UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT

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MYSURU – 570003

Date: 27-05-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	24.05.2025	25.05.2025	26.05.2025	27.05.2025
Rainfall (mm)	6.5	2.5	20.5	3
Max. Temp. (°C)	31.5	29.1	30	27.2
Min. Temp. (°C)	21.8	22.4	21.3	22.1
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	81	73	90	83
Relative humidity (%) 1730 hours	84	69	88	82
Wind Speed (km/h)	6.5	2.5	20.5	3
Wind Direction	31.5	29.1	30	27.2

Weather forecast for the next five days (From 28-05-2025 to 01-06-2025)

Parameter	28.05.2025	29.05.2025	30.05.2025	31.05.2025	01.06.2025
Rainfall (mm)	8	7	16	17	5
Max. Temp. (°C)	27	26	26	26	26
Min.Temp. (°C)	22	22	22	21	21
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	89	87	85	89	89
Relative humidity (%) 1730 hours	77	73	79	78	79
Wind Speed (kmph)	18	14	14	14	14
Wind Direction	259	263	263	257	259

Forecast Summary

As forecast received from IMD, partially cloudy sky with light to moderate rainfall may be expected from 28.05.2025 to 01.06.2025 in Chamarajanagara district. The day temperature is expected to be 26-27°C & night temperature is expected 21-22°C. The relative humidity in the morning hours is expected to be 85-89% & afternoon relative humidity is expected to be in the range of 73-79%. Wind speed expected to be 14-18 km/ hr.

General Advisory:

- Light to moderate rainfall is expected daily; ensure proper drainage in all crop fields to prevent water stagnation.
- Cloudy weather with high humidity may favor the development of fungal diseases in crops.
- Carry out weeding and intercultural operations during dry spells to manage weed growth

effectively.

- Monitor crops regularly for fungal diseases such as blight, mildew, and rust; apply appropriate fungicides if symptoms appear.
- Provide support to tall and fruit-bearing crops like banana, tomato, and chilli to prevent lodging due to wind and wet soil.
- Avoid harvesting during rainy days; store harvested produce in dry and well-ventilated conditions.
- Maintain clean and dry shelters for livestock; ensure adequate ventilation and provide clean drinking water.
- Keep poultry sheds dry and hygienic; monitor for disease symptoms and ensure proper litter management.
- Apply fertilizers during dry weather to avoid nutrient loss through leaching.
- Monitor crops for sucking pests like aphids and whiteflies; use recommended pest control measures if necessary.
- Maintain overall field hygiene by removing diseased plant parts and crop debris to reduce the risk of infections.

SMS Advisory:

Monsoon may weaken as the depression over West Bengal coast subsides in 3–4 days. Dry and sunny weather expected across the state in the first week of June.

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

Category	Advisory
Livestock	Provide clean and fresh drinking water regularly due to moderate temperatures. Ensure well-ventilated, dry, and shaded shelters to protect animals from humidity and mild rainfall. Monitor animals for signs of respiratory issues due to humid conditions.
Poultry	Keep poultry sheds dry and well-ventilated. Avoid overcrowding to reduce stress and disease risk during humid and rainy days. Provide clean water and balanced feed during cooler morning and evening hours. Maintain hygiene to prevent fungal and bacterial infections.

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 28-05-2025 to 01-06-2025)

Chamarajanagara

Parameter	28.05.2025	29.05.2025	30.05.2025	31.05.2025	01.06.2025
Rainfall (mm)	0.8	1.7	12.5	14.3	0.1
Max. temp (°C)	26.1	27	24.5	25.4	26.5
Min.Temp (°C)	21.5	21.5	21	20.2	21.2

Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	82	87.2	84.8	84.5	80.4
Relative humidity (%) 1730 hours	62.9	59.4	71.8	69.4	58.4
Wind Speed (kmph)	20.6	24.5	11.5	20.5	18.6
Wind Direction	265	269.2	0	272	278.9

Gundlupete					
Parameter	**28.05.2025**	**29.05.2025**	**30.05.2025**	**31.05.2025**	**01.06.2025**
Rainfall (mm)	3.4	4	21.7	31	0.8
Max. temp (°C)	24.9	25.9	23.7	24.2	26
Min.Temp (°C)	20.9	21	20.6	20	21.1
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	84.2	88.7	86.7	87.4	82.6
Relative humidity (%) 1730 hours	70.4	64.2	74.8	73.6	61.6
Wind Speed (kmph)	24	25.9	19.3	23.9	24.6
Wind Direction	253.5	256.3	256	254.3	259

Kollegala					
Parameter	**28.05.2025**	**29.05.2025**	**30.05.2025**	**31.05.2025**	**01.06.2025**
Rainfall (mm)	1.1	1.5	7.1	7	0.1
Max. temp (°C)	27	27.9	25.5	24.4	26.6
Min.Temp (°C)	22	22.2	21.9	21	21.5
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	84.2	84.8	85.1	86.2	82.8
Relative humidity (%) 1730 hours	65.8	60	73.2	72.8	63
Wind Speed (kmph)	21.2	25.2	14.6	20.3	15.3
Wind Direction	249.1	250.8	249.8	250.3	250.7

