UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT

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MYSURU – 570003

Date: 20-05-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	17.05.2025	18.05.2025	19.05.2025	20.05.2025
Rainfall (mm)	0.5	10	50.5	2.5
Max. Temp. (°C)	32.8	31.9	32.7	29.9
Min. Temp. (°C)	23.1	22.3	21.6	22.9
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	97	98	97	95
Relative humidity (%) 1730 hours	63	56	75	64
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 21-05-2025 to 25-05-2025)

Parameter	21.05.2025	22.05.2025	23.05.2025	24.05.2025	25.05.2025
Rainfall (mm)	14	10	5	5	10
Max. Temp. (°C)	29	29	28	28	28
Min.Temp. (°C)	22	22	22	22	22
Sky condition (Octas)	7	7	6	6	7
Relative humidity (%) 0830 hours	94	95	92	93	92
Relative humidity (%) 1730 hours	64	65	66	65	64
Wind Speed (kmph)	12	10	10	12	10
Wind Direction	274	266	256	246	267

Forecast Summary

As forecast received from IMD, partially cloudy sky with Moderate rainfall may be expected from 21.05.2025 to 25.05.2025 in Chamarajanagara district. The day temperature is expected to be 28-29°C & night temperature is expected 22°C. The relative humidity in the morning hours is expected to be 92-95% & afternoon relative humidity is expected to be in the range of 64-66%. Wind speed expected to be 10-12 km/ hr.

General Advisory:

- Ensure field drainage to avoid water stagnation due to expected rainfall.
- Spray fungicides to prevent fungal diseases favored by high humidity.
- Provide support to tall crops like banana and papaya against wind damage.
- Complete weeding/intercultivation during dry spells to retain soil moisture.

➢ Keep livestock shelters dry and ventilated; provide clean drinking water.

SMS Advisory:
Expect daily rain; delay irrigation, avoid pesticide spraying during rain, store fodder dry, and protect harvested produce.

Crops and Suitable Varieties for Sowing in May		
Crop Type	**Crop Name**	**Recommended Varieties**
Millets & Cereals	Ragi	Indaf-9, GPU-45, 23.2.0350-48
	Maize (Shaktiman Maize)	CSV-4, CSH-5, CSH-9
	Sweet Corn	Hema, Nityashree, MAH-14-5, MAH-14-138
	Pop Corn	Amba
	Foxtail Millet (Navane)	SIA-326
	Barnyard Millet (Haraka)	RBK-155, GPUK-3
	Little Millet (Same)	CO-2, OLM-203
	Proso Millet (Baragu)	GPUP-8, GPUP-21
	Kodo Millet (Oodalu)	DHB M-93-3
	Browntop Millet (Korale)	GPUBT-2
Pulses	Red Gram	BRG-1, 2, 3, 4, 5, ICP-7035, TTB-7, Hyderabad-3C
	Green Gram	PS-16, Pusa Baisakhi, PDM-84-178, ..30-3
	Black Gram	Karagaon-3, T-9, Rashmi (LBG-625), LBG-791 (Suraksha)
	Cowpea	TVX-944-02I, KBC-1, KBC-2, KM-9, KM-5, KC-8 (KBC-11), PGCP-6
Oilseeds	Groundnut	GKVK-5, KCG-6 (Chintamani-6), GPBD-4, ICGV-91114, JL-24, TMV-2, GKVK-27
	Soybean (Irrigated)	MAUS-2 (Pooja), Karune (vegetable type), KBS-23
	Sesame	GT-1, Navile-1 (Tunga), TMV-3, T-7, GKVK S-1
Horticultural	Fruits & Vegetables	Banana, Arecanut, Chilli, Turmeric, Potato, Ginger
Fodder Crops	Fodder Sorghum	JESET-3
	Cowpea (Fodder)	MFC-09-01, MFC -08-14, MFC -09-03
	Bajra-Napier Grass	PBN-342

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.

Recommendation to farmers		
Crop specific advisory:		
Crop	**Stage**	**Advisory**
Maize fall army worm	Tasseling 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	Fruit formation 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.
Tomato Early and late blight of tomato	Flowering	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.

