

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



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Date: 22-04-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	0	0	0.5	0
Max. Temp. (°C)	33.3	33.4	35.4	35.2
Min. Temp. (°C)	21.3	20.9	20.6	19.9
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	82	81	76	82
Relative humidity (%) 1730 hours	-	-	51	36
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 23-04-2025 to 27-04-2025)

Parameter	23.04.2025	24.04.2025	25.04.2025	26.04.2025	27.04.2025
Rainfall (mm)	2	0	0	2	4
Max. Temp. (°C)	35	35	35	35	35
Min.Temp. (°C)	20	20	20	20	20
Sky condition (Octas)	2	2	3	4	5
Relative humidity (%) 0830 hours	77	81	86	87	80
Relative humidity (%) 1730 hours	35	36	37	36	37
Wind Speed (kmph)	12	10	10	8	8
Wind Direction	210	264	280	287	261

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 23.04.2025 to 27.04.2025 in Chamarajanagara district. The day temperature is expected to be 35°C & night temperature is expected 20°C. The relative humidity in the morning hours is expected to be 77-87% & afternoon relative humidity is expected to be in the range of 35-37%. Wind speed expected to be 8-12 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 23-04-2025 to 27-04-2025)					
Chamarajanagara					
Parameter	23.04.2025	24.04.2025	25.04.2025	26.04.2025	27.04.2025
Rainfall (mm)	0	0.2	0.1	0.2	0.1
Max. temp (°C)	34.5	34.6	34.9	34.7	35.4
Min.Temp (°C)	21.9	21.9	22.2	22.2	22.6
Sky condition (Octas)	2	3	3	5	5
Relative humidity (%) 0830 hours	75.4	84.8	88.2	84.4	84.7

Relative humidity (%) 1730 hours	29.6	27.9	29.4	33.3	29.9
Wind Speed (kmph)	1.9	3.1	4.6	3.4	2.3
Wind Direction	201.8	290.6	308.7	302	321.4

Gundlupete					
Parameter	23.04.2025	24.04.2025	25.04.2025	26.04.2025	27.04.2025
Rainfall (mm)	0	0.3	0.1	0.5	0.2
Max. temp (°C)	34.2	34.4	34.6	34.5	35.2
Min.Temp (°C)	21.5	21.5	21.8	22	22.1
Sky condition (Octas)	2	3	3	4	5
Relative humidity (%) 0830 hours	76.4	84.8	88.8	84.4	83.3
Relative humidity (%) 1730 hours	28.4	28.1	30.6	31.8	27.5
Wind Speed (kmph)	4.8	5.5	6.9	4.3	3.1
Wind Direction	243.4	258.7	264	265.2	249.4

Kollegala					
Parameter	23.04.2025	24.04.2025	25.04.2025	26.04.2025	27.04.2025
Rainfall (mm)	0	0.1	0.2	0.2	0.1
Max. temp (°C)	35.7	35.7	36	35.7	36.4
Min.Temp (°C)	22.5	22.8	23.1	23.2	23.2
Sky condition (Octas)	2	4	4	4	5
Relative humidity (%) 0830 hours	76.3	82.6	88.9	87.3	85.2
Relative humidity (%) 1730 hours	22.6	23.9	25.1	27.2	26.1
Wind Speed (kmph)	3.1	4.5	5.6	4.8	2.5
Wind Direction	225	241.4	255.1	257	261.9

Yelandur					
Parameter	23.04.2025	24.04.2025	25.04.2025	26.04.2025	27.04.2025
Rainfall (mm)	0	0.1	0.1	0.2	0.1
Max. temp (°C)	35.5	35.4	35.9	35.6	36.2
Min.Temp (°C)	22.2	22.5	22.9	22.9	23.1
Sky condition (Octas)	2	4	4	5	5
Relative humidity (%) 0830 hours	73.2	81.3	88.8	84.3	85.8
Relative humidity (%) 1730 hours	24.6	25.6	26.4	28.9	27.5
Wind Speed (kmph)	2.5	3.9	4.7	4	1.8
Wind Direction	225	248.2	261.2	264.8	0

