

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



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



Date: 13-06-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	10.06.2025	11.06.2025	12.06.2025	13.06.2025
Rainfall (mm)	0	7	3	0
Max. Temp. (°C)	32	31.4	30.4	29.6
Min. Temp. (°C)	20.6	21.2	22.6	20.9
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	74	97	78	78
Relative humidity (%) 1730 hours	52	89	93	59
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 14-06-2025 to 18-06-2025)

Parameter	14.06.2025	15.06.2025	16.06.2025	17.06.2025	18.06.2025
Rainfall (mm)	15	25	15	14	12
Max. Temp. (°C)	30	30	30	29	29
Min.Temp. (°C)	21	21	21	21	21
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	86	86	85	90	89
Relative humidity (%) 1730 hours	64	65	69	76	75
Wind Speed (kmph)	10	10	14	16	12
Wind Direction	260	255	246	248	257

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light to moderate rainfall** may be expected from 14.06.2025 to 18.06.2025 in Chamarajanagara district. The day temperature is expected to be 29-30°C & night temperature is expected 21°C. The relative humidity in the morning hours is expected to be 85-90% & afternoon relative humidity is expected to be in the range of 64-76 %. Wind speed expected to be 10-16 km/ hr.

General Advisory:

Field Preparation / Sowing

- Sufficient moisture for sowing green gram, black gram, red gram, cowpea, maize, ragi, and groundnut
- Treat seeds before sowing to protect from soil-borne diseases

Paddy

- Begin nursery bed preparation if not yet started
- Ensure good drainage, especially around 15th June

Vegetables (Tomato, Chilli, Brinjal)

- Ensure no water stagnation; maintain proper drainage
- Spray fungicide (Mancozeb @ 2 g/l) to prevent fungal infections

Pulses (Redgram, Greengram, Blackgram, Cowpea)

- Ideal time for sowing
- Monitor for sucking pests; use neem-based insecticides if needed

General Precautions

- Store harvested produce in dry, ventilated areas

➤ Protect livestock from rain and provide clean drinking water

SMS Advisory:

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 May

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	Summer-Harvesting Kharif- Nursery preparation	Dry weather on 11–12 June is suitable for harvesting and drying. Use tarpaulin to protect produce from later rainfall. Prepare nursery in raised beds.
Maize	Vegetative	Avoid irrigation due to expected rainfall. Apply nitrogen fertilizers on dry days. Conduct weeding after rain when soil is moist.
Tomato	Fruit formation	Anticipated rainfall and humidity may lead to fruit borer and fungal diseases. Monitor and spray neem extract or fungicides after rain.
Chilli	Fruit formation	Ensure field drainage. Increased humidity may lead to thrips and anthracnose; avoid overhead irrigation. Use appropriate fungicides.
Banana	Fruit development	Light winds and rainfall may cause lodging – support plants. Maintain soil moisture and mulch to conserve water.
Black gram, Green gram, Red gram, Field bean, Cowpea	Sowing / Harvesting	Use rainfall and residual moisture for sowing. Harvest matured pods on dry days and dry produce well before storing.
Sugarcane	Vegetative	Rainfall will support growth – delay irrigation. Perform earthing-up and weeding during breaks in rain.
Mango	Fruit development	Rising humidity may lead to fruit fly and mildew. Use fruit fly traps and spray recommended fungicides during rain-free periods.
Vegetable crops (general)	Various stages	Light rain and humidity may increase pest pressure. Mulch beds, monitor for sucking pests, and provide plant protection sprays after showers.

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> <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</p>

		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 14-06-2025 to 18-06-2025)

Chamarajanagara

Parameter	14.06.2025	15.06.2025	16.06.2025	17.06.2025	18.06.2025
Rainfall (mm)	4.5	12	12.8	2	1.3
Max. temp (°C)	28.1	25.8	25.8	26.5	27.1
Min.Temp (°C)	20.9	20.7	20.7	20.2	20.8
Sky condition (Octas)	7	8	7	8	7
Relative humidity (%) 0830 hours	85.7	89	84.6	87.5	82.4
Relative humidity (%) 1730 hours	59.1	69	59.8	60.2	56.5
Wind Speed (kmph)	4.3	9.1	13.6	11.5	13.7
Wind Direction	360	263.2	257.8	273.6	273

Gundlupete

Parameter	14.06.2025	15.06.2025	16.06.2025	17.06.2025	18.06.2025
Rainfall (mm)	3.8	16.2	16.4	4.6	3.2
Max. temp (°C)	26.7	25.1	24.1	25	25.9
Min.Temp (°C)	21	21	20.6	20.2	20.5
Sky condition (Octas)	7	8	7	8	7
Relative humidity (%) 0830 hours	87.7	88.5	86.9	87.7	83.4
Relative humidity (%) 1730 hours	64.6	72.4	70.2	67.8	63.6
Wind Speed (kmph)	14	15.8	19.1	17.6	20
Wind Direction	252	252.8	247.8	259.4	256.5

