

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



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MYSURU – 570003**



Date: 25-04-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	22.04.2025	23.04.2025	24.04.2025	25.04.2025
Rainfall (mm)	0	0.5	0	0
Max. Temp. (°C)	35.2	34.6	34.9	30.8
Min. Temp. (°C)	19.9	21.3	21.2	21
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	82	80	80	79
Relative humidity (%) 1730 hours	36	29	45	51
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 26-04-2025 to 30-04-2025)

Parameter	26.04.2025	27.04.2025	28.04.2025	29.04.2025	30.04.2025
Rainfall (mm)	0	0	2	2	2
Max. Temp. (°C)	31	31	31	31	31
Min.Temp. (°C)	21	21	21	21	21
Sky condition (Octas)	3	3	5	5	5
Relative humidity (%) 0830 hours	81	72	73	72	73
Relative humidity (%) 1730 hours	52	51	50	51	52
Wind Speed (kmph)	10	8	10	10	8
Wind Direction	261	189	207	207	210

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 26.04.2025 to 30.04.2025 in Chamarajanagara district. The day temperature is expected to be 31°C & night temperature is expected 21°C. The relative humidity in the morning hours is expected to be 72-81% & afternoon relative humidity is expected to be in the range of 50-52%. Wind speed expected to be 8-10 km/ hr.

General Advisory:

- Light rainfall is expected; carry out weeding and fertilizer application during dry periods.
- Ensure proper drainage in paddy, vegetable, and plantation crops to avoid water stagnation.
- Support banana plants with props to prevent lodging due to wind and wet soil.
- Avoid pesticide and fungicide sprays just before or during rain; use biocontrols if needed.

➤ Provide clean water, dry bedding for livestock, and maintain good ventilation in poultry sheds.

SMS Advisory:

Light rain likely. Ensure drainage in crops, support banana, avoid sprays in rain, monitor vegetable crops for disease, keep livestock sheds clean and dry.

Recommendations to the farmers:-

Weather based advisory

Crop	Stage	Advisory
Paddy	Vegetative stage	Light rains are beneficial. Maintain 2–3 cm water in field. Apply top dressing of nitrogen (urea) if not yet done. Monitor for leaf folder and blast.
Maize	Tasseling stage	Ensure adequate soil moisture during tasseling—most critical stage. Light irrigation needed if rain is insufficient. Avoid spraying during tasseling.
Finger millet	Vegetative stage	Favorable for vegetative growth. Intercultural operations can be done. Apply nitrogen top dressing after rains.
Tomato	Flowering	Avoid water stagnation. Stake plants to prevent lodging. Spray borax (0.2%) to prevent flower drop. Monitor for thrips and leaf curl virus.
Chilli	Fruit formation stage	Ensure good drainage. Apply potassium-rich fertilizers for fruit setting. Monitor for sucking pests and fruit rot after rains.
Banana	Fruit development stage	Support plants to prevent lodging due to wind. Maintain basin cleanliness. Apply potash and micronutrients if not done.
Black gram, Green gram and cowpea	Sowing	Rains are favorable for sowing. Choose well-drained fields. Avoid sowing just before the 21st (moderate rain) to prevent seed rotting.
Sugarcane	Vegetative	Light rain is good. Carry out earthing-up if not done. Top-dressing of nitrogen after rainfall is beneficial. Control early shoot borer.
Mango	Fruit development stage	Light rain is favorable. Ensure fruit fly traps are installed. Spray potassium nitrate (1%) for fruit development and to prevent spongy tissue.
Vegetable crops	Various stages	Ensure drainage to avoid root rot. Spraying should be planned before rainfall. Check for fungal/pest issues post-rain and apply need-based treatment.

