

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



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Date: 28-03-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	25.03.2025	26.03.2025	27.03.2025	28.03.2025
Rainfall (mm)	0	0	0	0
Max. Temp. (°C)	34.9	35.8	34.9	35.5
Min. Temp. (°C)	19.9	19.2	19.2	20.5
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	80	74	74	78
Relative humidity (%) 1730 hours	-	-	-	-
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 29-03-2025 to 02-04-2025)

Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	1	0	0	4	4
Max. Temp. (°C)	35	36	36	37	37
Min.Temp. (°C)	21	21	22	22	23
Sky condition (Octas)	3	2	2	2	1
Relative humidity (%) 0830 hours	68	70	72	74	72
Relative humidity (%) 1730 hours	25	20	22	23	21
Wind Speed (kmph)	8	6	8	12	12
Wind Direction	198	203	163	157	159

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 29.03.2025 to 02.04.2025 in Chamarajanagara district. The day temperature is expected to be 35-37°C & night temperature is expected 21-23°C. The relative humidity in the morning hours is expected to be 68-74% & afternoon relative humidity is expected to be in the range of 20-25%. Wind speed expected to be 6-12 km/ hr.

SMS Advisory

A forecasted temperature for the next five days is 35-36°C. Farmers should irrigate crops adequately and use mulching to conserve soil moisture. Provide shade and sufficient drinking water for livestock to prevent heat stress. Very light rainfall aids in minimizing heat-related damage for crops.

Recommendations to the farmers:-			
Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
<ul style="list-style-type: none"> • No rainfall; retain soil moisture, providing irrigation at proper intervals is essential to prevent drought stress. • Mulching with straw, dry leaves or plastic mulch will help retain soil moisture and reduce evaporation losses. • Pest and Disease Monitoring: Dry conditions favor thrips, mites, aphids, and other sucking pests—regularly monitor crops and use biological or recommended chemical controls if necessary. • Drip Irrigation or Sprinkler System: Efficient water management through drip or sprinkler irrigation is advised to optimize water usage. • For harvested Crops: Proper drying and moisture management should be ensured before storage to prevent fungal and insect infestations. 			

Weather based advisory		
Crop	Stage	Advisory
Paddy	Vegetative stage	Provide regular irrigation to maintain soil moisture. Monitor for stem borer and apply necessary pest control. Maintain proper weed control.
Maize	Tasseling stage	Ensure sufficient moisture to support grain formation. Avoid moisture stress by irrigating fields. Monitor for fall armyworm and use pheromone traps or biological control if needed.
Finger millet	Vegetative stage	Irrigate based on soil moisture. Keep the field weed-free. Apply necessary nutrients for proper growth.
Tomato	Vegetative stage	Water at regular intervals to prevent stress. Monitor for pests like thrips and diseases like early blight. Use mulch to conserve soil moisture.
Chilli	Fruit formation stage	Regular irrigation is essential to avoid flower and fruit drop. Monitor for thrips and mites. Apply organic mulching to retain soil moisture.
Banana	Fruit development stage	Provide irrigation at regular intervals. Ensure proper nutrient supply, especially potassium for better fruit development. Protect plants from sunburn by using organic mulch.
Vegetable crops	Various stages	Maintain adequate soil moisture. Protect crops from pest attacks due to dry weather. Mulching can help conserve moisture and regulate soil temperature.

Livestock, Poultry, and Sericulture Advisory (Very light Rainfall & High Temperature)	
Sector	Weather-Based Advisory
Livestock	Ensure proper shade and ventilation in animal sheds. Provide ample clean drinking water. Avoid grazing during peak heat hours. Provide mineral supplements to prevent heat stress.
Poultry	High temperatures may lead to heat stress, affecting egg production and bird health. Maintain proper ventilation in poultry sheds. Provide cool drinking water with electrolytes. Reduce feed quantity in the daytime and provide more during cooler hours.
Sericulture	High temperatures can stress silkworms. Maintain humidity by sprinkling water in rearing rooms. Provide proper aeration and shade to protect mulberry plants from heat stress.

