UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT

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MYSURU – 570003

Date: 15-04-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	12.04.2025	13.04.2025	14.04.2025	15.04.2025
Rainfall (mm)	-	0	0	0
Max. Temp. (°C)	-	33.5	33.5	36.2
Min. Temp. (°C)	-	21.1	20.7	26.5
Sky condition (Octas)	-	-	-	5
Relative humidity (%) 0830 hours	-	86	95	81
Relative humidity (%) 1730 hours	-	55	36	66
Wind Speed (km/h)	-	-	-	0
Wind Direction	-	-	-	0

Weather forecast for the next five days (From 16-04-2025 to 20-04-2025)

Parameter	16.04.2025	17.04.2025	18.04.2025	19.04.2025	20.04.2025
Rainfall (mm)	5	2	4	0	4
Max. Temp. (°C)	36	36	36	36	36
Min.Temp. (°C)	27	27	27	27	28
Sky condition (Octas)	3	4	3	4	4
Relative humidity (%) 0830 hours	81	80	81	82	87
Relative humidity (%) 1730 hours	61	62	61	60	43
Wind Speed (kmph)	12	12	10	8	10
Wind Direction	207	196	231	283	281

Forecast Summary

As forecast received from IMD, partially cloudy sky with light rainfall may be expected from 16.04.2025 to 20.04.2025 in Chamarajanagara district. The day temperature is expected to be 36°C & night temperature is expected 27-28°C. The relative humidity in the morning hours is expected to be 80-87% & afternoon relative humidity is expected to be in the range of 43-63%. Wind speed expected to be 8-12 km/ hr.

SMS Advisory

A forecasted temperature for the next five days is 32°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:			

- **Light 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

- **Composting:** Convert trash into organic manure.
- **Mulching:** Use as mulch to conserve moisture and suppress weeds.
- **Bio-decomposer:** Spray bio-decomposers (e.g., *Trichoderma, Pseudomonas*) 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	✓ Handpick and destroy egg masses and larvae. ✓ Use predators like *Trichogramma pretiosum* or parasitoids like *Telenomus remus*. ✓ Apply *Metarhizium anisopliae* or *Beauveria bassiana*. ✓ 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	✓ Prune and burn infested leaves. ✓ Release *Encarsia guadeloupae* parasitoids. Conserve natural predators like ladybird beetles (*Cryptolaemus montrouzieri*). ✓ 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	✓ 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	• 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. • Birdpurches 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)Propiconozole 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 16-04-2025 to 20-04-2025)					
Chamarajanagara					
Parameter	**16.04.2025**	**17.04.2025**	**18.04.2025**	**19.04.2025**	**20.04.2025**
Rainfall (mm)	3.2	3.1	1.8	2.1	2
Max. temp (°C)	32.1	30.5	31.9	32.2	32.7
Min.Temp (°C)	21.4	21.2	21.2	21.7	21.7
Sky condition (Octas)	3	3	3	3	4
Relative humidity (%) 0830 hours	82.2	79.8	78.8	74.7	75.2
Relative humidity (%) 1730 hours	38.7	43	32.1	32.6	34.5
Wind Speed (kmph)	3.6	2.6	3.1	1.9	0.8
Wind Direction	306.9	303.7	315	248.2	153.5

Gundlupete					
Parameter	**16.04.2025**	**17.04.2025**	**18.04.2025**	**19.04.2025**	**20.04.2025**
Rainfall (mm)	3.2	3.6	1.3	1.4	2
Max. temp (°C)	31.7	30.1	32	32.8	33.2
Min.Temp (°C)	21.2	20.7	21	21.2	21.2
Sky condition (Octas)	3	3	3	3	4
Relative humidity (%) 0830 hours	82.1	80.2	73.9	69.3	73.2
Relative humidity (%) 1730 hours	38.6	44.8	31.7	28.7	32.4
Wind Speed (kmph)	5.4	5	3.8	2.8	0.4
Wind Direction	0	249	253.3	219.8	90

Kollegala					
Parameter	**16.04.2025**	**17.04.2025**	**18.04.2025**	**19.04.2025**	**20.04.2025**
Rainfall (mm)	3.1	3.6	0.9	2.4	1.9
Max. temp (°C)	33.9	31.2	33.7	34	34.5
Min.Temp (°C)	22.2	22.2	22.1	22.9	22.9
Sky condition (Octas)	3	3	3	3	3
Relative humidity (%) 0830 hours	81.2	77.9	74	74.7	71.4
Relative humidity (%) 1730 hours	33.4	39.3	28.4	26.3	29.1
Wind Speed (kmph)	4.3	4.1	4.3	4.2	2.3
Wind Direction	274.8	232.1	274.8	239	231.3

