

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



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



Date: 29-07-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	26.07.2025	27.07.2025	28.07.2025	29.07.2025
Rainfall (mm)	0	8.5	2	1
Max. Temp. (°C)	27.2	26.5	27.4	28.2
Min. Temp. (°C)	21.4	19.7	20.6	19.6
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	80	97	89	95
Relative humidity (%) 1730 hours	62	64		59
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 30-07-2025 to 03-08-2025)

Parameter	30.07.2025	31.07.2025	01.08.2025	02.08.2025	03.08.2025
Rainfall (mm)	2	3	1	3	4
Max. Temp. (°C)	28	28	29	29	29
Min.Temp. (°C)	20	20	20	20	20
Sky condition (Octas)	5	6	6	6	6
Relative humidity (%) 0830 hours	85	85	87	89	91
Relative humidity (%) 1730 hours	65	64	62	63	62
Wind Speed (kmph)	12	12	12	10	10
Wind Direction	265	264	265	360	279

*GW - Gusty wind, TSH – Thunderstorm

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 30.07.2025 to 03.08.2025 in Chamarajanagara district. The day temperature is expected to be 28-29°C & night temperature is expected 20°C. The relative humidity in the morning hours is expected to be 85-91% & afternoon relative humidity is expected to be in the range of 62-65%. Wind speed expected to be 10-12 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 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	Weather-Based Advisory
Paddy	Transplanting	- Avoid transplanting during gusty wind hours; secure young seedlings. - 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 30-07-2025 to 03-08-2025)

Chamarajanagara

Parameter	30.07.2025	31.07.2025	01.08.2025	02.08.2025	03.08.2025
Rainfall (mm)	0.6	0.3	0.4	1.4	2.3
Max. temp (°C)	27.2	28.2	28.9	29.1	29.8
Min.Temp (°C)	20.4	20.5	20.2	20	20
Sky condition (Octas)	5	7	6	5	6
Relative humidity (%) 0830 hours	84.6	83.4	86.3	89.3	91.5
Relative humidity (%) 1730 hours	58.9	60.2	56	57.3	51.1
Wind Speed (kmph)	19.1	19.1	15.5	10.6	8.9
Wind Direction	271.1	272.2	274	279.8	284

Gundlupete

Parameter	30.07.2025	31.07.2025	01.08.2025	02.08.2025	03.08.2025
Rainfall (mm)	0.5	0.2	0.2	1	4.4
Max. temp (°C)	26.1	27.1	27.6	27.9	28
Min.Temp (°C)	20.2	20.2	20.1	19.9	19.7
Sky condition (Octas)	5	6	5	5	6

Relative humidity (%) 0830 hours	85.4	84.9	87.3	89.8	91.6
Relative humidity (%) 1730 hours	62.7	63	60.6	60.5	56.4
Wind Speed (kmph)	19.4	20.5	16.8	13	8.6
Wind Direction	259.3	259.9	260.1	265.2	267.6

Kollegala

Parameter	30.07.2025	31.07.2025	01.08.2025	02.08.2025	03.08.2025
Rainfall (mm)	0.7	0.5	0.6	1.6	5
Max. temp (°C)	28.1	28.9	28.9	29.9	30.2
Min.Temp (°C)	20.7	20.9	20.8	20.7	20.9
Sky condition (Octas)	5	7	6	5	6
Relative humidity (%) 0830 hours	86.9	86.4	88	89.8	92.1
Relative humidity (%) 1730 hours	58.6	59.9	58.3	57.4	50.6
Wind Speed (kmph)	17.3	17.9	14.2	10	7.9
Wind Direction	253.1	251.2	249.3	249	254

