

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



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MYSURU – 570003**



Date: 04-07-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	01.07.2025	02.07.2025	03.07.2025	04.07.2025
Rainfall (mm)	0	0	0	0
Max. Temp. (°C)	28.7	28.5	29.1	28.4
Min. Temp. (°C)	20.6	22	21.1	21.4
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	75	74	82	69
Relative humidity (%) 1730 hours	68	72	75	64
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 05-07-2025 to 09-07-2025)

Parameter	05.07.2025	06.07.2025	07.07.2025	08.07.2025	09.07.2025
Rainfall (mm)	4	5	3	2	2
Max. Temp. (°C)	28	28	28	29	29
Min.Temp. (°C)	21	21	21	21	21
Sky condition (Octas)	6	6	5	4	4
Relative humidity (%) 0830 hours	77	81	82	81	82
Relative humidity (%) 1730 hours	64	62	63	62	62
Wind Speed (kmph)	14	15	14	12	12
Wind Direction	261	260	264	264	267
Weather Warning	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 05.07.2025 to 09.07.2025 in Chamarajanagara district. The day temperature is expected to be 28-29°C & night temperature is expected 21°C. The relative humidity in the morning hours is expected to be 77-82% & afternoon relative humidity is expected to be in the range of 77-82 %. Wind speed expected to be 12-15 km/ hr.

General Advisory:

- Partly cloudy sky and light rainfall expected – suitable for field operations such as sowing,

transplanting, and fertilizer application.

- **Gusty winds**– support banana, pepper, and other tall crops to prevent lodging.
- **Maintain proper drainage** in low-lying fields to prevent excess moisture and root diseases, especially in vegetables, ginger, and spices.
- **Humidity levels are high** – favorable for fungal and bacterial diseases. Apply **preventive fungicides** (like Copper oxychloride or Mancozeb) during dry spells.
- **Fertilizer application** is favorable during this period – split doses are recommended for better efficiency.
- **Livestock care:** Provide shelter, dry bedding, and clean drinking water. Avoid grazing during gusty conditions.
 - Protect livestock from rain and provide clean drinking water

SMS Advisory:

Light rain expected next 5 days. Ensure field drainage, delay fertilizer use, stake banana, monitor pests. Keep livestock shelters dry.

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"> - Ensure proper drainage in nursery fields due to light rainfall and high humidity. - Avoid nursery activities during gusty wind periods. - Prepare raised beds with bunds to prevent waterlogging.
Maize	Vegetative	<ul style="list-style-type: none"> - Light rainfall supports growth; continue intercultural operations. - Provide staking/support to prevent lodging from strong winds. - Monitor for stem borer and apply control measures if needed.
Tomato	Fruit formation	<ul style="list-style-type: none"> - High humidity may promote fungal diseases; apply preventive fungicides. - Avoid overhead irrigation; use mulching to retain soil moisture. - Provide staking to prevent wind damage.
Chilli	Fruit formation	<ul style="list-style-type: none"> - Maintain field hygiene to prevent fruit rot. - Ensure good drainage and avoid water stagnation. - Monitor and manage thrips and mites.
Banana	Fruit development	<ul style="list-style-type: none"> - Provide propping or support to prevent wind damage. - Monitor for foliar diseases like Sigatoka; apply fungicides as needed. - Maintain proper soil moisture.
Black gram, Green gram, Red gram, Field bean, Cowpea	Vegetative	<ul style="list-style-type: none"> - Carry out weeding and earthing-up after rainfall. - Ensure proper drainage to prevent root diseases. - Keep watch for sucking pests under humid conditions.
Sugarcane	Vegetative	<ul style="list-style-type: none"> - Light rainfall beneficial for growth; continue fertilization schedule. - Monitor for early signs of pests and diseases. - Use windbreaks if the crop is in open areas.
Vegetable crops (general)	Various stages	<ul style="list-style-type: none"> - Protect young plants from lodging due to wind. - Harvest mature produce timely to avoid losses. - Apply preventive sprays for fungal diseases due to high humidity and cloudy skies.