Yelandur					
Parameter	**28.05.2025**	**29.05.2025**	**30.05.2025**	**31.05.2025**	**01.06.2025**
Rainfall (mm)	1	1.2	4.7	9.4	0.2
Max. temp (°C)	26.8	27.6	25.4	24.2	26.5
Min.Temp (°C)	21.8	22	21.8	20.8	21.4
Sky condition (Octas)	7	8	8	8	8
Relative humidity (%) 0830 hours	84	85	84.9	86.4	82.4
Relative humidity (%) 1730 hours	66.4	60.5	73	72.5	62.4
Wind Speed (kmph)	20.7	25.3	14.5	19.9	15.8

Wind Direction	249.7	252.6	251.1	253.2	252.8

Hanur					
Parameter	**28.05.2025**	**29.05.2025**	**30.05.2025**	**31.05.2025**	**01.06.2025**
Rainfall (mm)	1.1	1.5	12.8	6.5	0.2
Max. temp (°C)	25.2	26.2	24.4	23.4	24.6
Min.Temp (°C)	21	21.2	20.7	20	20.2
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	84.8	85.4	84.8	87.8	86.6
Relative humidity (%) 1730 hours	69.9	62.3	70.2	73.8	64.7
Wind Speed (kmph)	20.5	25.1	18.6	22.1	19.2
Wind Direction	259.9	262.6	260	263.5	264.6

- 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

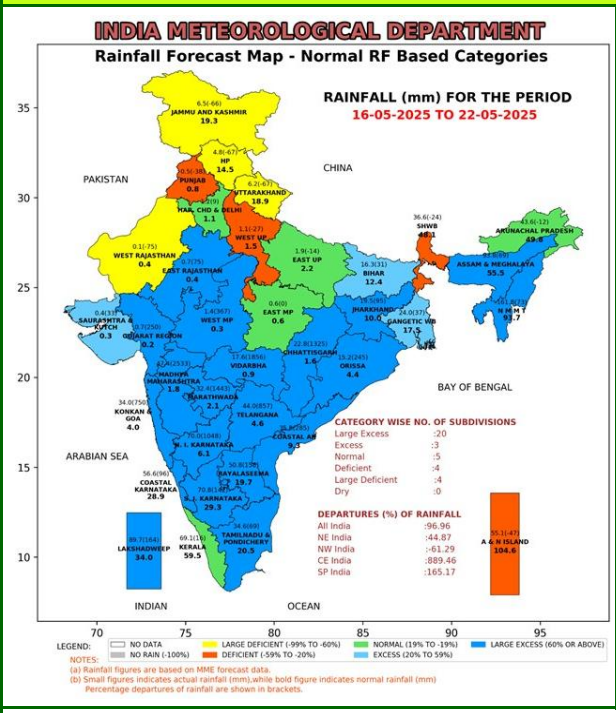
(01st to 14th May, 2025)

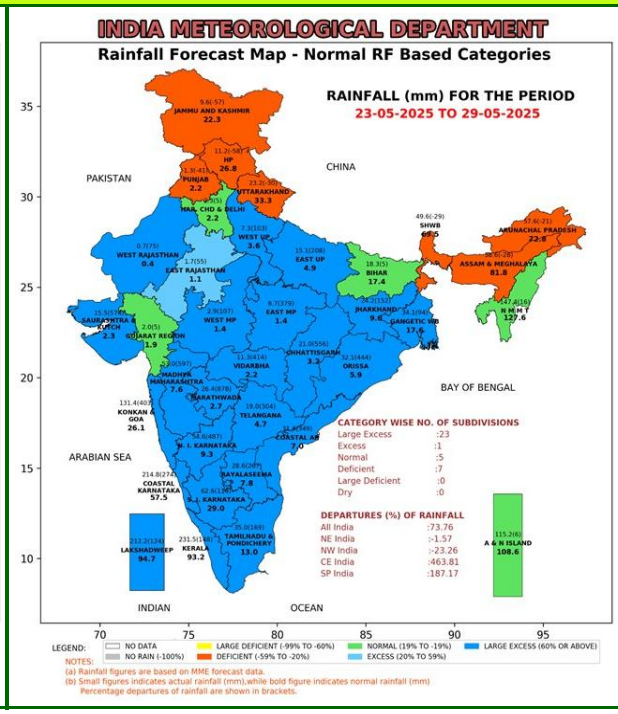

भारत मौसम विज्ञान विभाग
India Meteorological Department
जल मौसम विज्ञान प्रभाग, नई दिल्ली
Hydromet Division, New Delhi
SUBDIVISION RAINFALL MAP
Week: 01-05-2025 to 07-05-2025
ALL INDIA
Actual Normal %Dep
15.9 11.8 35%
Legend
Large Excess [60% or more]
Excess [20% to 59%]
Normal [-19% to 19%]
Deficient [-59% to -20%]
Large Deficient [-99% to -60%]
No Data
NOTES :
a) RainFall figures are based on operation data.
b) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm).
c) Percentage Departures of rainfall are shown in brackets.