Hanur					
Parameter	23.04.2025	24.04.2025	25.04.2025	26.04.2025	27.04.2025
Rainfall (mm)	0	0.2	0.9	0.5	0.2
Max. temp (°C)	34.2	34.7	35.4	35	35.2
Min.Temp (°C)	21.8	21.9	22.2	22.2	22.4
Sky condition (Octas)	2	4	3	5	5
Relative humidity (%) 0830 hours	71	81.4	89.3	89	86.4
Relative humidity (%) 1730 hours	25.1	25.3	26	27.2	27.3
Wind Speed (kmph)	2.1	4	5.4	3.3	2.2
Wind Direction	239	0	277.6	282.5	279.5

- 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

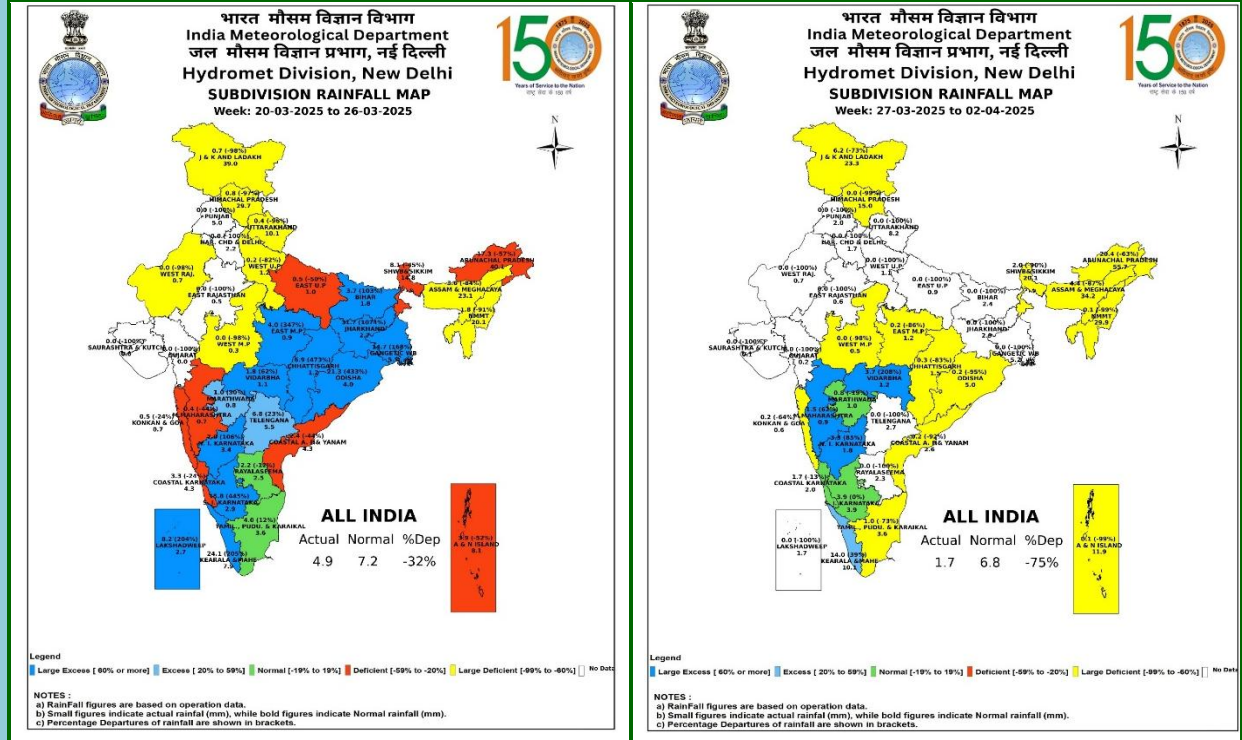
For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/
Dr. Sumanth Kumar.G.V, Technical officer over phone No. 0821-259126/ 9535345814.