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.
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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 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 26-04-2025 to 30-04-2025)					
Chamarajanagara					
Parameter	26.04.2025	27.04.2025	28.04.2025	29.04.2025	30.04.2025
Rainfall (mm)	0.3	0.1	0.2	6.8	1.9
Max. temp (°C)	35.2	35.4	35.2	34.2	34.6
Min.Temp (°C)	22.5	22.6	22.8	22.4	22.2
Sky condition (Octas)	4	6	6	6	6
Relative humidity (%) 0830 hours	84.4	73.4	74.8	71.8	72.2

Relative humidity (%) 1730 hours	30.7	28.9	29.1	30.8	29.1
Wind Speed (kmph)	2.3	1.6	0.8	0.8	1.6
Wind Direction	288.4	153.5	243.4	206.5	296.6

Gundlupete

Parameter	26.04.2025	27.04.2025	28.04.2025	29.04.2025	30.04.2025
Rainfall (mm)	0.2	0.1	0.2	6	2.6
Max. temp (°C)	35.2	35.1	35.1	33.9	34.1
Min.Temp (°C)	22.2	22.1	22.4	22.1	21.9
Sky condition (Octas)	4	6	6	5	6
Relative humidity (%) 0830 hours	80	75.2	76.1	73.6	73.8
Relative humidity (%) 1730 hours	30.1	28.6	30.2	33.6	32.1
Wind Speed (kmph)	3.8	3.1	2.1	1.9	1.8
Wind Direction	253.3	200.5	239	248.2	0

Kollegala

Parameter	26.04.2025	27.04.2025	28.04.2025	29.04.2025	30.04.2025
Rainfall (mm)	0.3	0.1	0.6	3.8	3.5
Max. temp (°C)	36.2	36.6	36.4	35.5	35.8
Min.Temp (°C)	23.6	23.7	24.2	23.6	23.2
Sky condition (Octas)	5	6	5	5	6
Relative humidity (%) 0830 hours	81.9	77.8	77.1	66.9	70.5
Relative humidity (%) 1730 hours	24.4	23.8	24.7	27.2	26.4
Wind Speed (kmph)	3.9	3.1	2.9	2.3	3
Wind Direction	248.2	225	240.2	251.6	256

Yelandur

Parameter	26.04.2025	27.04.2025	28.04.2025	29.04.2025	30.04.2025
Rainfall (mm)	0.3	0.1	0.6	3.9	2.4
Max. temp (°C)	36.1	36.4	36.2	35.2	35.6
Min.Temp (°C)	23.4	23.4	23.9	23.2	23
Sky condition (Octas)	5	6	6	5	6
Relative humidity (%) 0830 hours	81.6	75.4	76.8	68.7	71.4
Relative humidity (%) 1730 hours	26.2	25.5	26.2	28.3	27.4
Wind Speed (kmph)	2.9	2.3	2.1	1.8	2.2
Wind Direction	262.9	218.6	239	258.7	0

Hanur					
Parameter	26.04.2025	27.04.2025	28.04.2025	29.04.2025	30.04.2025
Rainfall (mm)	0.2	0.2	0.5	2.8	4.3
Max. temp (°C)	35.2	35.2	35.1	34.5	34.7
Min.Temp (°C)	22.6	22.7	23.1	22.5	22.4
Sky condition (Octas)	4	6	5	5	6
Relative humidity (%) 0830 hours	81.1	76.5	75.7	71.9	76.1
Relative humidity (%) 1730 hours	26.2	25.7	27.4	28.8	27.1
Wind Speed (kmph)	1.8	1.9	0.8	0.5	1.1
Wind Direction	0	201.8	206.5	225	288.4

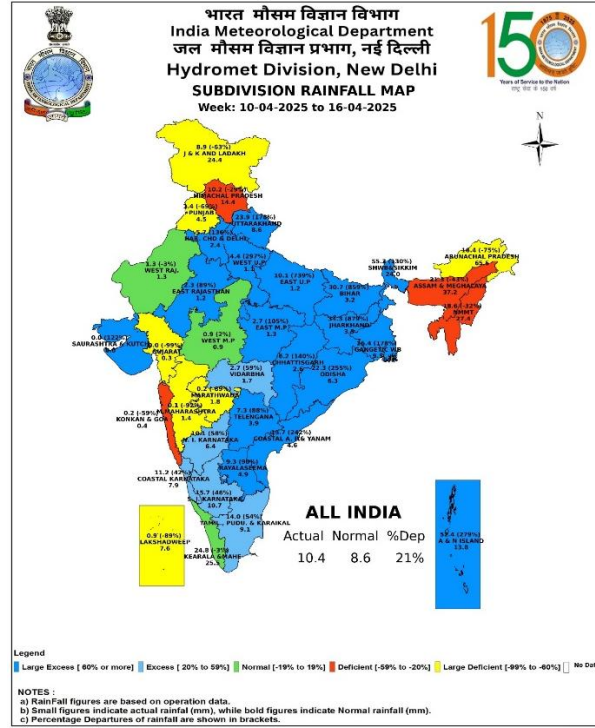
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