भारत मौसम विज्ञान विभाग
India Meteorological Department
जल मौसम विज्ञान प्रभाग, नई दिल्ली
Hydromet Division, New Delhi
SUBDIVISION RAINFALL MAP
Week: 08-05-2025 to 14-05-2025
ALL INDIA
Actual Normal %Dep
15.6 13.0 20%
Legend
Large Excess [60% or more]
Excess [20% to 59%]
Normal [-19% to 19%]
Deficient [-59% to -20%]
Large Deficient [-99% to -60%]
No Data
NOTES :
a) RainFall figures are based on operation data.
b) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm).
c) Percentage Departures of rainfall are shown in brackets.

Extended Range Forecast System

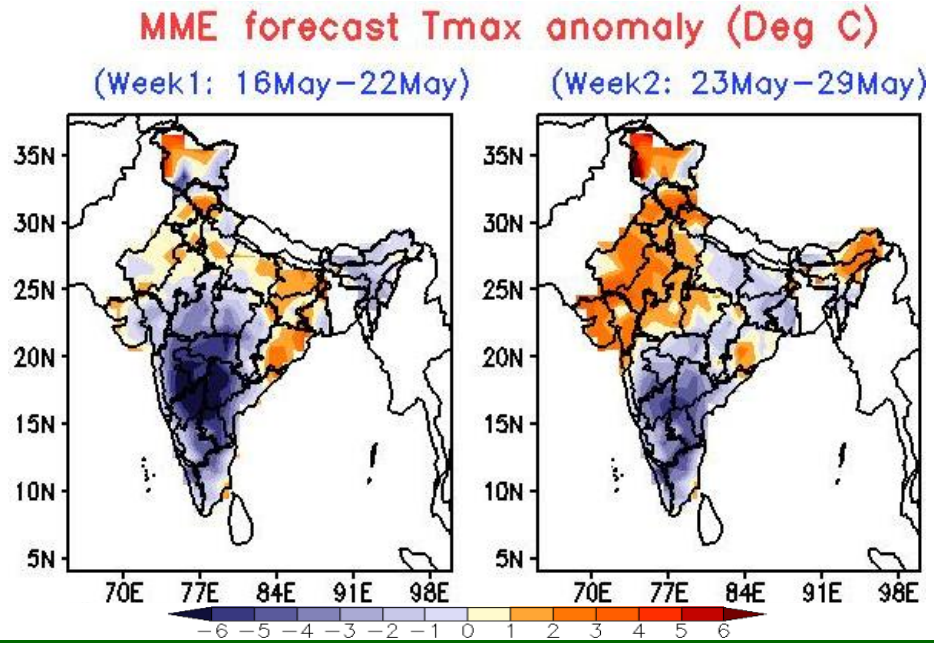
Rainfall forecast maps for the next 2 weeks (IC- 14th May,2025)
(16th to 29th May, 2025)





- **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)

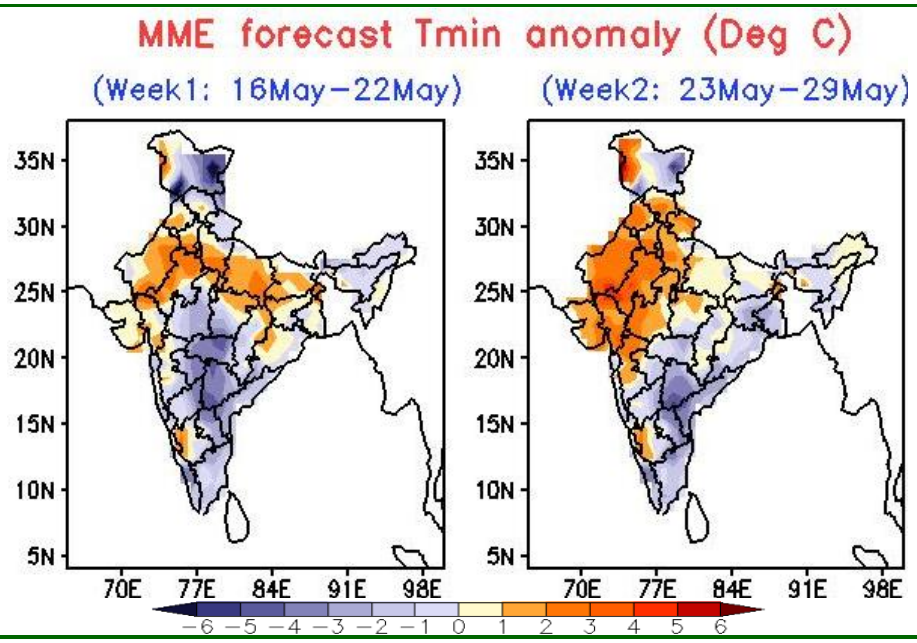


Maximum Temperature (Tmax)

- **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.