Kollegala

Parameter	14.06.2025	15.06.2025	16.06.2025	17.06.2025	18.06.2025
Rainfall (mm)	2.8	10.9	11.6	1.7	3.3
Max. temp (°C)	28.6	26.9	26.2	26.7	27.5
Min.Temp (°C)	22	21.9	21.7	21.1	21.5
Sky condition (Octas)	7	8	7	7	7
Relative humidity (%) 0830 hours	84.9	87.2	84.1	85.4	81.9
Relative humidity (%) 1730 hours	59.5	66.9	62.8	62.6	59.9
Wind Speed (kmph)	11.5	14.1	17.7	15.7	15.5
Wind Direction	237.8	237.5	240.8	254	248.2

Yelandur					
Parameter	14.06.2025	15.06.2025	16.06.2025	17.06.2025	18.06.2025
Rainfall (mm)	3.4	14.6	13	0.7	4
Max. temp (°C)	28.4	26.6	26.1	26.6	27.4
Min.Temp (°C)	21.9	21.8	21.5	20.9	21.4
Sky condition (Octas)	7	8	7	7	7
Relative humidity (%) 0830 hours	85.2	87.7	84.5	86.1	81.9
Relative humidity (%) 1730 hours	59.8	67.8	63	62.6	59.9
Wind Speed (kmph)	10.8	13.4	17.1	14.9	14.4
Wind Direction	240	239.3	239.6	254.6	247.9

Hanur					
Parameter	14.06.2025	15.06.2025	16.06.2025	17.06.2025	18.06.2025
Rainfall (mm)	4.2	15.2	14.9	2.0	3.2
Max. temp (°C)	27.7	26.1	25.7	26.5	26.2
Min.Temp (°C)	21.1	21.1	20.9	20.4	20.9
Sky condition (Octas)	8	8	7	7	7
Relative humidity (%) 0830 hours	84.8	86.8	83.4	83.5	81.4
Relative humidity (%) 1730 hours	57.5	64	61.4	58.4	59.8
Wind Speed (kmph)	8.7	11.7	14.9	15.9	16.7
Wind Direction	253.1	252.1	254.6	264.8	262.6

- 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**

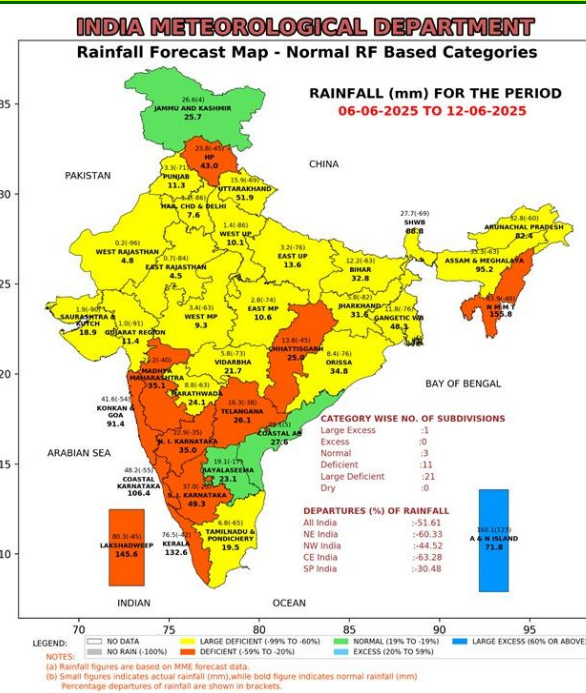
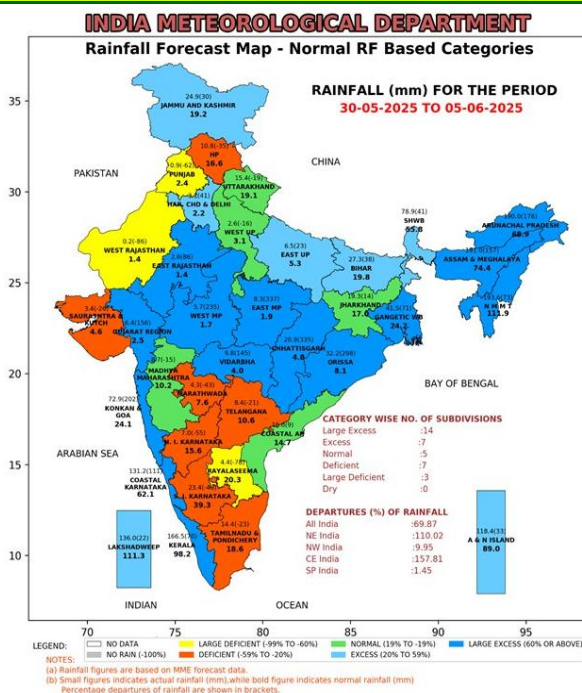
वास्तविकवर्षातथाविस्तारितअवधिपूर्वानुमान
Realized Rainfall and Extended Range Forecast
(वर्षाऔरतापमान)
(Rainfall and Temperature)