**AMFU of IMD,
Naganahalli, Mysuru**

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

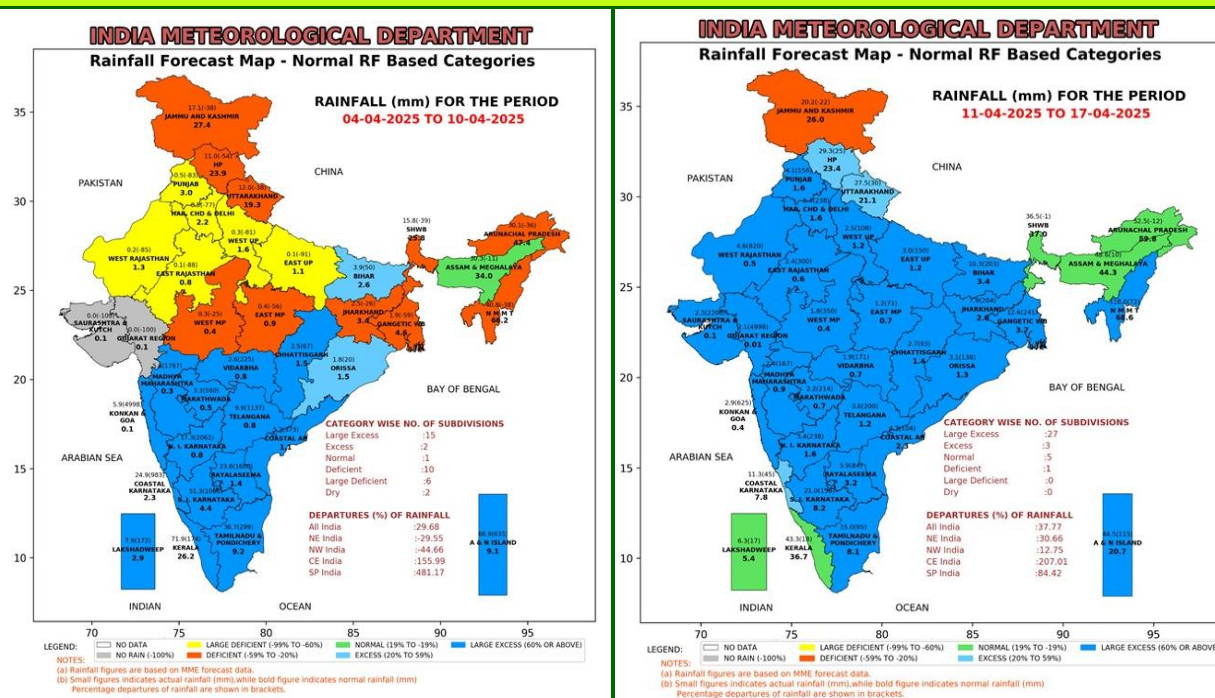
Realized Rainfall

(20th March to 02nd April, 2025)



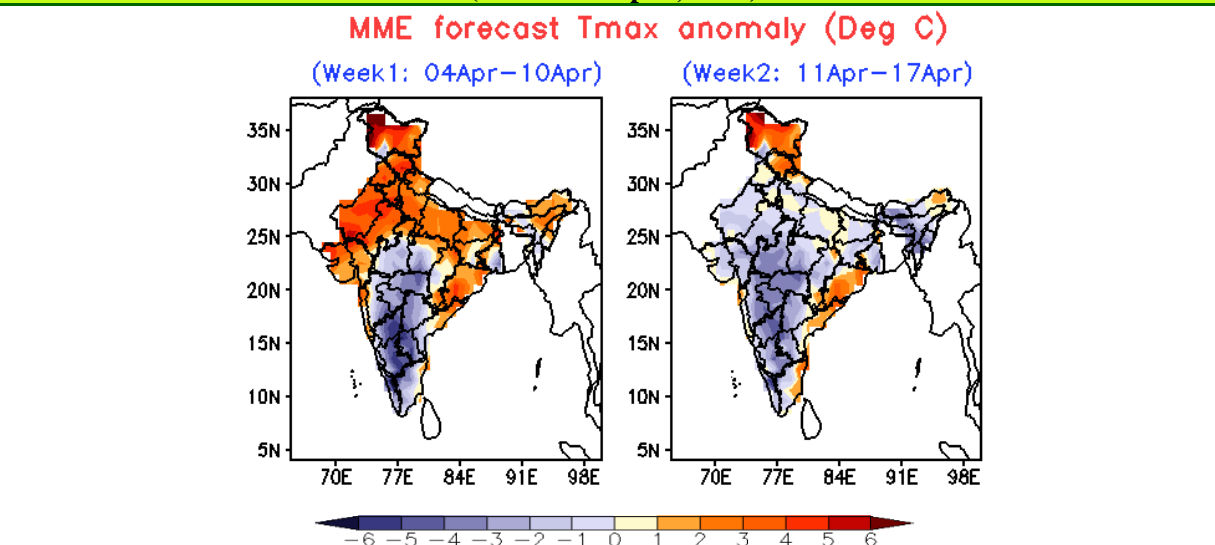
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 02nd April,2025) (04th to 17th April, 2025)



