

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



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



Date: 19-08-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	16.08.2025	17.08.2025	18.08.2025	19.08.2025
Rainfall (mm)	1.5	0	3	1
Max. Temp. (°C)	26.4	28.3	27.2	26.4
Min. Temp. (°C)	21.4	21.4	21	21
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	92	90	98	90
Relative humidity (%) 1730 hours	71	60	64	67
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 20-08-2025 to 24-08-2025)

Parameter	20.08.2025	21.08.2025	22.08.2025	23.08.2025	24.08.2025
Rainfall (mm)	5	5	3	3	3
Max. Temp. (°C)	26	27	27	27	28
Min.Temp. (°C)	21	21	21	22	22
Sky condition (Octas)	6	5	5	5	4
Relative humidity (%) 0830 hours	86	88	90	90	91
Relative humidity (%) 1730 hours	61	53	49	48	46
Wind Speed (kmph)	12	10	10	8	8
Wind Direction	260	255	264	274	274

*GW - Gusty wind, TSH – Thunderstorm

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 20.08.2025 to 24.08.2025 in Chamarajanagara district. The day temperature is expected to be 26-28°C & night temperature is expected 21-22°C. The relative humidity in the morning hours is expected to be 86-91% & afternoon relative humidity is expected to be in the range of 46-61%. Wind speed expected to be 08-12 km/ hr.

General Advisory:

- ✓ **Wind Warning:** All crops are vulnerable to lodging or physical damage from gusty winds—take preventive structural/mechanical measures.
- ✓ **Disease Precaution:** High relative humidity (especially mornings) favors fungal/bacterial diseases—monitor crops closely.
- ✓ **Field Operations:** Schedule intercultural and pesticide applications during rain-free, low-wind periods.

SMS Advisory:

Rain and strong winds expected; support crops, ensure drainage, delay paddy transplanting during peak winds, and protect tomato and chilli from disease.

Crops and Suitable Varieties for Sowing in August**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	Weather-Based Advisory
Paddy	Vegetative	- Maintain optimum water level (2–3 cm) in field. - Apply recommended basal fertilizer post-transplanting.
Maize	Vegetative	- Provide staking/support against gusty winds. - Monitor for stem borer infestation due to high humidity. - Ensure proper drainage.
Tomato	Fruit formation	- Prevent fungal diseases (blight) using recommended fungicides due to high humidity & rainfall. - Avoid water stagnation.
Chilli	Fruit formation	- Spray preventive fungicides for anthracnose and fruit rot. - Harvest mature fruits before rainfall if possible.
Banana	Fruit development	- Provide propping to prevent lodging from gusty winds. - Maintain drainage. - Apply potassium-rich fertilizer for fruit quality.
Black gram, Green gram, Red gram, Field bean, Cowpea	Vegetative	- Check for pest/disease incidence, especially leaf spots and aphids. - Avoid foliar sprays during rainfall. - Ensure soil is not waterlogged.
Sugarcane	Vegetative	- Ensure sufficient drainage. - Consider earthing-up operations. - Apply recommended fertilizer dose post-rain.
Vegetable crops (general)	Various stages	- Protect from fungal infections with prophylactic sprays. - Provide support where needed. - Harvest mature vegetables before expected rainfall.

Sector	Advisory
Livestock	- Provide clean, dry shelter to protect from rain and wind. - Maintain hygiene to prevent hoof and skin infections. - Ensure adequate clean water and balanced nutrition.
Poultry	- Keep sheds well-ventilated but protected from rain and gusty winds. - Maintain dry litter to avoid disease. - Provide vitamin supplements to boost immunity.
Sericulture	- Maintain optimum temperature and humidity in rearing houses. - Ensure mulberry leaves are not wet during feeding. - Improve ventilation to prevent fungal diseases in silkworms.