Yelandur					
Parameter	**16.04.2025**	**17.04.2025**	**18.04.2025**	**19.04.2025**	**20.04.2025**
Rainfall (mm)	3.4	3.8	0.9	2.4	1.2
Max. temp (°C)	33.6	31	33.2	33.7	34.4
Min.Temp (°C)	21.9	21.9	21.9	22.7	22.6
Sky condition (Octas)	3	3	3	3	3
Relative humidity (%) 0830 hours	80.6	78.2	75.4	73.3	71.2
Relative humidity (%) 1730 hours	35.2	40.9	29.3	27.1	30.7
Wind Speed (kmph)	4.1	3.4	3.7	3.9	2
Wind Direction	285.3	238	281.3	236.3	225

Hanur					
Parameter	**16.04.2025**	**17.04.2025**	**18.04.2025**	**19.04.2025**	**20.04.2025**
Rainfall (mm)	9.1	3.1	1.9	3.3	2.2
Max. temp (°C)	32.5	30.1	32.7	33	33.4
Min.Temp (°C)	21.1	21	21.2	21.7	22.1

Sky condition (Octas)	3	4	3	3	3
Relative humidity (%) 0830 hours	85.4	80.4	78.4	74.8	73.3
Relative humidity (%) 1730 hours	36	41.1	28.6	27.2	30.1
Wind Speed (kmph)	4.4	4	3	3.2	1.3
Wind Direction	279.5	264.8	284	243.4	213.7

- 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

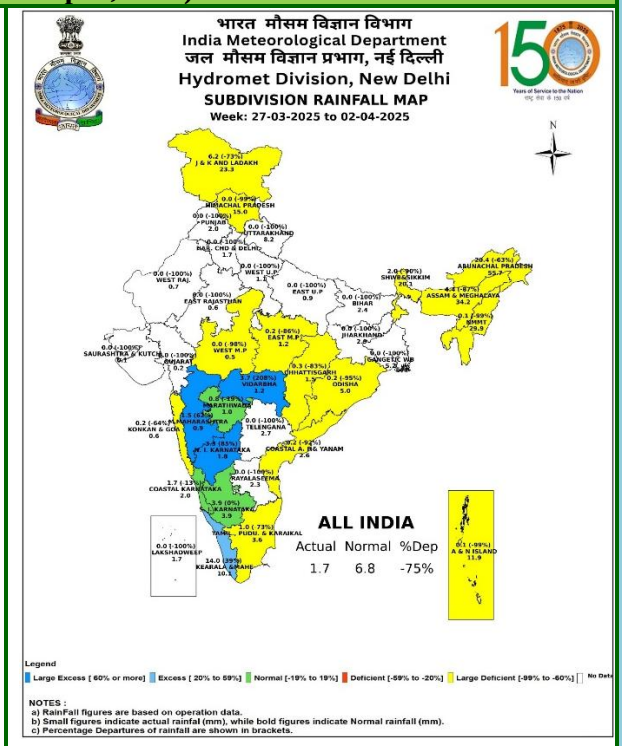
For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Technical officer over phone No. 0821-259126/ 9535345814.

