

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



**GRAMIN KRISHI MAUSAM SEWA
AMFU, OFRS, NAGANAHALLI,
MYSURU – 570003**



Date: 13-05-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	10.05.2025	11.05.2025	12.05.2025	13.05.2025
Rainfall (mm)	0	0	0	14.5
Max. Temp. (°C)	34.6	34	35.1	34.5
Min. Temp. (°C)	20.7	19.4	20.7	21.3
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	88	81	79	83
Relative humidity (%) 1730 hours	28	35	38	96
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 14-05-2025 to 18-05-2025)

Parameter	14.05.2025	15.05.2025	16.05.2025	17.05.2025	18.05.2025
Rainfall (mm)	20	20	10	8	8
Max. Temp. (°C)	35	34	34	33	33
Min.Temp. (°C)	21	21	21	21	21
Sky condition (Octas)	5	5	6	6	6
Relative humidity (%) 0830 hours	83	87	86	87	88
Relative humidity (%) 1730 hours	62	63	62	63	62
Wind Speed (kmph)	14	14	14	14	12
Wind Direction	293	287	283	279	279

Forecast Summary

As forecast received from IMD, partially cloudy sky with **Moderate rainfall** may be expected from 14.05.2025 to 18.05.2025 in Chamarajanagara district. The day temperature is expected to be 33-35°C & night temperature is expected 21°C. The relative humidity in the morning hours is expected to be 83-88% & afternoon relative humidity is expected to be in the range of 62-63%. Wind speed expected to be 12-14 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.
--	--

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 14-05-2025 to 18-05-2025)					
Chamarajanagara					
Parameter	14.05.2025	15.05.2025	16.05.2025	17.05.2025	18.05.2025
Rainfall (mm)	9.8	16.4	12.5	8.3	7.2
Max. temp (°C)	31.5	31.6	31.7	30.4	30.7
Min.Temp (°C)	21.6	21.4	21.9	21.4	21
Sky condition (Octas)	6	7	8	8	8
Relative humidity (%) 0830 hours	85.1	88.4	86.9	88.5	91.8

Relative humidity (%) 1730 hours	43	44	42.4	47.3	44.5
Wind Speed (kmph)	3.9	5.4	5.4	5	5.8
Wind Direction	291.8	273.8	273.8	230	266.4

Gundlupete

Parameter	14.05.2025	15.05.2025	16.05.2025	17.05.2025	18.05.2025
Rainfall (mm)	2.9	11.2	3.5	2.9	4
Max. temp (°C)	31	31.5	30.7	30.2	30.4
Min.Temp (°C)	21.2	21.1	21.6	21.2	21.2
Sky condition (Octas)	5	7	8	8	8
Relative humidity (%) 0830 hours	84.3	87.3	86	83.8	84.2
Relative humidity (%) 1730 hours	44.6	43.1	46.8	48.5	43.6
Wind Speed (kmph)	2.6	5.7	5.8	6.5	5.8
Wind Direction	254	288.4	230	263.7	273.6

Kollegala

Parameter	14.05.2025	15.05.2025	16.05.2025	17.05.2025	18.05.2025
Rainfall (mm)	1.4	1.9	0.8	5.1	2.4
Max. temp (°C)	33.2	33.8	33.5	33.6	33.2
Min.Temp (°C)	21.9	21.9	22	22.1	22.4
Sky condition (Octas)	5	6	5	4	6
Relative humidity (%) 0830 hours	84.1	83.9	85.5	85.9	83.6
Relative humidity (%) 1730 hours	40.4	41.9	38.5	40.9	42.8
Wind Speed (kmph)	3.6	4	6.3	5.8	6.3
Wind Direction	230	264.8	256.8	277.1	246.4

Yelandur

Parameter	14.05.2025	15.05.2025	16.05.2025	17.05.2025	18.05.2025
Rainfall (mm)	6	12.8	7.4	6.1	5.5
Max. temp (°C)	32.7	32.6	32.7	31.8	31.8
Min.Temp (°C)	22.4	22.1	22.8	22.4	21.8
Sky condition (Octas)	5	7	8	8	8
Relative humidity (%) 0830 hours	85.2	87.9	86.5	86.8	88.1
Relative humidity (%) 1730 hours	40.6	42.2	41.8	45.9	42.7
Wind Speed (kmph)	2.2	4.3	4.1	4.4	3.9
Wind Direction	260.5	265.2	254.7	260.5	248.2