Recommendation to farmers		
Crop specific advisory:		
Crop	Stage	Advisory
Maize fall army worm	Tasseling stage	✓ Handpick and destroy egg masses and larvae. ✓ Use predators like <i>Trichogramma pretiosum</i> or parasitoids like <i>Telenomus remus</i>. ✓ Apply <i>Metarhizium anisopliae</i> or <i>Beauveria bassiana</i>. ✓ Spray Chlorantraniliprole 18.5% SC @ 0.4 ml/l or Emamectin benzoate 5% SG @ 0.4 g/l. Avoid excessive nitrogen application.
Coconut rugose whitefly	Vegetative stage	✓ Prune and burn infested leaves. ✓ Release <i>Encarsia guadeloupae</i> parasitoids. Conserve natural predators like ladybird beetles (<i>Cryptolaemus montrouzieri</i>).

		✓ Spray Neem oil 1% or use Acephate 75 SP @ 1 g/l as a spot application if infestation is severe.
Chilli leaf curl virus	Fruit formation stage	✓ Use virus-free seeds and resistant varieties. Maintain proper spacing and avoid overlapping. ✓ Remove and destroy infected plants. Use yellow sticky traps to monitor whitefly populations. ✓ Spray Imidacloprid 17.8% SL @ 0.5 ml/l or Thiamethoxam 25 WG @ 0.3 g/l.
Tomato Early and late blight of tomato	Flowering	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.

Block level weather forecast (From 20-08-2025 to 24-08-2025)

Chamarajanagara

Parameter	20.08.2025	21.08.2025	22.08.2025	23.08.2025	24.08.2025
Rainfall (mm)	0.1	0.2	0.8	1.8	1.8
Max. temp (°C)	27.2	28.2	29.5	28.7	29.1
Min.Temp (°C)	20.1	19.7	19.6	19.8	19.7
Sky condition (Octas)	7	4	7	7	8
Relative humidity (%) 0830 hours	83.2	87.7	90.9	92.5	94.4
Relative humidity (%) 1730 hours	54.8	51.3	46.7	46.8	47.1
Wind Speed (kmph)	15.1	10.5	5.9	4.2	4.8
Wind Direction	360	266.1	280.6	301	312

Gundlupete

Parameter	20.08.2025	21.08.2025	22.08.2025	23.08.2025	24.08.2025
Rainfall (mm)	0.1	0.4	0.9	2.3	1.9
Max. temp (°C)	26.1	27.7	28.7	28.4	28.6
Min.Temp (°C)	19.9	19.6	19.4	19.7	19.5
Sky condition (Octas)	7	4	6	7	7
Relative humidity (%) 0830 hours	83.4	88.6	88.8	91.3	91.4
Relative humidity (%) 1730 hours	58.5	54.8	51.3	48.8	50.2

Wind Speed (kmph)	17.3	12.7	7.3	5.1	6.2
Wind Direction	258	255.2	258.7	278.1	276.7

Kollegala					
Parameter	20.08.2025	21.08.2025	22.08.2025	23.08.2025	24.08.2025
Rainfall (mm)	0.3	0.3	1.5	3.2	3.3
Max. temp (°C)	27.7	29	30	29.4	29.7
Min.Temp (°C)	20.4	20.4	20.2	20.5	20.6
Sky condition (Octas)	7	4	6	8	8
Relative humidity (%) 0830 hours	86.7	88.5	91	91.6	94
Relative humidity (%) 1730 hours	56.4	52.7	47.8	47.2	47.7
Wind Speed (kmph)	15.6	11.6	6.4	5.2	5
Wind Direction	247	240.2	243.4	254	249

Yelandur					
Parameter	20.08.2025	21.08.2025	22.08.2025	23.08.2025	24.08.2025
Rainfall (mm)	0.2	0.2	1.7	2.2	3.9
Max. temp (°C)	27.5	28.9	29.9	29.2	29.5
Min.Temp (°C)	20.2	20.2	20	20.2	20.4
Sky condition (Octas)	7	4	7	8	8
Relative humidity (%) 0830 hours	86.3	88.5	91.4	92	94.5
Relative humidity (%) 1730 hours	56.2	51.9	47.2	47.4	48
Wind Speed (kmph)	15.4	10.9	5.8	4.8	4.5
Wind Direction	249.4	242.6	248.2	257	256