AMFU of IMD,
Naganahalli, Mysuru

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

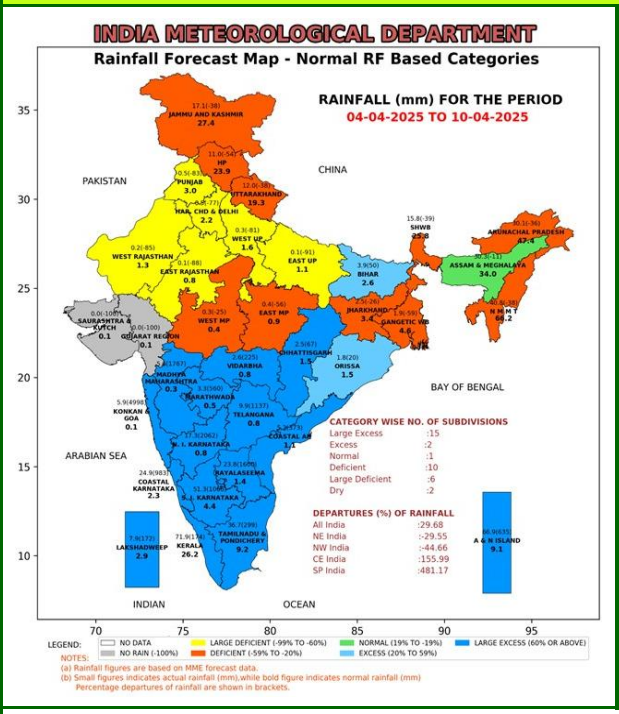
Realized Rainfall

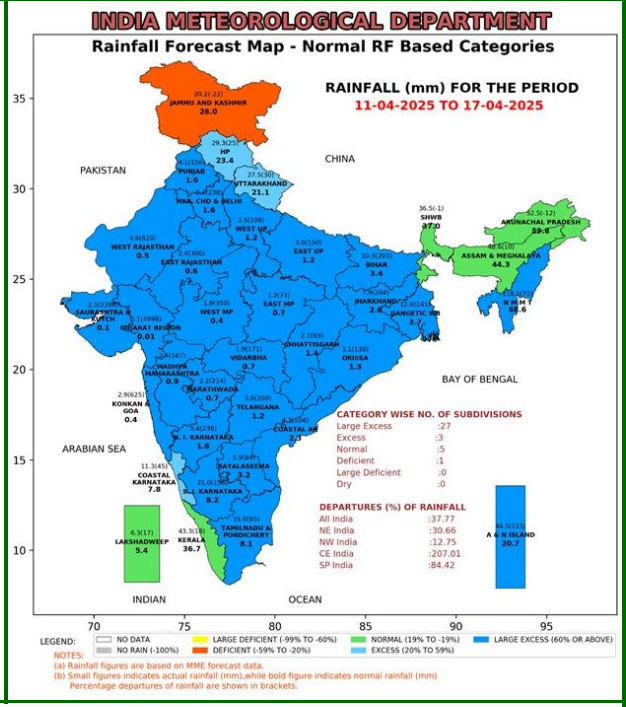
(20th March to 02nd April, 2025)



Extended Range Forecast System

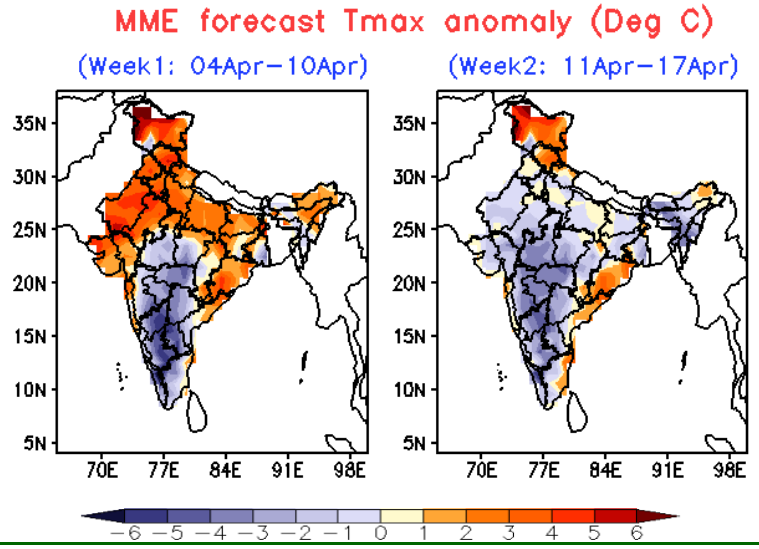
Rainfall forecast maps for the next 2 weeks (IC- 02nd April,2025) (04thto 17thApril, 2025)





- **Week1(04.04.2025 to 10.04.2025):**Rainfall is likely to be above normalover 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 normalover 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) (04thto 17th April, 2025)

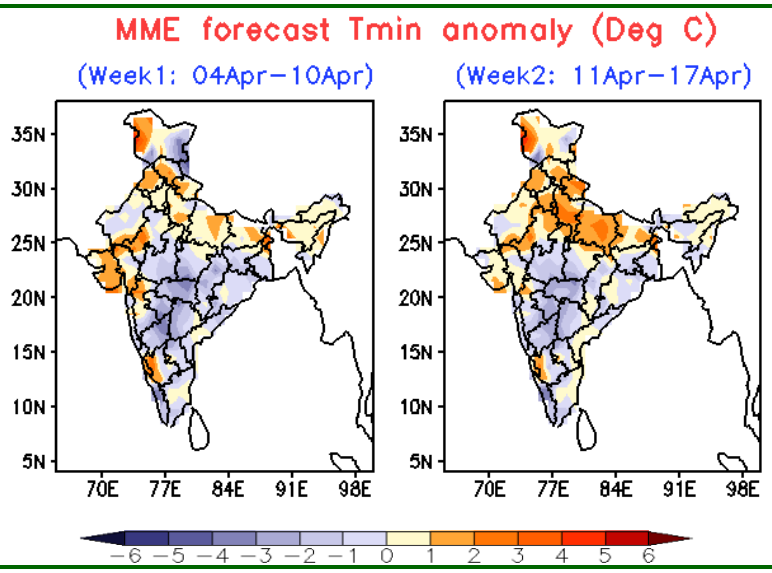


Maximum Temperature (Tmax)

- **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.



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 andKarnataka.
- **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.