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**

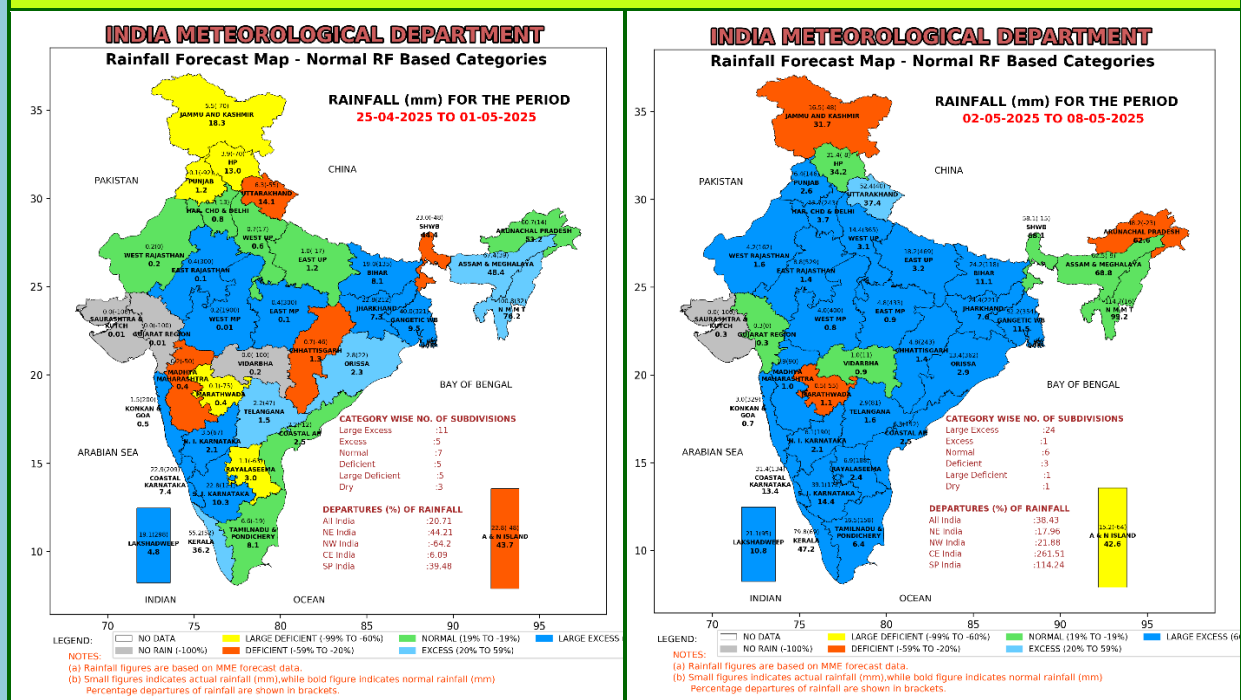
वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
 (वर्षा और तापमान)
 (Rainfall and Temperature)

Realized Rainfall
 (10th to 23rd April, 2025)



Extended Range Forecast System

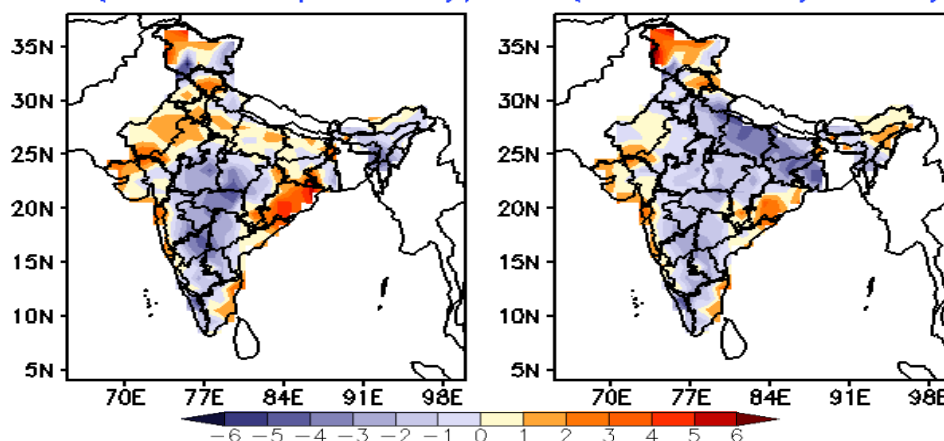
Rainfall forecast maps for the next 2 weeks (IC- 23rd April,2025) (25th April to 08th May, 2025)