Yelandur

Parameter	30.07.2025	31.07.2025	01.08.2025	02.08.2025	03.08.2025
Rainfall (mm)	0.8	0.6	0.5	1.6	6.2
Max. temp (°C)	27.7	28.6	28.8	29.6	30
Min.Temp (°C)	20.5	20.7	20.6	20.5	20.6
Sky condition (Octas)	5	7	6	6	6
Relative humidity (%) 0830 hours	86.6	86.1	87.7	89.8	92.6
Relative humidity (%) 1730 hours	59.7	60.8	57.7	57.9	51.4
Wind Speed (kmph)	17.5	17.6	13.6	9.4	7.3
Wind Direction	255.7	254.5	253	252.2	261.5

Hanur

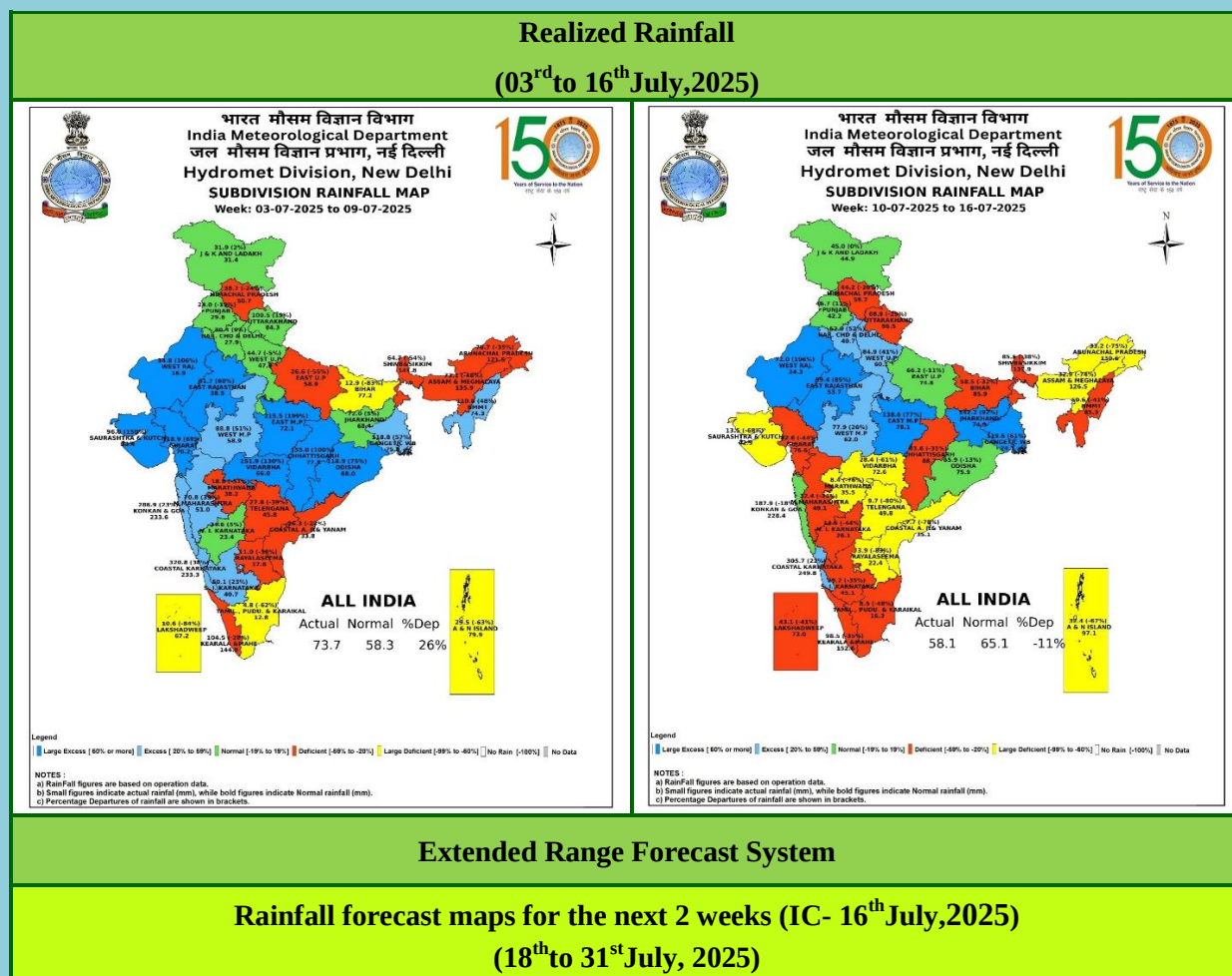
Parameter	30.07.2025	31.07.2025	01.08.2025	02.08.2025	03.08.2025
Rainfall (mm)	0.7	0.6	0.5	1.7	6.2
Max. temp (°C)	27.1	28	28.2	28.9	29
Min.Temp (°C)	20.1	20.1	20	20	20
Sky condition (Octas)	5	7	6	6	7
Relative humidity (%) 0830 hours	86.2	85.8	88.8	90.3	93.8
Relative humidity (%) 1730 hours	57.9	58.6	56.1	56.4	50.7
Wind Speed (kmph)	18.8	18.4	13.8	9.4	8.3
Wind Direction	265.6	264.4	262.5	265.6	360