Hanur					
Parameter	20.08.2025	21.08.2025	22.08.2025	23.08.2025	24.08.2025
Rainfall (mm)	0.2	0.2	3.1	5.1	4.8
Max. temp (°C)	26.9	28.4	29.1	28.2	28.4
Min.Temp (°C)	19.6	19.4	19.5	19.7	19.9
Sky condition (Octas)	7	4	7	8	8
Relative humidity (%) 0830 hours	86.2	89.6	92.7	92.5	94.4
Relative humidity (%) 1730 hours	55	50	45.6	47.6	48
Wind Speed (kmph)	15	10.6	6.2	5.4	6.1
Wind Direction	259	252.2	260	266.2	360

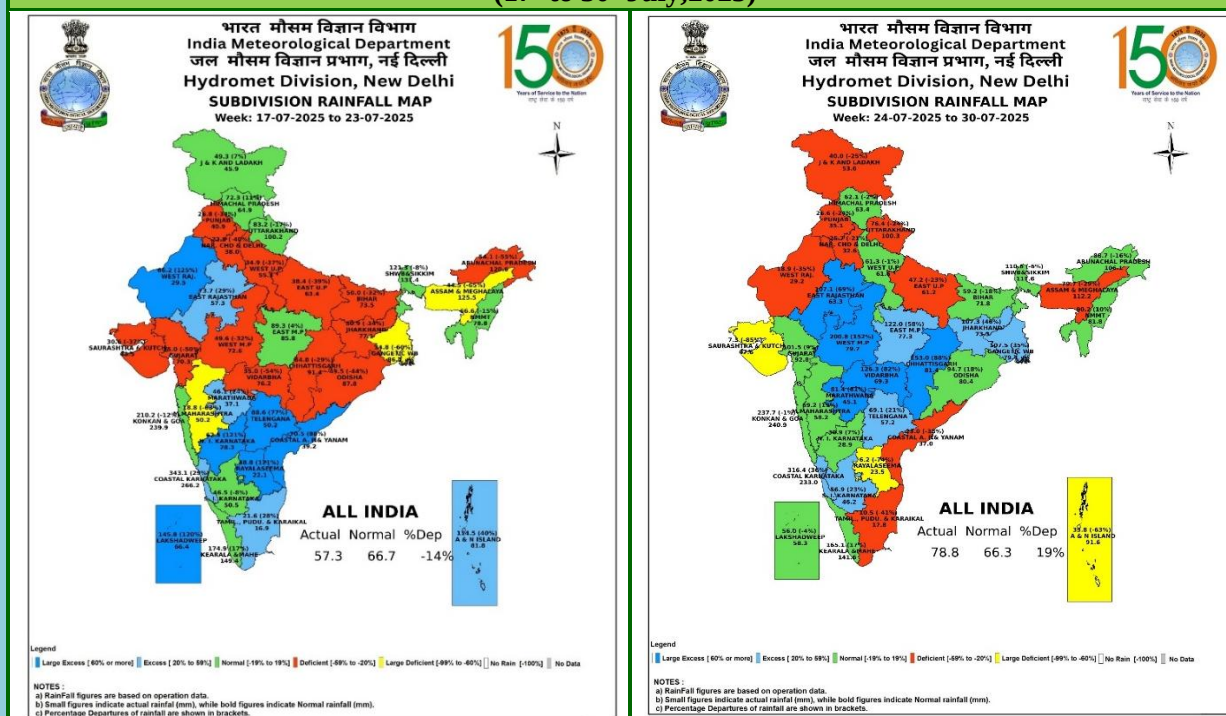
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

For any information farmers can contact **Dr.Umashankar Kumar, N.**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Technical officer over phone No. 0821-259126/ 9535345814.