Hanur

Parameter	14.05.2025	15.05.2025	16.05.2025	17.05.2025	18.05.2025
Rainfall (mm)	9.8	16.4	12.5	8.3	7.2
Max. temp (°C)	31.5	31.6	31.7	30.4	30.7
Min.Temp (°C)	21.6	21.4	21.9	21.4	21
Sky condition (Octas)	6	7	8	8	8
Relative humidity (%) 0830 hours	85.1	88.4	86.9	88.5	91.8
Relative humidity (%) 1730 hours	43	44	42.4	47.3	44.5
Wind Speed (kmph)	3.9	5.4	5.4	5	5.8
Wind Direction	291.8	273.8	273.8	230	266.4

- 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

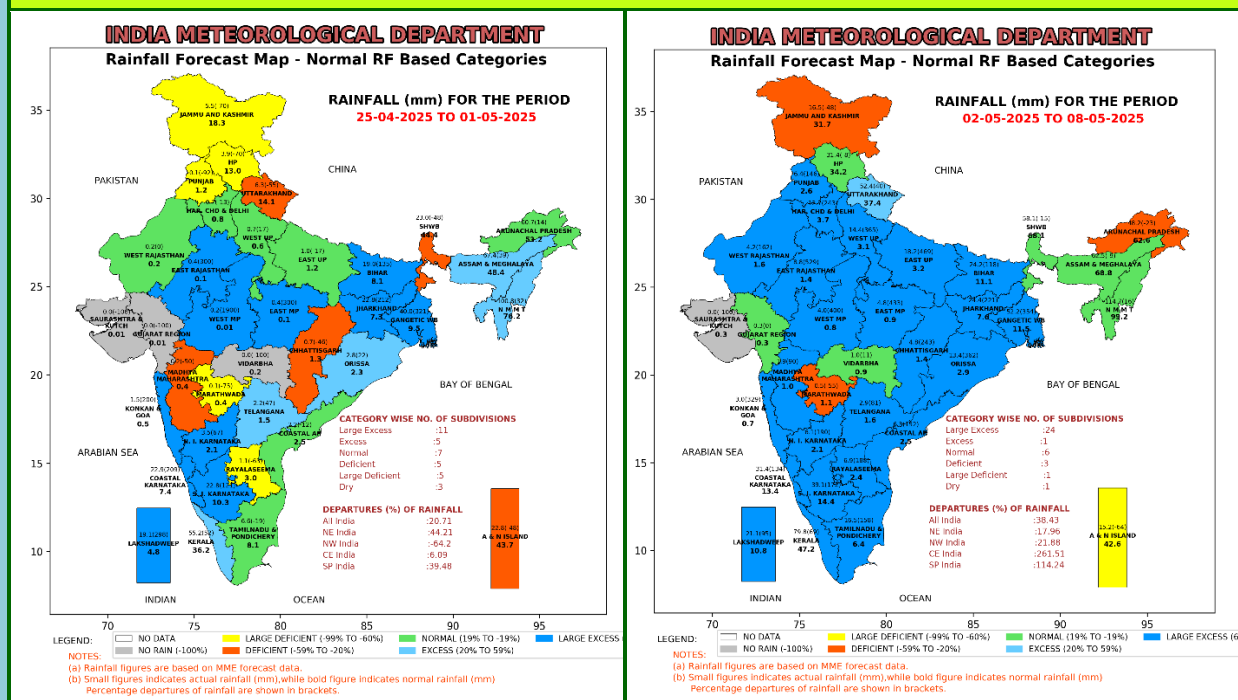
वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
(वर्षा और तापमान)
(Rainfall and Temperature)

Realized Rainfall
(10th to 23rd April, 2025)