Block level weather forecast (From 21-05-2025 to 25-05-2025)					
Chamarajanagara					
Parameter	**21.05.2025**	**22.05.2025**	**23.05.2025**	**24.05.2025**	**25.05.2025**
Rainfall (mm)	8.6	0.2	0.1	0.4	10.6
Max. temp (°C)	25.9	28.5	29.1	29.7	28.2
Min.Temp (°C)	19.9	20.5	20.9	20.1	20.8
Sky condition (Octas)	7	6	7	6	8
Relative humidity (%) 0830 hours	92.7	88.4	83.8	84.5	86.4
Relative humidity (%) 1730 hours	81.5	52.1	46.4	45.6	48.5
Wind Speed (kmph)	7.3	9.4	2.8	2	3.3
Wind Direction	281.3	292.6	320.2	315	276.3

Gundlupete					
Parameter	**21.05.2025**	**22.05.2025**	**23.05.2025**	**24.05.2025**	**25.05.2025**
Rainfall (mm)	14.8	0.6	0.6	2	20.8
Max. temp (°C)	25.7	27.9	28.5	29.1	27.4
Min.Temp (°C)	20.1	20.6	20.9	20.9	21.4
Sky condition (Octas)	7	6	7	6	8
Relative humidity (%) 0830 hours	90.3	86.5	81.3	81.5	84.3
Relative humidity (%) 1730 hours	81.8	55.3	47.5	48.1	51.8
Wind Speed (kmph)	18.7	16.7	10.2	12.2	20.7
Wind Direction	360	263.8	261.9	241.9	247.4

Kollegala					
Parameter	**21.05.2025**	**22.05.2025**	**23.05.2025**	**24.05.2025**	**25.05.2025**
Rainfall (mm)	16.3	0.4	0.2	0.5	6.6
Max. temp (°C)	26.9	29.9	30.7	30.8	28.9
Min.Temp (°C)	20.9	21.5	21.5	21.6	22.2
Sky condition (Octas)	7	7	7	6	8
Relative humidity (%) 0830 hours	89.8	88.2	85.1	83.2	83.6
Relative humidity (%) 1730 hours	80.9	50.5	43.2	42.8	48.4
Wind Speed (kmph)	6.5	12.6	7.1	7.4	12.3
Wind Direction	276.3	250	246	240.9	249.4

Yelandur					
Parameter	**21.05.2025**	**22.05.2025**	**23.05.2025**	**24.05.2025**	**25.05.2025**
Rainfall (mm)	22.7	0.4	0.1	0.4	8.5
Max. temp (°C)	26.9	29.9	30.7	30.8	28.9
Min.Temp (°C)	20.9	21.5	21.5	21.6	22.2
Sky condition (Octas)	7	7	7	6	8
Relative humidity (%) 0830 hours	90.8	88.6	85.4	83.6	84.4
Relative humidity (%) 1730 hours	80.9	50.5	43.2	42.8	48.4
Wind Speed (kmph)	6.5	12.6	7.1	7.4	12.3
Wind Direction	276.3	250	246	240.9	249.4

Hanur					
Parameter	**21.05.2025**	**22.05.2025**	**23.05.2025**	**24.05.2025**	**25.05.2025**
Rainfall (mm)	18.6	0.7	0.4	0.1	6.4
Max. temp (°C)	24.1	28.6	28.7	29.6	28.4
Min.Temp (°C)	19.7	20.1	20.2	20.5	20.9
Sky condition (Octas)	8	7	8	7	8
Relative humidity (%) 0830 hours	93.8	91.5	88.2	87	88.6
Relative humidity (%) 1730 hours	80.6	50	43.7	41.7	46.5
Wind Speed (kmph)	6.5	12.4	8	4.3	11.3
Wind Direction	276.3	261.6	264.8	360	260.8