Moisture Conservation Practices and Summer Ploughing Advisory	
Practice	Weather-Based Advisory
Mulching	Apply dry leaves, paddy straw, or organic waste around plants to reduce evaporation losses and soil temperature.
Summer Ploughing	Since rainfall is absent, conduct deep summer ploughing to expose soil-borne pests and improve aeration. It also helps in better moisture retention for the next season.
Irrigation Management	Follow drip irrigation or sprinkler irrigation to conserve water. Irrigate during early morning or evening hours to minimize evaporation losses.
Shading Measures	For young plants and nurseries, use shade nets or temporary structures to reduce direct heat impact.

Sugarcane trash management
<ul style="list-style-type: none"> ➤ Composting: Convert trash into organic manure. ➤ Mulching: Use as mulch to conserve moisture and suppress weeds. ➤ Bio-decomposer: Spray bio-decomposers (e.g., <i>Trichoderma</i>, <i>Pseudomonas</i>) on trash piles to accelerate decomposition. ➤ Soil Incorporation: Shred and plow trash into the soil. ➤ Vermicomposting: Use in vermiculture for nutrient-rich compost. ➤ Animal Bedding: Use for livestock, later as manure. ➤ Avoid Burning: Opt for sustainable disposal methods.

Recommendation to farmers		
Crop specific advisory:		
Crop	Stage	Advisory
Maize fall army worm	Vegetative 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	Vegetative 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.
Cabbage diamond back moth	Head stage	<ul style="list-style-type: none"> • Spray DDVP 76 EC. @0.5 ml./lit water in nursery. • 15 days before transplanting around the main field and every 25 rows of cabbage one row of mustard sowing, 15 to 20 days after cabbage planting another row of mustard sowing. Mustard as trap crop. Spray on mustard with 0.5 ml. DDVP in a lit. water. • During head formation, spray 5 per cent NSKE. • Birdpurchases may be provided to attract predatory birds.

Bean Pod borer	Pod formation stage	Spray 2.0 ml. Malathion 50 EC./ lit. water.
Tomato Early and late blight of tomato	Fruiting stage	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 OR 2.0 g. Maneb OR 2.0 g. Metalaxyl- MZ 72WP. OR 2.0 g. Dimethomorph + polyram/lit. water. For control of late blight spray 2.0 g. Metalaxyl - MZ 72WP. OR 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.
Banana Leaf spot (Cigatoka)	Fruit development	In endemic areas grow resistant banana variety - Sakkare bale. At the time of planting the rhizomes may treated with any one of the Fungicides /lit. water a)Propiconazole 25 EC.- 1.0 ml. b)Theiophenate methyl 70 Wdiv.- 1.0 g. c)Carbendazim 50 Wdiv.- 1.0 g. d)Metham Sodium (Vapom) - 1.0 g. In Mashy area provide drainage.
Field bean pod borer	Pod development	Dust 10 kg. Fenvalrate 0.4 D. OR Malathion 5 D. per acre during morning hours.

Block level weather forecast (From 29-03-2025 to 02-04-2025)					
Chamarajanagara					
Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	0.1	0	0	0	0.1
Max. temp (°C)	34.7	35.1	35.2	34.9	33.6
Min.Temp (°C)	21.6	21.1	21	20.7	20.5
Sky condition (Octas)	4	2	1	2	3
Relative humidity (%) 0830 hours	75.1	71.3	72.8	78.2	86
Relative humidity (%) 1730 hours	30.5	21.9	26.8	29.6	28.5
Wind Speed (kmph)	2.6	4.7	6.2	8.1	8
Wind Direction	164.1	171.3	144.5	159.2	153.5

Gundlupete

Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	0.2	0	0	0.1	0.2
Max. temp (°C)	33.9	35	35.1	34.7	34.1
Min.Temp (°C)	21.4	20.9	20.6	20.2	20.2
Sky condition (Octas)	3	2	1	2	2
Relative humidity (%) 0830 hours	70.9	62.5	65.9	69.7	72.2
Relative humidity (%) 1730 hours	33.1	20.3	26.4	25.8	24
Wind Speed (kmph)	2.5	4.5	3.4	4.5	4.8
Wind Direction	90	208.6	161.6	166	167

