

**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 CHAMARAJANAGARA 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	0.5	5	0.5
Max. Temp. (°C)	29.3	29	29.1	28.7
Min. Temp. (°C)	21.4	20.6	20.6	20.3
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	87	95	97	97
Relative humidity (%) 1730 hours	55	55	58	61
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)	15	15	10	10	8
Max. Temp. (°C)	29	29	28	28	29
Min.Temp. (°C)	20	20	21	20	20
Sky condition (Octas)	7	7	6	6	5
Relative humidity (%) 0830 hours	90	91	90	89	87
Relative humidity (%) 1730 hours	68	68	68	68	64
Wind Speed (kmph)	10	12	12	14	14
Wind Direction	268	268	268	262	264
Weather Warning	Heavy rain with Gusty wind	Gusty wind	Gusty wind	Gusty wind	Gusty wind

*GW - Gusty wind, TSH – Thunderstorm

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 19.07.2025 to 23.07.2025 in Chamarajanagara district. The day temperature is expected to be 28-29°C & night temperature is expected 20-21°C. The relative humidity in the morning hours is expected to be 87-91% & afternoon relative humidity is expected to be in the range of 64-68 %. Wind speed expected to be 10-14 km/ hr.

General Advisory:

1. • **Irrigation:**
 - Since only very light 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 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

Category	Advisory
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.

Recommendations to the farmers:-

Weather based advisory

Crop	Stage	Advisory Based on Forecast
Paddy	Kharif- Nursery preparation	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Protect fruits from cracking using light mulch. - Ensure proper staking. - Monitor for fungal diseases (blight, rot) due to high humidity.
Chilli	Fruit formation	<ul style="list-style-type: none"> - Ensure good drainage. - Spray fungicide preventively to avoid fruit rot. - Protect from wind damage using physical barriers if needed.
Banana	Fruit development	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Maintain drainage across fields. - Avoid overhead irrigation during high humidity. - Monitor for fungal infections and pest buildup.
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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
Maize fall army worm	Tasseling stage	<ul style="list-style-type: none"> ✓ 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	<ul style="list-style-type: none"> ✓ 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	<ul style="list-style-type: none"> ✓ 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	<p>For late blight of tomato 15 days prior to transplanting Trichoderma and Pseudomonas enriched compost may be incorporated to the soil.</p> <p>For early blight control spray 2.0 g. Mancozeb 75 WP</p> <p>OR</p> <p>2.0 g. Maneb</p> <p>OR</p> <p>2.0 g. Metalaxyl- MZ 72WP.</p> <p>OR</p> <p>2.0 g. Dimethomorph + polyram/lit. water.</p> <p>For control of late blight spray 2.0 g. Metalaxyl - MZ 72WP.</p> <p>OR</p>

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

Chamarajanagara

Parameter	19.07.2025	20.07.2025	21.07.2025	22.07.2025	23.07.2025
Rainfall (mm)	5.4	12.8	7	2.4	1.4
Max. temp (°C)	25.5	24.4	24.9	24.6	26.4
Min.Temp (°C)	20.7	20.6	20.2	20.4	20.6
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	90	90.9	90.1	89.1	87.4
Relative humidity (%) 1730 hours	68.8	69.9	67.8	69.9	65.4
Wind Speed (kmph)	11.3	14.5	13.8	14.4	14
Wind Direction	279.2	277.1	276	274.3	271.5

Gundlupete

Parameter	19.07.2025	20.07.2025	21.07.2025	22.07.2025	23.07.2025
Rainfall (mm)	9.8	10.5	7.6	2.8	3
Max. temp (°C)	24.6	23.7	23.8	23.9	25.2
Min.Temp (°C)	20.5	20.4	20.2	20.2	20.2
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	90.2	90.6	90	89.9	88.4
Relative humidity (%) 1730 hours	73.4	73.6	72.3	73.7	70.4
Wind Speed (kmph)	13.8	16.8	15.3	16.9	17.9
Wind Direction	264	260.1	261.9	258.9	260.7