- 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

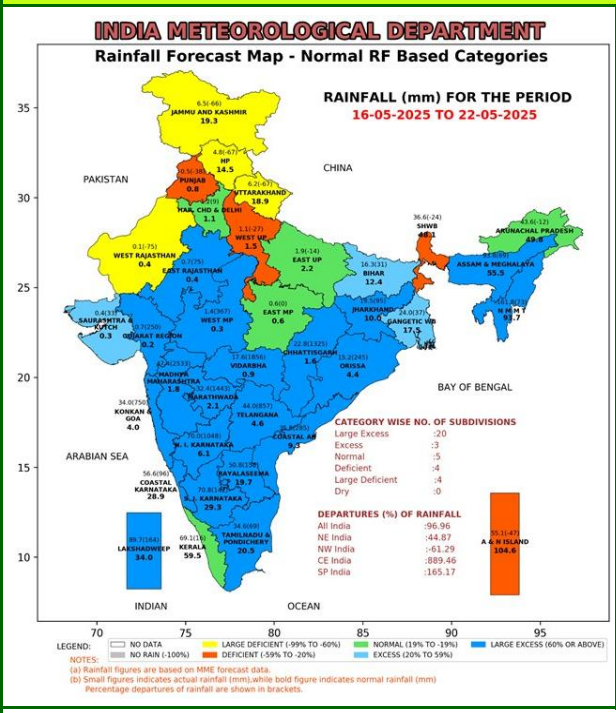
वास्तविकवर्षातथाविस्तारितअवधिपूर्वानुमान
Realized Rainfall and Extended Range Forecast
(वर्षाऔरतापमान)
(Rainfall and Temperature)

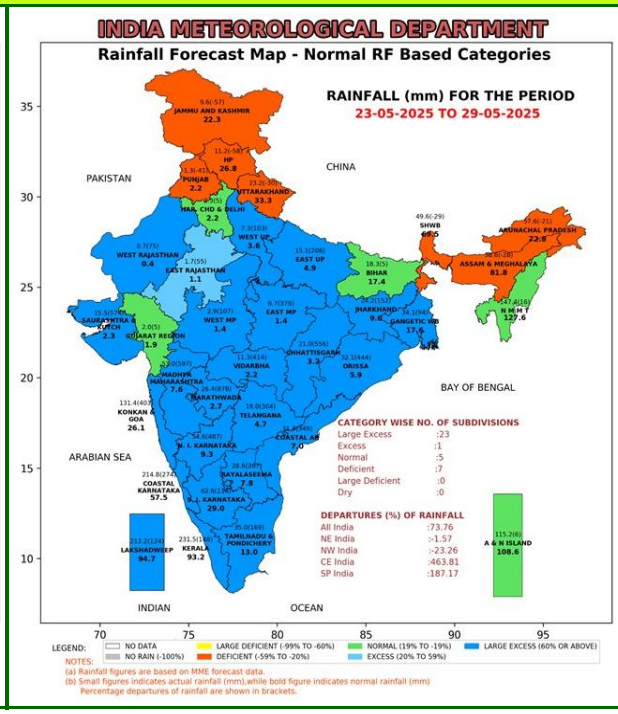
Realized Rainfall

(01st to 14th May, 2025)

Extended Range Forecast System

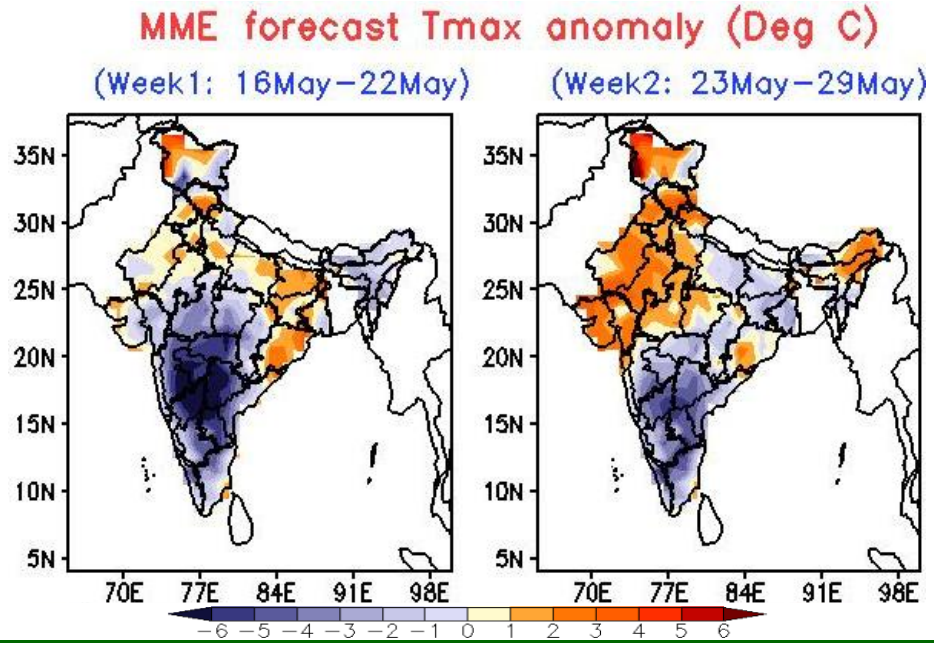
Rainfall forecast maps for the next 2 weeks (IC- 14th May,2025)
(16th to 29th May, 2025)