**AMFU of IMD,
Naganahalli, Mysuru**

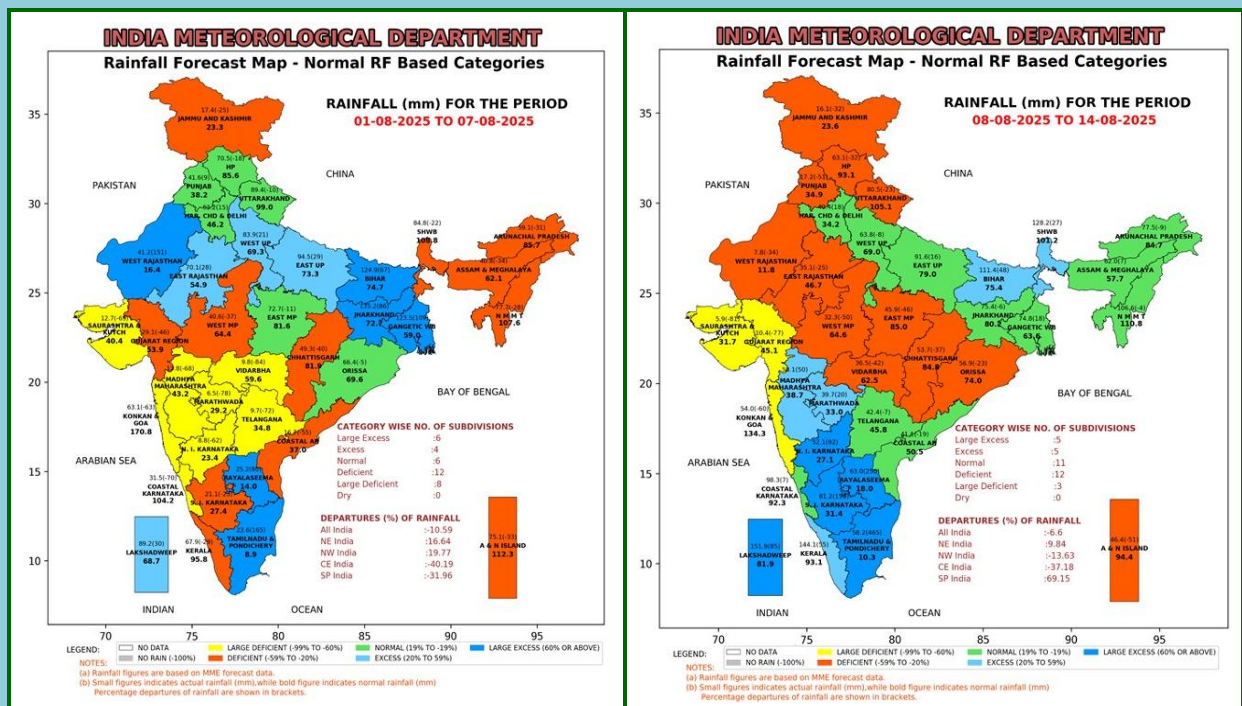
वास्तविकवर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
(वर्षा और तापमान)
(Rainfall and Temperature)

Realized Rainfall
(17th to 30th July, 2025)



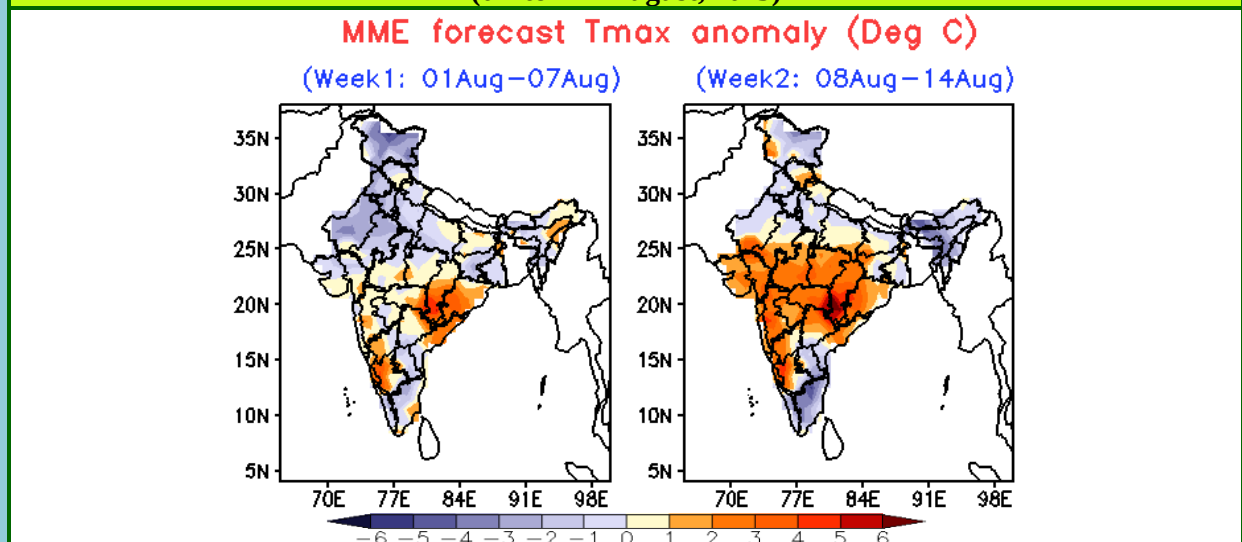
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 30th July, 2025)
(01st to 14th August, 2025)