Kollegala

Parameter	19.07.2025	20.07.2025	21.07.2025	22.07.2025	23.07.2025
Rainfall (mm)	6.1	14	8.5	4.8	4.2
Max. temp (°C)	26.2	24.9	25.5	25.1	26.8
Min.Temp (°C)	21.2	21.1	20.9	20.9	21
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	90.8	92.5	91	90.3	89.1
Relative humidity (%) 1730 hours	68.6	69.6	69.9	72.9	66.4
Wind Speed (kmph)	12	14.1	13.3	15.8	16.3
Wind Direction	254.3	256.7	257.5	252.8	252

Yelandur

Parameter	19.07.2025	20.07.2025	21.07.2025	22.07.2025	23.07.2025
Rainfall (mm)	5.6	15.1	9.1	3.6	3.1
Max. temp (°C)	25.9	24.6	25.2	24.8	26.5
Min.Temp (°C)	21	20.9	20.7	20.8	20.8
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	91.7	92.9	91.1	89.9	88.6
Relative humidity (%) 1730 hours	69.5	71.2	70.3	72.9	66.8
Wind Speed (kmph)	11.4	13.6	13.2	14.9	15.6
Wind Direction	257.3	259.3	259	254.6	255.3

Hanur

Parameter	19.07.2025	20.07.2025	21.07.2025	22.07.2025	23.07.2025
Rainfall (mm)	7.7	14.1	10	5.7	7.2
Max. temp (°C)	25.2	24.2	24.7	24.2	25.6
Min.Temp (°C)	20.6	20.5	20.2	20.4	20.2
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	92.1	92.3	90.2	88.2	88
Relative humidity (%) 1730 hours	69.2	69.1	68.5	70.2	66.8
Wind Speed (kmph)	11.9	14.4	13.7	15.2	14.9
Wind Direction	264.8	268.6	268.5	263.2	261.7

- 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)

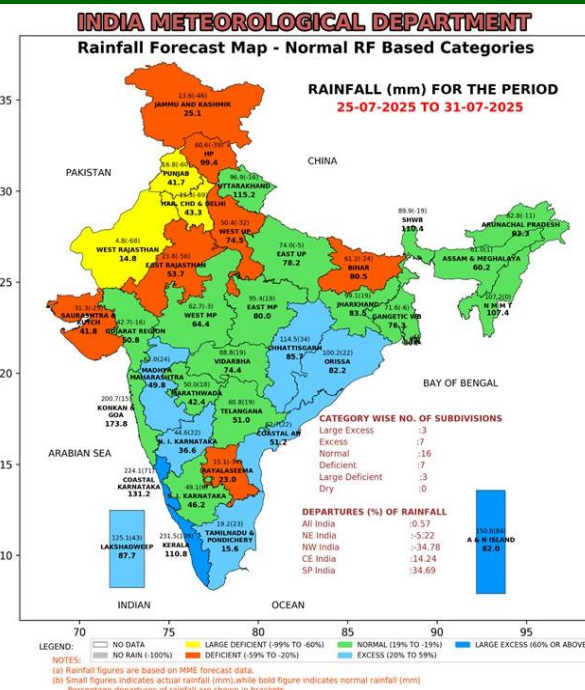
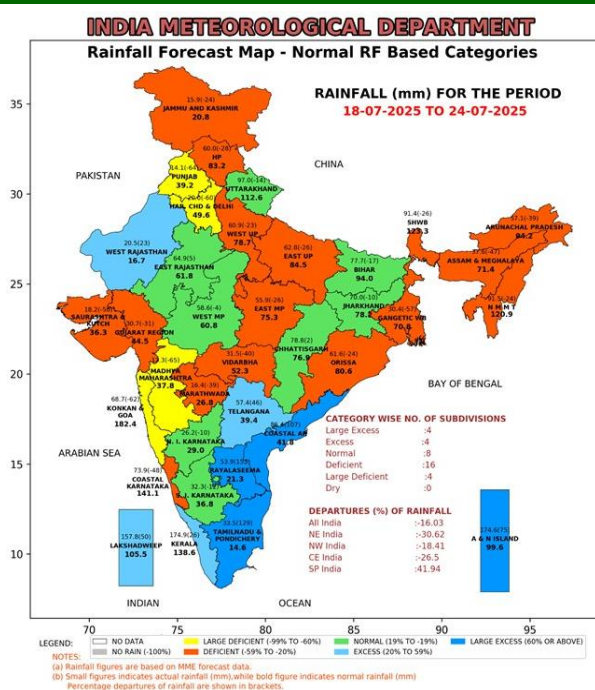
Realized Rainfall