- **Week1(16.05.2025 to 22.05.2025):**Rainfall is likely to be above normal overSouth India, Maharashtra, Odisha and many parts of North East India.
- **Week 2 (23.05.2025 to 29.05.2025):**Rainfall is likely to be above normal over South India, Maharashtra, many parts of East India, Nagaland Manipur Mizoram & Tripura, Chhattisgarh and East Uttar Pradesh.

Maximum and Minimum temperature anomaly (°C) forecast
for the next 2 weeks (IC- 14th May,2025)
(16th to 29th May, 2025)

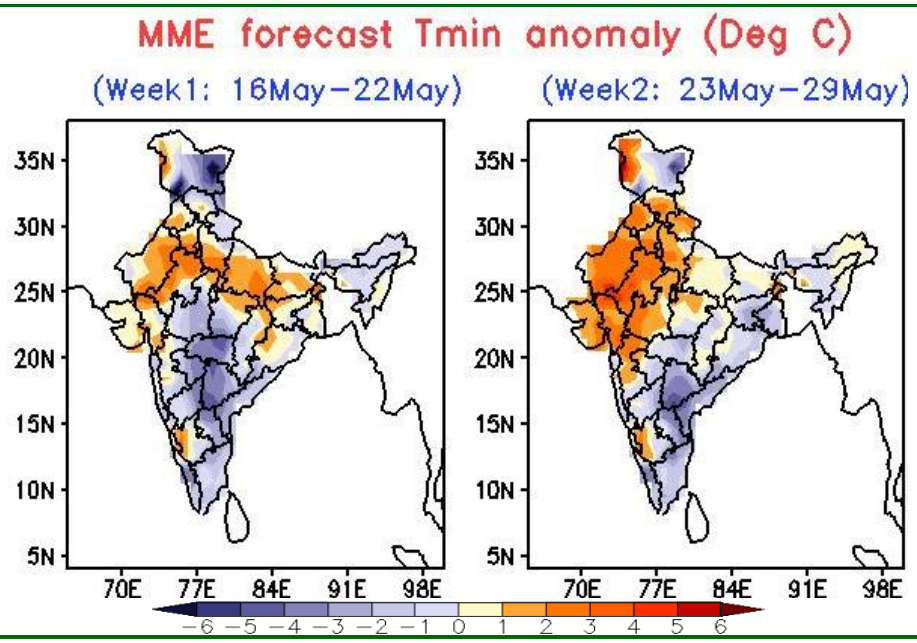


Maximum Temperature (Tmax)

- **Week 1 (16.05.2025 to 22.05.2025):** Maximum temperature is likely to above normal over many parts of North West India and East India and below normal over remaining parts of

the country.

- **Week 2 (23.05.2025 to 29.05.2025):**Maximum temperature is likely to be above normal over North West India, Gujarat, Madhya Pradesh, some parts of Odisha, Assam and Arunachal Pradesh and below normal over remaining parts of the country.



Minimum Temperature (Tmin)

- **Week 1 (16.05.2025 to 22.05.2025):** Minimum temperature is likely to be above normal over many parts of North West India, East India and some parts of Karnataka and below normal over remaining parts of the country.
- **Week 2 (23.05.2025 to 29.05.2025):** Minimum temperature is likely to be above normal over many parts of North West India, Gujarat, Madhya Maharashtra and some parts of Karnataka and below normal over remaining parts of the country.