Kollegala

Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	0.1	0	0	0	0.6
Max. temp (°C)	35.9	36.8	36.7	36.1	34.6
Min.Temp (°C)	23	22.2	21.8	21.8	21.5
Sky condition (Octas)	3	2	1	2	2
Relative humidity (%) 0830 hours	61	56.1	58.5	59.8	69.9
Relative humidity (%) 1730 hours	23.6	17.5	19.5	22.3	26
Wind Speed (kmph)	2.7	4	4.5	5.4	4.8
Wind Direction	203.2	190.3	166	172.4	167

Yelandur

Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	0.1	0	0	0	0.5
Max. temp (°C)	35.8	36.7	36.5	36	34.6
Min.Temp (°C)	22.8	22	21.6	21.6	21.2
Sky condition (Octas)	3	2	1	2	2
Relative humidity (%) 0830 hours	63.9	60.3	61.7	65.5	74.9
Relative humidity (%) 1730 hours	25.6	18.8	21.8	23.9	27.4
Wind Speed (kmph)	2.6	4.3	4.9	5.9	5.2
Wind Direction	195.9	184.7	162.9	169.4	164.1

Hanur

Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	0	0	0	0	0.5
Max. temp (°C)	34.5	35.5	34.9	34.6	33.4
Min.Temp (°C)	22.1	21.5	21.1	20.9	20.2

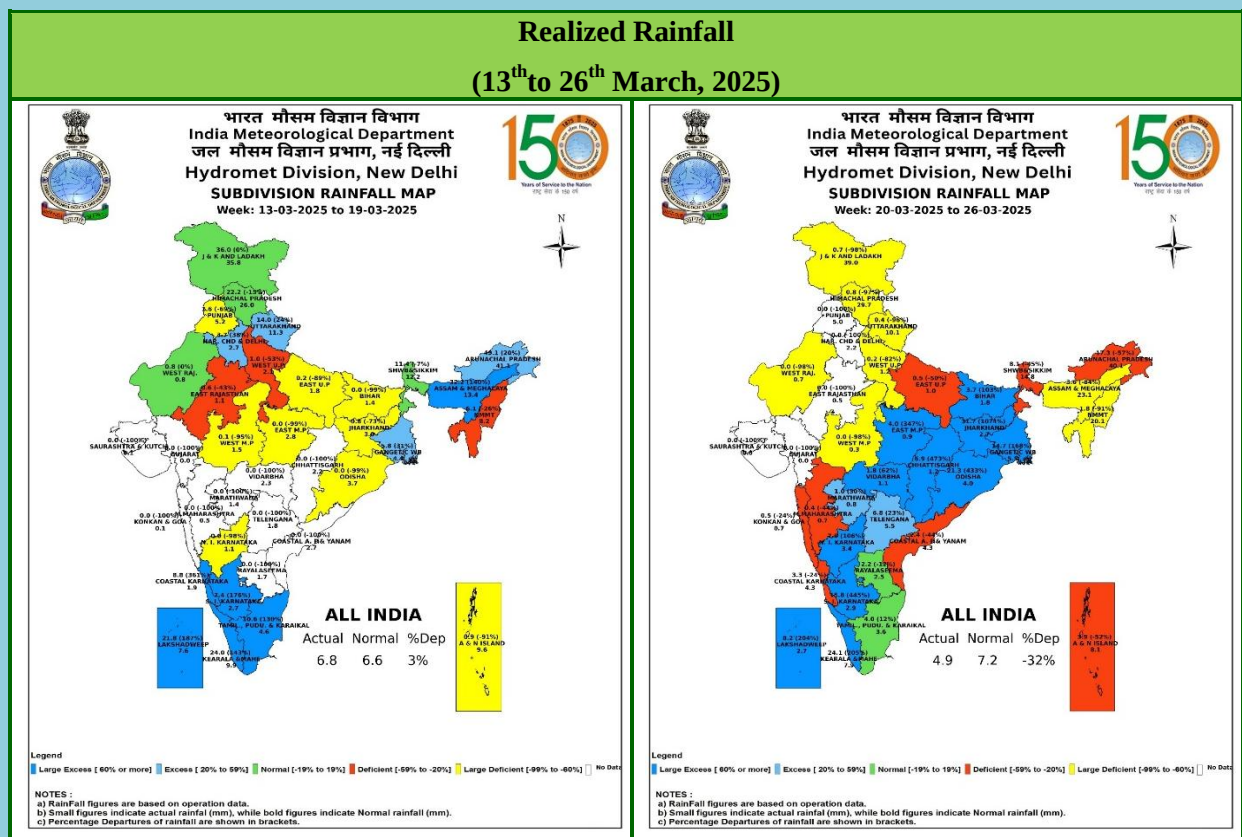
Sky condition (Octas)	4	2	1	3	2
Relative humidity (%) 0830 hours	60.3	59.8	56.8	63.7	76
Relative humidity (%) 1730 hours	23.3	18.9	21.8	23.6	28.2
Wind Speed (kmph)	2.2	4.3	3.5	5.6	6
Wind Direction	90	184.7	156.1	165.1	155

- 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.