- Week1(01.08.2025 to 07.08.2025):** Rainfall is likely to be above normal over many parts of North West India, East India and Tamil Nadu. However, it is likely to be below normal over West India, coastal Karnataka, Telangana, many parts of Central India, Nagaland Manipur Mizoram & Tripura, Coastal Andhra Pradesh and Odisha.
- Week 2 (08.08.2025 to 14.08.2025):** Rainfall is likely to be above normal over many parts of South India, East India, some parts of North East India, East Uttar Pradesh, Madhya Maharashtra, Haryana and adjoining parts of Rajasthan. However, it is likely to be below normal over Central India, Gujarat, Konkan-Goa, Jammu & Kashmir, Punjab, Himachal Pradesh and Uttarakhand.

Maximum and Minimum temperature anomaly ($^{\circ}$ C) forecast for the next 2 weeks (IC- 30th July, 2025) (01st to 14th August, 2025)



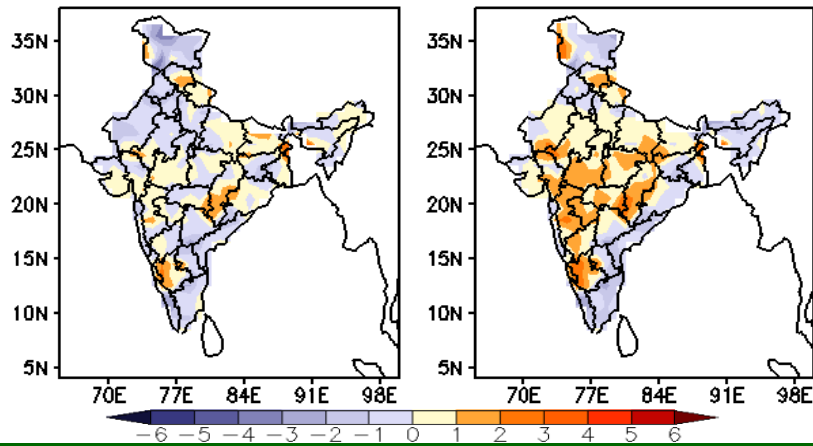
Maximum Temperature (Tmax)

- Week 1 (01.08.2025 to 07.08.2025):** Maximum temperature is likely to be above normal over Odisha, Chhattisgarh, Karnataka, Madhya Maharashtra, some parts of Madhya Pradesh and Coastal Andhra Pradesh.
- Week 2 (08.08.2025 to 14.08.2025):** Maximum temperature is likely to be above normal over Central India, West India, Karnataka, Himachal Pradesh, parts of Telangana and Coastal Andhra Pradesh.

MME forecast Tmin anomaly (Deg C)

(Week1: 01Aug–07Aug)

(Week2: 08Aug–14Aug)



Minimum Temperature (Tmin)

- **Week 1 (01.08.2025 to 07.08.2025):** Minimum temperature is likely to be above normal over Karnataka, Chhattisgarh and Himachal Pradesh.
- **Week 2 (08.08.2025 to 14.08.2025):** Minimum temperature is likely to be above normal over many parts of Central India, North West India, Maharashtra and Karnataka.