
 (वर्षा और तापमान)
(Rainfall and Temperature)

Realized Rainfall
(03rd to 16th July, 2025)



Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 16th July,2025) (18th to 31st July, 2025)



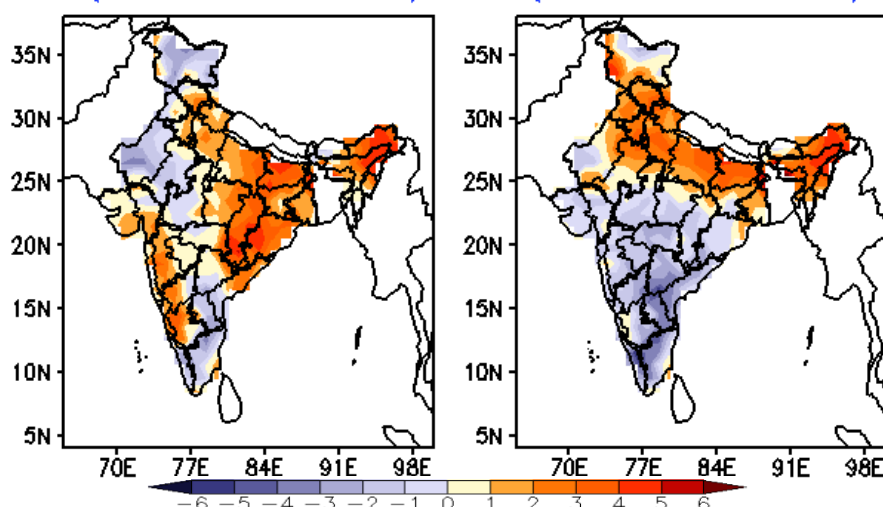
- Week1(18.07.2025 to 24.07.2025):** Rainfall is likely to be above normal over Kerala, Tamil Nadu, Andhra Pradesh, Telangana and East Rajasthan.
- Week 2 (25.07.2025 to 31.07.2025):** Rainfall is likely to be above normal over Central India, Odisha, Jharkhand, Maharashtra, Coastal Karnataka, Kerala, Coastal Andhra Pradesh and Telangana.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 16th July,2025) (18th to 31st July, 2025)

MME forecast Tmax anomaly (Deg C)

(Week1: 18Jul–24Jul)

(Week2: 25Jul–31Jul)



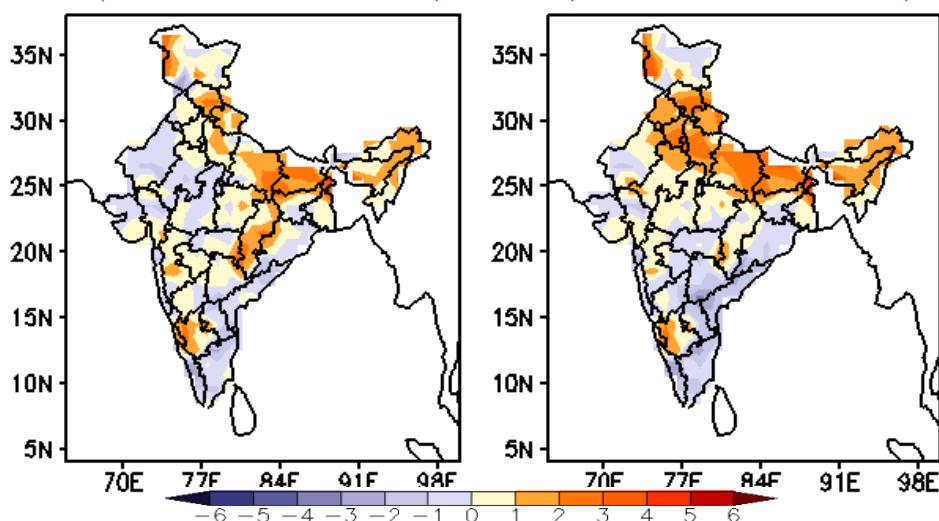
Maximum Temperature (Tmax)

- **Week 1 (18.07.2025 to 24.07.2025):** Maximum temperature is likely to be above normal over East and North East India, Chhattisgarh, East Madhya Pradesh, Uttar Pradesh, Haryana, Uttarakhand, Himachal Pradesh, Karnataka, Madhya Maharashtra, parts of Gujarat and Coastal Andhra Pradesh.
- **Week 2 (25.07.2025 to 31.07.2025):** Maximum temperature is likely to be above normal over North East India, Bihar, Gangetic West Bengal and most parts of North West India.

MME forecast Tmin anomaly (Deg C)

(Week1: 18Jul–24Jul)

(Week2: 25Jul–31Jul)



Minimum Temperature (Tmin)

- **Week 1 (18.07.2025 to 24.07.2025):** Minimum temperature is likely to be above normal over Chhattisgarh, many parts of North West India, East Madhya Pradesh, North East India, Bihar, Madhya Maharashtra and Karnataka.
- **Week 2 (25.07.2025 to 31.07.2025):** Minimum temperature is likely to be above normal over many parts of North West India, Central India, North East India, Madhya Maharashtra, Bihar, Gangetic West Bengal and Karnataka.