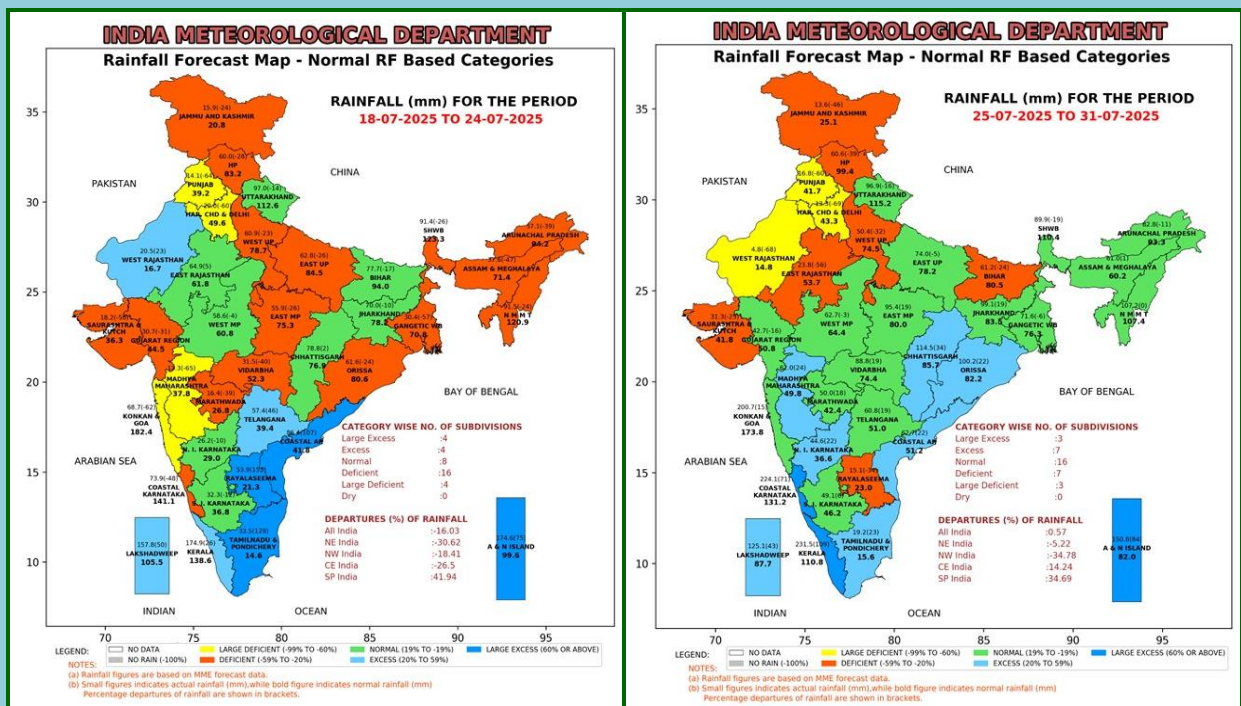
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