- Week1(25.04.2025 to 01.05.2025):**Rainfall is likely to be above normal in Kerala, South Karnataka, Northeast India, Gangetic West Bengal, Jharkhand and Bihar. Rainfall activity is likely over some parts of Tamil Nadu, Uttarakhand, Himachal Pradesh and Jammu & Kashmir.
- Week 2 (02.05.2025 to 08.05.2025):**Rainfall is likely to be above normal over many parts of Northwest India, East India, Kerala, Tamil Nadu and Karnataka. Rainfall activity is likely over many parts of Northeast India.

**Maximum and Minimum temperature anomaly (°C) forecast
for the next 2 weeks (IC- 23rd April,2025)
(25th April to 08th May, 2025)**

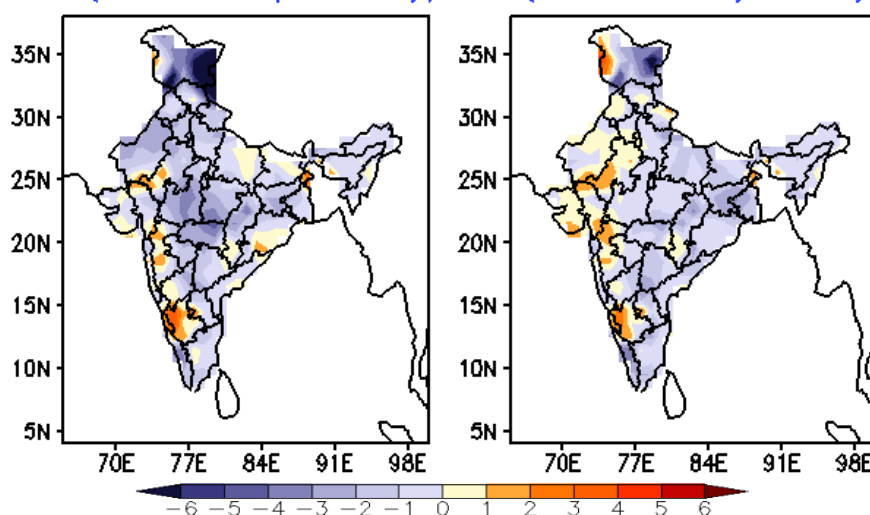
MME forecast Tmax anomaly (Deg C)
(Week1: 25Apr-01May) (Week2: 02May-08May)



Maximum Temperature (Tmax)

- **Week 1 (25.04.2025 to 01.05.2025):** Maximum temperature is likely to be above normal over North West India, Gujarat, Konkan-Goa, Odisha and coastal regions of Tamil Nadu. However, it is likely to be below normal over rest of the country.
- **Week 2 (02.05.2025 to 08.05.2025):** Maximum temperature is likely to be below normal over most parts of the country. However, it is likely to be above normal over Konkan-Goa, Gujarat, West Rajasthan, Jammu & Kashmir, Himachal Pradesh, coastal regions of Tamil Nadu and some parts of Odisha and Assam.

MME forecast Tmin anomaly (Deg C)
(Week1: 25Apr-01May) (Week2: 02May-08May)



Minimum Temperature (Tmin)

- **Week 1 (25.04.2025 to 01.05.2025):** Minimum temperature is likely to be below normal over most parts of the country. However, it is likely to be above normal over Karnataka.
- **Week 2 (02.05.2025 to 08.05.2025):** Minimum temperature is likely to be below normal over many parts of the country. However, it is likely to be above normal over Rajasthan, Gujarat, Madhya Maharashtra and Karnataka.