(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 ($^{\circ}\text{C}$) forecast

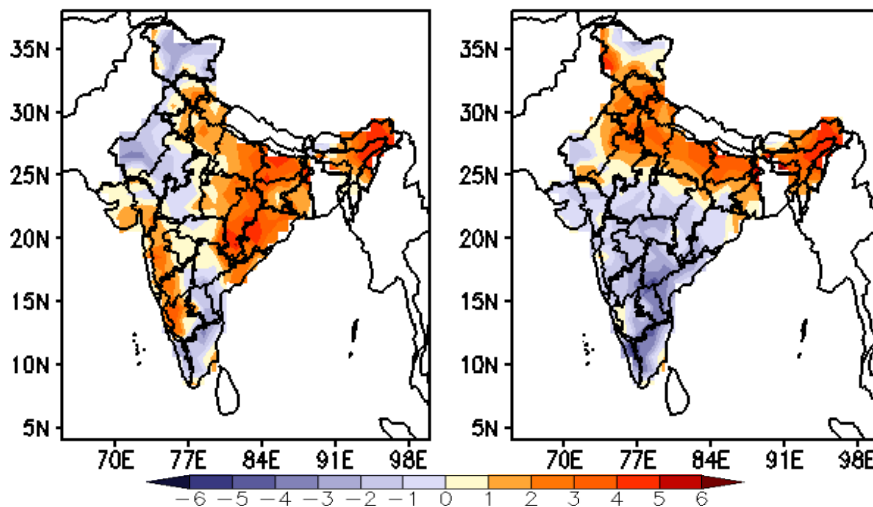
for the next 2 weeks (IC- 16th July, 2025)

(18th to 31st July, 2025)

MME forecast Tmax anomaly (Deg C)

(Week1: 18Jul–24Jul)

(Week2: 25Jul–31Jul)



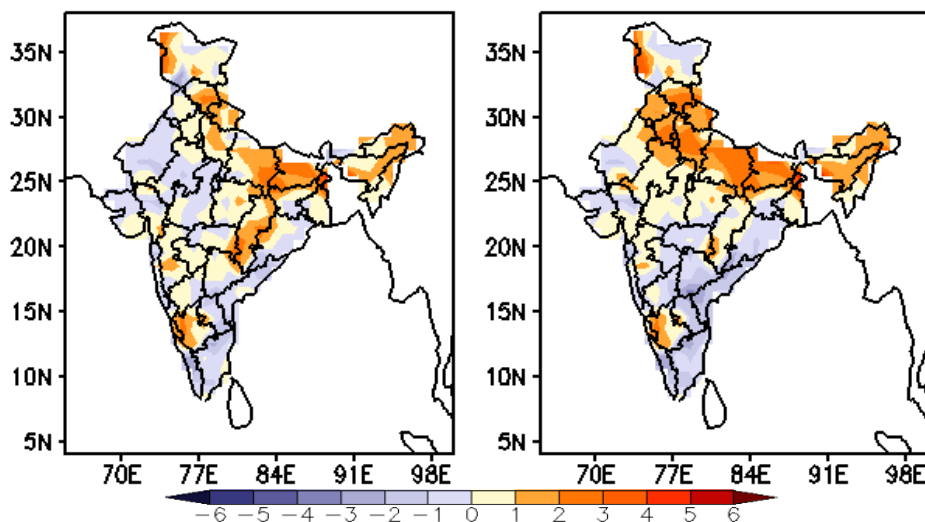
Maximum Temperature (Tmax)

- **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.