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. 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> <p>2.0 g. Fosetyl al 80 WP</p> <p>OR</p> <p>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>

Block level weather forecast (From 05-07-2025 to 09-07-2025)					
Chamarajanagara					
Parameter	05.07.2025	06.07.2025	07.07.2025	08.07.2025	09.07.2025
Rainfall (mm)	0.1	0.3	0.4	0.1	0.4
Max. temp (°C)	29.2	29.1	28.9	29.2	29.5
Min.Temp (°C)	21	21.2	21.2	21	21
Sky condition (Octas)	6	7	7	7	5
Relative humidity (%) 0830 hours	73.9	80	82.9	81.5	81.8
Relative humidity (%) 1730 hours	41.7	42.7	43.4	50.3	53.1
Wind Speed (kmph)	14.8	16.9	18	17.3	14.9
Wind Direction	271.4	271.2	272.3	272.4	277

Gundlupete					
Parameter	05.07.2025	06.07.2025	07.07.2025	08.07.2025	09.07.2025
Rainfall (mm)	0.2	0.8	0.5	0.2	0.5
Max. temp (°C)	27.9	27.8	27.5	28.1	28.4
Min.Temp (°C)	20.8	20.9	20.9	20.7	20.7
Sky condition (Octas)	6	7	7	7	5
Relative humidity (%) 0830 hours	80	83.8	83.8	81.9	82.7
Relative humidity (%) 1730 hours	47.6	47.3	50.7	54.4	56.3
Wind Speed (kmph)	17	19.1	20.1	18.7	16.8
Wind Direction	256.5	258	259.7	258.9	260.1

Kollegala					
Parameter	05.07.2025	06.07.2025	07.07.2025	08.07.2025	09.07.2025
Rainfall (mm)	0.3	0.4	0.2	0.1	0.4
Max. temp (°C)	29.9	29.6	29.4	29.9	30
Min.Temp (°C)	21.5	21.6	21.7	21.5	21.2
Sky condition (Octas)	7	7	7	6	5
Relative humidity (%) 0830 hours	77.2	77.5	83.8	84	84.9
Relative humidity (%) 1730 hours	42.1	43.1	44.2	48.9	52.2
Wind Speed (kmph)	15.5	18.8	18.6	17.6	14.2
Wind Direction	252.4	253.3	255.4	254.5	253.8

Yelandur

Parameter	05.07.2025	06.07.2025	07.07.2025	08.07.2025	09.07.2025
Rainfall (mm)	0.1	0.3	0.2	0.1	0.3
Max. temp (°C)	29.6	29.4	29.2	29.7	29.8
Min.Temp (°C)	21.4	21.4	21.5	21.2	21
Sky condition (Octas)	7	7	7	6	5
Relative humidity (%) 0830 hours	74.7	79.7	84	83.3	84.5
Relative humidity (%) 1730 hours	42.3	43.1	44.1	49.6	52.6
Wind Speed (kmph)	14.9	18.3	18.4	16.9	13.6
Wind Direction	254.6	255.1	257.6	257.7	257.8

Hanur					
Parameter	05.07.2025	06.07.2025	07.07.2025	08.07.2025	09.07.2025
Rainfall (mm)	0.1	0.2	0.2	0	0.4
Max. temp (°C)	28.9	28.8	28.6	29.2	29.2
Min.Temp (°C)	20.7	20.9	20.9	20.5	20.2
Sky condition (Octas)	7	7	7	6	5
Relative humidity (%) 0830 hours	74.2	78.7	84.4	83.2	84.4
Relative humidity (%) 1730 hours	42.2	43.1	43.7	47.4	49.9
Wind Speed (kmph)	14.9	17.4	18.4	16.7	14.4
Wind Direction	261.7	262.9	264.4	263.8	265.7