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**

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

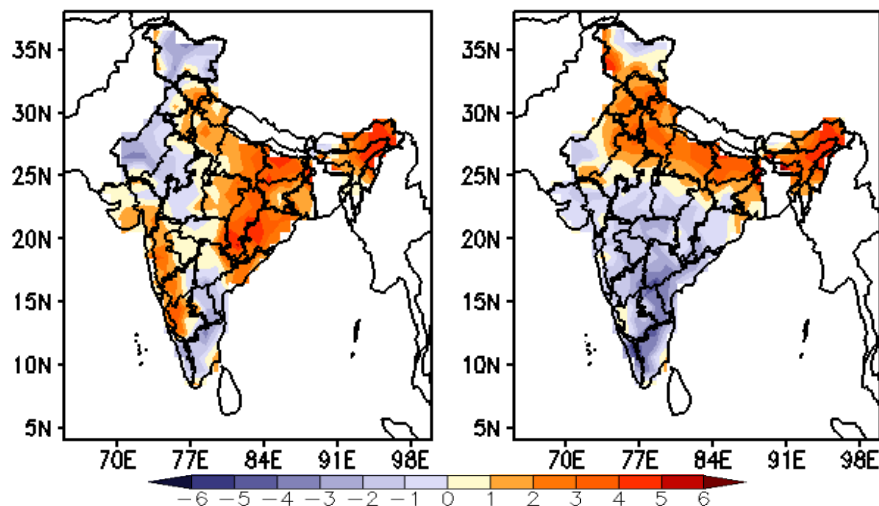




- Week1(18.07.2025 to 24.07.2025):** Rainfall is likely to be above normal over Kerala, Tamil Nadu, Andhra Pradesh, Telangana and East Rajasthan.
- Week 2 (25.07.2025 to 31.07.2025):** Rainfall is likely to be above normal over Central India, Odisha, Jharkhand, Maharashtra, Coastal Karnataka, Kerala,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

**Maximum and Minimum temperature anomaly ($^{\circ}$ C) forecast
for the next 2 weeks (IC- 16th July, 2025)
(18th to 31st July, 2025)**

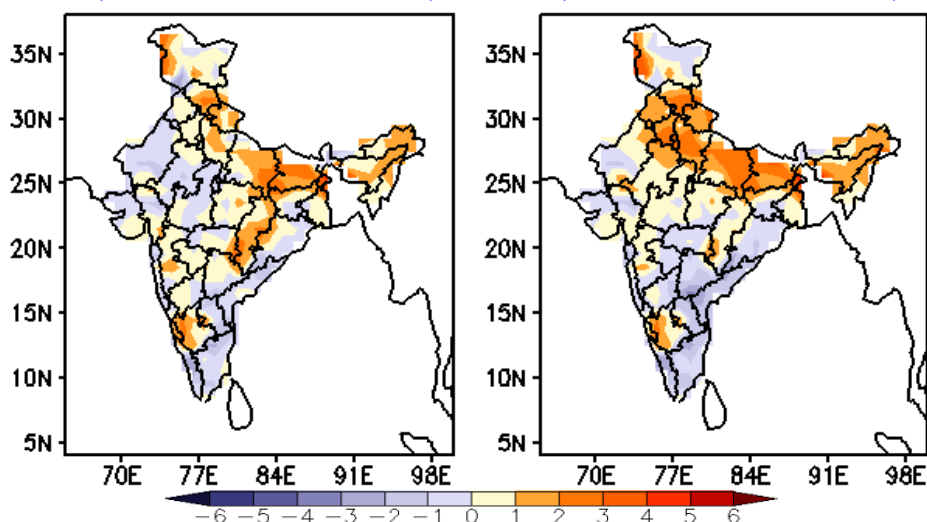
MME forecast Tmax anomaly (Deg C)
(Week1: 18Jul-24Jul) (Week2: 25Jul-31Jul)



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.