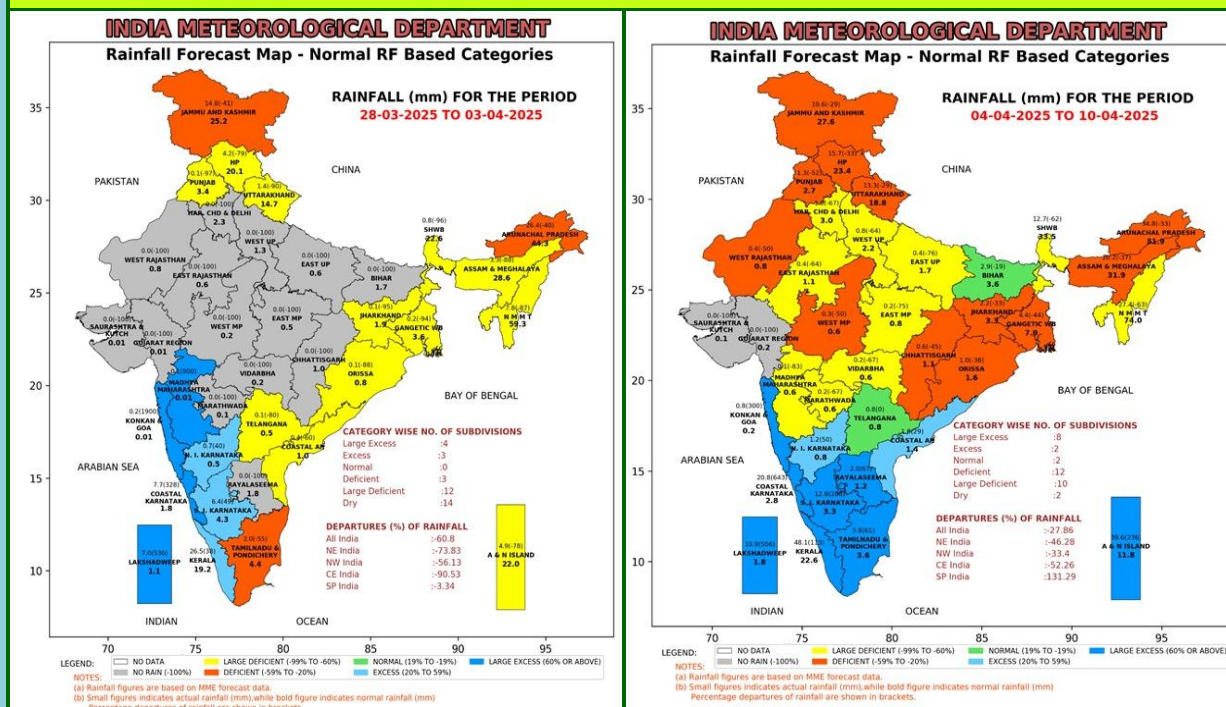
AMFU of IMD,
Naganahalli, Mysuru

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



Extended Range Forecast System

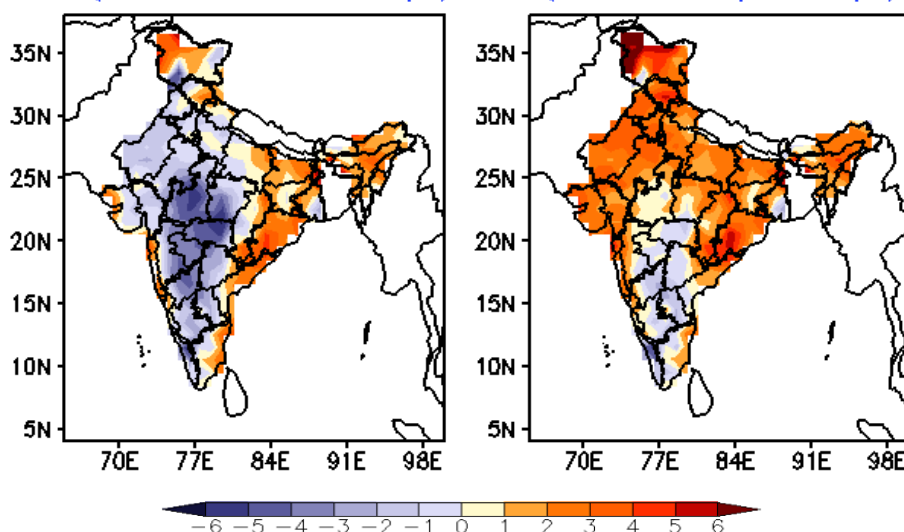
Rainfall forecast maps for the next 2 weeks (IC- 26th March, 2025) (28th March to 10th April, 2025)



- Week1(28.03.2025 to 03.04.2025):** Rainfall is likely to be above normal over coastal regions of Kerala and Karnataka. Rainfall activity is also likely over Jammu & Kashmir and many parts of North East India.
- Week 2 (04.03.2025 to 10.04.2025):** Rainfall is likely to be above normal over Kerala and South Karnataka. Rainfall activity is also likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and North East India.

Maximum and Minimum temperature anomaly ($^{\circ}$ C) forecast for the next 2 weeks (IC- 26th March, 2025) (28th March to 10th April, 2025)