- 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

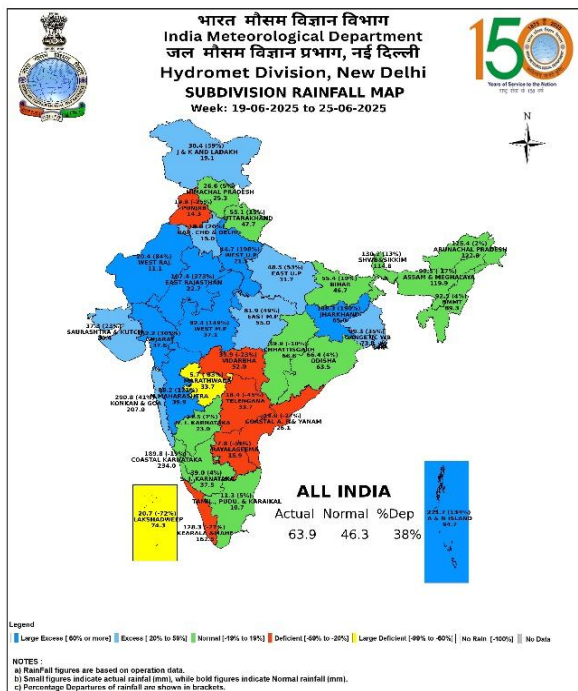
For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/
Dr. Sumanth Kumar.G.V, Technical officer over phone No. 0821-259126/ 9535345814.

AMFU of IMD,
Naganahalli, Mysuru

(वर्षा और तापमान)
(Rainfall and Temperature)

Realized Rainfall

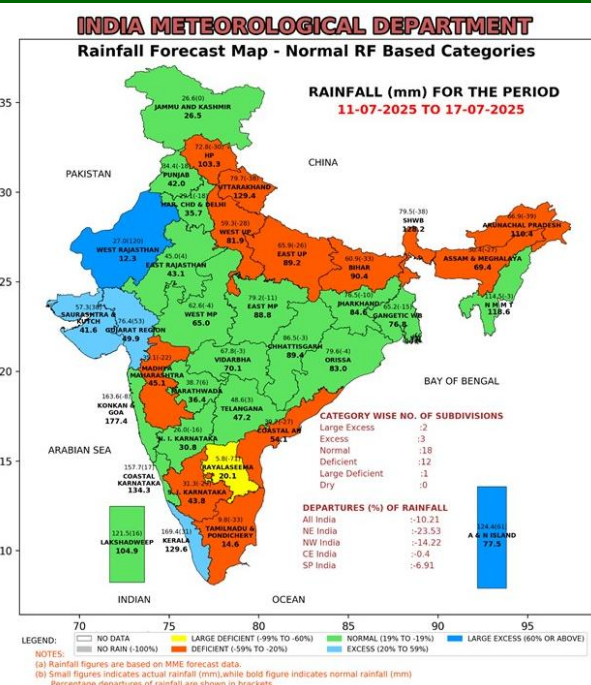
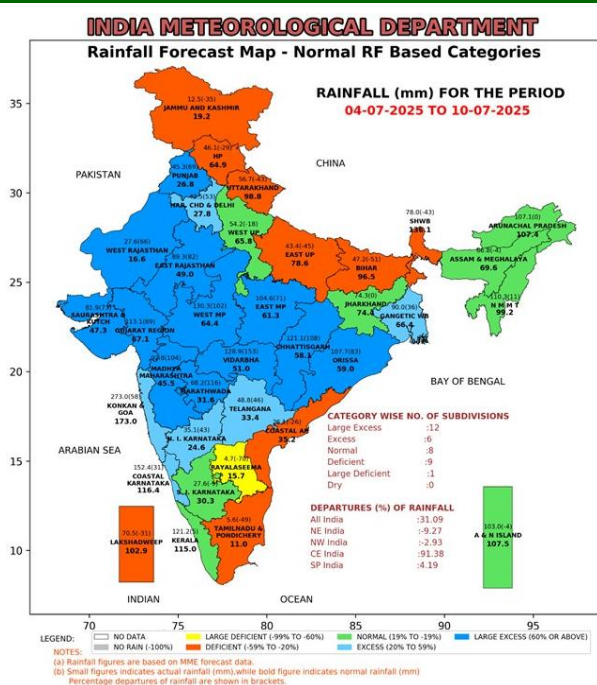
(19th June to 02nd July, 2025)



Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 02nd July, 2025)

(04th to 17th July, 2025)



- Week1(04.07.2025 to 10.07.2025):** Rainfall is likely to be above normal over Central India, West India, Rajasthan, Punjab, Haryana, Odisha and Gangetic West Bengal.
- Week 2 (11.07.2025 to 17.07.2025):** Rainfall is likely to be above normal over Gujarat, South Rajasthan and coastal regions of Kerala and Karnataka. However, it is likely to be below normal over East and NE India, many parts of North West India, South India and Maharashtra.