- Week1(04.04.2025 to 10.04.2025):** Rainfall is likely to be above normal over Kerala, Tamil Nadu, Karnataka, Telangana and Rayalaseema. Rainfall activity is also likely over North East India, Jammu & Kashmir, Himachal Pradesh, Uttarakhand and some parts of Maharashtra.
- Week 2 (11.04.2025 to 17.04.2025):** Rainfall is likely to be above normal over South Karnataka and some parts of North East India, Kerala and Tamil Nadu. Rainfall activity is also likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Bihar, Gangetic West Bengal, some parts of Punjab and Jharkhand.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 02nd April,2025) (04th to 17th April, 2025)



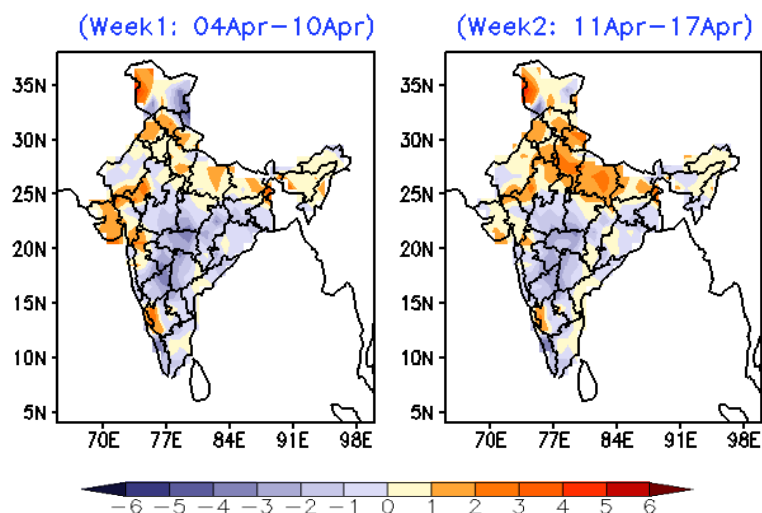
Maximum Temperature (Tmax)

- Week 1 (04.04.2025 to 10.04.2025):** Maximum temperature is likely to be above normal over North West India, East India, many parts of North East India, Gujarat, Konkan-Goa

and some parts of Chhattisgarh. However, it is likely to be below normal over South India, many parts of Central and West India.

- **Week 2 (11.04.2025 to 17.04.2025):** Maximum temperature is likely to be below normal over most parts of country except Jammu & Kashmir, Himachal Pradesh, Odisha, Coastal Andhra Pradesh and coastal regions of Tamil Nadu where it is likely to be above normal.

MME forecast Tmin anomaly (Deg C)



Minimum Temperature (Tmin)

- **Week 1 (04.04.2025 to 10.04.2025):** Minimum temperature is likely to be below normal over many parts of Central India, East India and South India. However, it is likely to be above normal over many parts of North West India, North East India, Bihar, Gujarat, Madhya Maharashtra and Karnataka.
- **Week 2 (11.04.2025 to 17.04.2025):** Minimum temperature is likely to be below normal over many parts of Central India, East India and South India. However, it is likely to be above normal over North West India & Bihar and parts of North East India, Gujarat and Karnataka.