MME forecast Tmax anomaly (Deg C) (Week1: 28Mar-03Apr) (Week2: 04Apr-10Apr)



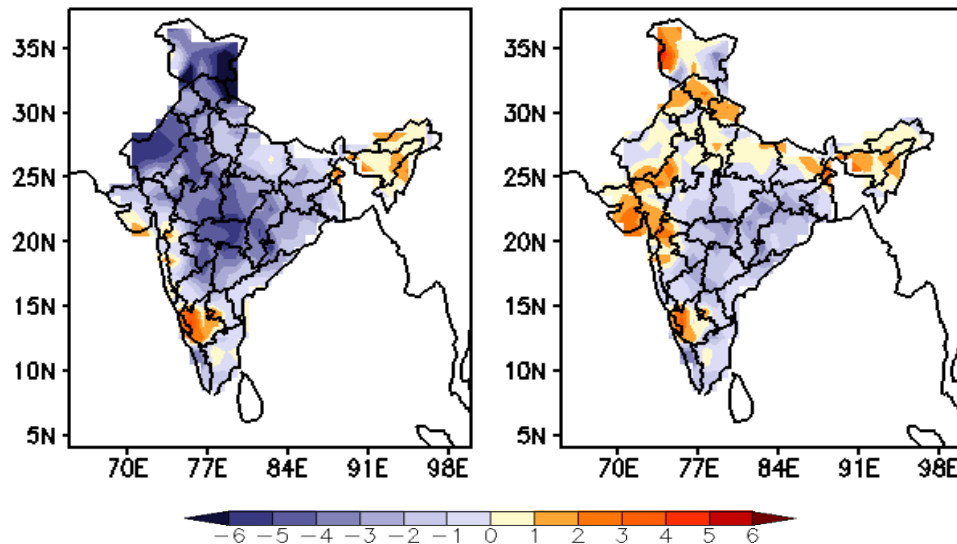
Pradesh and parts of Himachal Pradesh, East Uttar Pradesh, Chhattisgarh and Tamil Nadu. However, it is likely to be below normal over Rajasthan and many parts of Central India, West India and South India.

- **Week 2 (04.03.2025 to 10.04.2025):** Maximum temperature is likely to be above normal over many parts of the country. However, it is likely to be below normal over Vidarbha, Marathwada and many parts of South India.

MME forecast Tmin anomaly (Deg C)

(Week1: 28Mar–03Apr)

(Week2: 04Apr–10Apr)



Minimum Temperature (Tmin)

- **Week 1 (28.03.2025 to 03.04.2025):** Minimum temperature is likely to be below normal over most parts of the country and above normal over North East India and Karnataka.
- **Week 2 (04.03.2025 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.