Realized Rainfall (15th to 28th May, 2025)



Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 28th May, 2025) (30th May to 12th June, 2025)



- Week 1 (30.05.2025 to 05.06.2025):** Rainfall is likely to be above normal over North East India and along West Coast and below normal over Interior Karnataka, Rayalaseema and Tamil Nadu. However, mainly dry weather is likely to be over Rajasthan, Punjab, Haryana, West Uttar Pradesh, Saurashtra & Kutch, most parts of Tamil Nadu, North Interior Karnataka and Rayalaseema.
- Week 2 (06.06.2025 to 12.06.2025):** Rainfall is likely to be below normal over most parts of the country. Mainly dry weather is likely over Rajasthan, Punjab, Haryana, Gujarat, Uttar Pradesh and Madhya Pradesh.

Maximum and Minimum temperature anomaly (°C) forecast

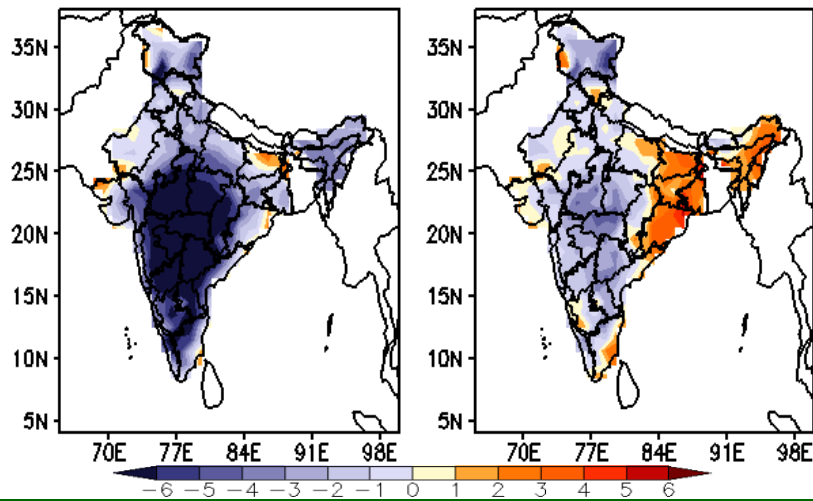
for the next 2 weeks (IC- 28thMay,2025)

(30thMay to 12th June, 2025)

MME forecast Tmax anomaly (Deg C)

(Week1: 30May–05Jun)

(Week2: 06Jun–12Jun)



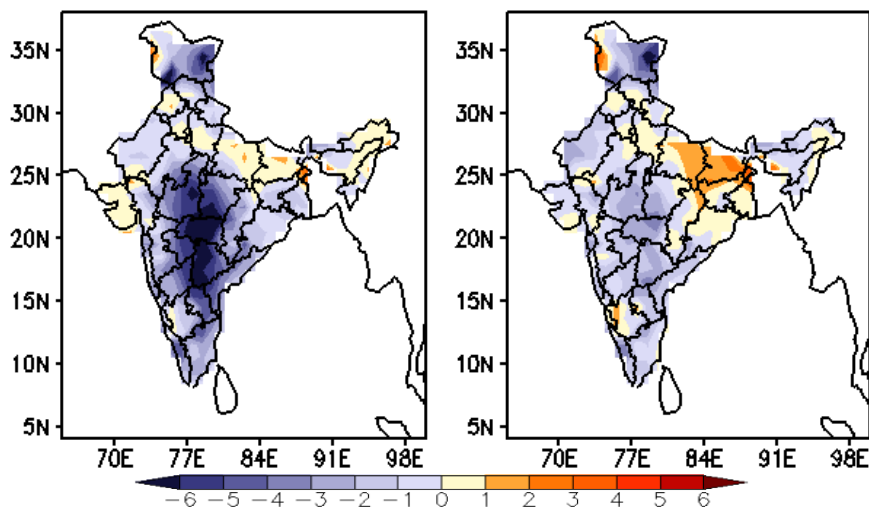
Maximum Temperature (Tmax)

- **Week 1 (30.05.2025 to 05.06.2025):**Maximum temperature is likely to be below normal over most parts of the country except Bihar.
- **Week 2 (06.06.2025 to 12.06.2025):**Maximum temperature is likely to be above normal over East and North East India and below normal over rest of the country.

MME forecast Tmin anomaly (Deg C)

(Week1: 30May–05Jun)

(Week2: 06Jun–12Jun)



Minimum Temperature (Tmin)

- **Week 1 (30.05.2025 to 05.06.2025):** Minimum temperature is likely to be below normal over most parts of the country. However, it is likely to be slightly above normal over Saurashtra & Kutch, Bihar, East Uttar Pradesh and Arunachal Pradesh.
- **Week 2 (06.06.2025 to 12.06.2025):** Minimum temperature is likely to be below normal over many parts of the country. However, it is likely to be above normal over Bihar and East Uttar Pradesh.