Maximum and Minimum temperature anomaly (°C) forecast

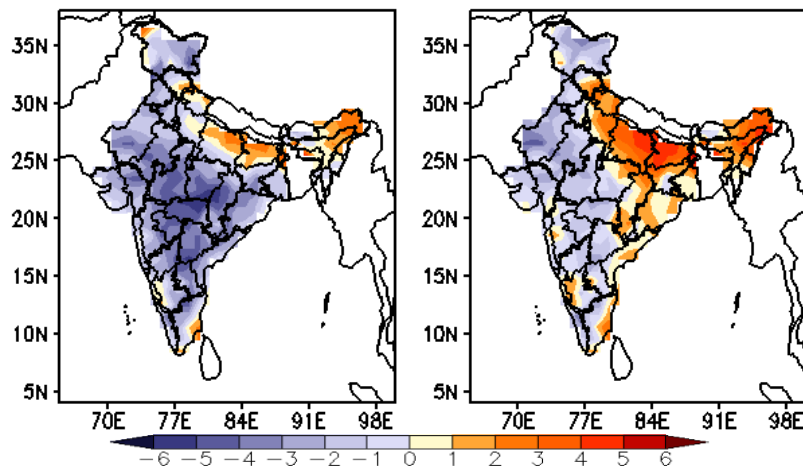
for the next 2 weeks (IC- 02nd July, 2025)

(04th to 17th July, 2025)

MME forecast Tmax anomaly (Deg C)

(Week1: 04Jul–10Jul)

(Week2: 11Jul–17Jul)



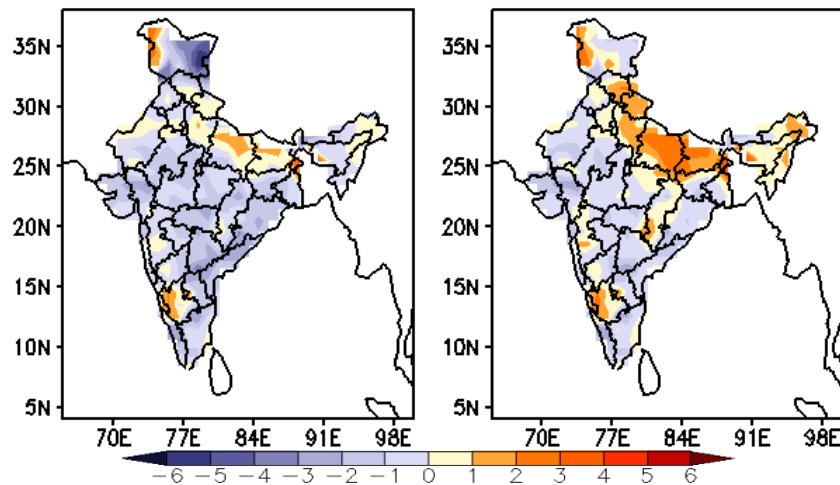
Maximum Temperature (Tmax)

- **Week 1 (04.07.2025 to 10.07.2025):** Maximum temperature is likely to be below normal over most parts of the country except Bihar, East Uttar Pradesh, many parts of North East India and coastal regions of Tamil Nadu.
- **Week 2 (11.07.2025 to 17.07.2025):** Maximum temperature is likely to be above normal over East and North East India, Uttar Pradesh, Uttarakhand, Himachal Pradesh, Chhattisgarh, Coastal Andhra Pradesh, coastal regions of Tamil Nadu and some parts of Karnataka.

MME forecast Tmin anomaly (Deg C)

(Week1: 04Jul–10Jul)

(Week2: 11Jul–17Jul)



Minimum Temperature (Tmin)

- **Week 1 (04.07.2025 to 10.07.2025):** Minimum temperature is likely to be below normal over most parts of the country except some parts of Karnataka, Uttarakhand, Uttar Pradesh and Bihar.
- **Week 2 (11.07.2025 to 17.07.2025):** Minimum temperature is likely to be above normal over North East India, Bihar, Uttar Pradesh, Uttarakhand, Himachal Pradesh, Chhattisgarh and South Karnataka.