Extended Range Forecast System

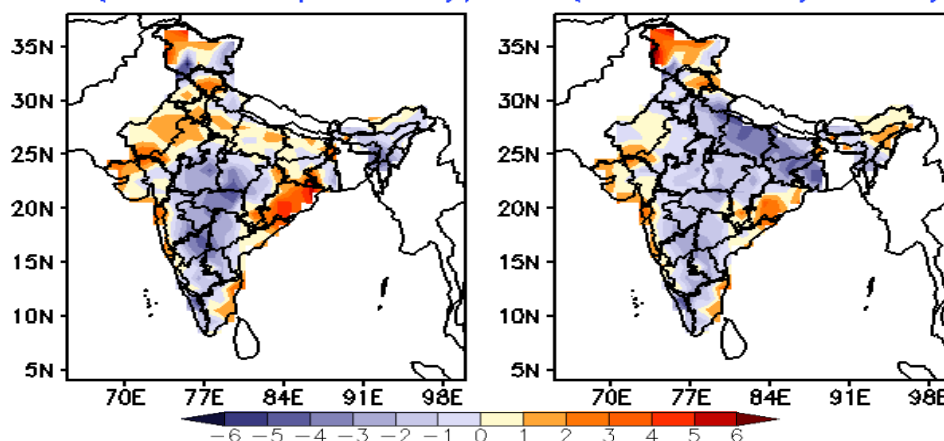
Rainfall forecast maps for the next 2 weeks (IC- 23rd April,2025) (25th April to 08th May, 2025)



- Week1(25.04.2025 to 01.05.2025):** Rainfall is likely to be above normal in Kerala, South Karnataka, Northeast India, Gangetic West Bengal, Jharkhand and Bihar. Rainfall activity is likely over some parts of Tamil Nadu, Uttarakhand, Himachal Pradesh and Jammu & Kashmir.
- Week 2 (02.05.2025 to 08.05.2025):** Rainfall is likely to be above normal over many parts of Northwest India, East India, Kerala, Tamil Nadu and Karnataka. Rainfall activity is likely over many parts of Northeast India.

**Maximum and Minimum temperature anomaly (°C) forecast
for the next 2 weeks (IC- 23rd April,2025)
(25th April to 08th May, 2025)**

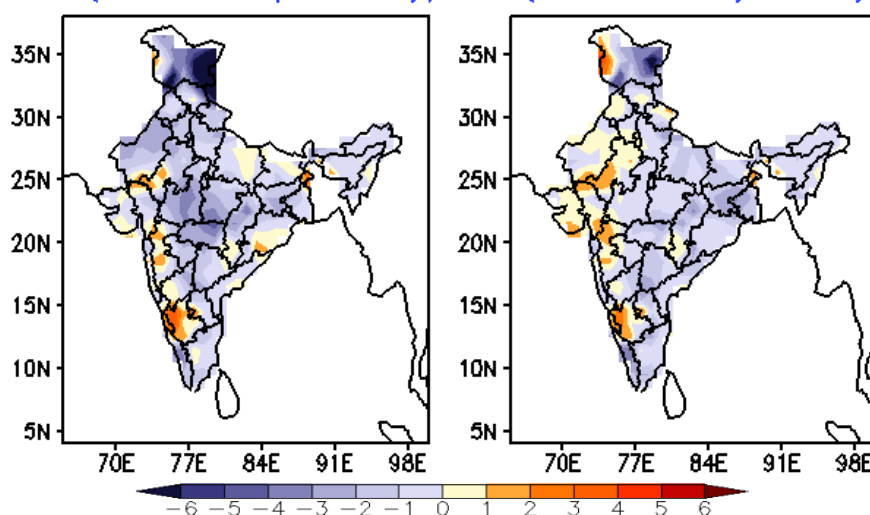
MME forecast Tmax anomaly (Deg C)
(Week1: 25Apr-01May) (Week2: 02May-08May)



Maximum Temperature (Tmax)

- **Week 1 (25.04.2025 to 01.05.2025):** Maximum temperature is likely to be above normal over North West India, Gujarat, Konkan-Goa, Odisha and coastal regions of Tamil Nadu. However, it is likely to be below normal over rest of the country.
- **Week 2 (02.05.2025 to 08.05.2025):** Maximum temperature is likely to be below normal over most parts of the country. However, it is likely to be above normal over Konkan-Goa, Gujarat, West Rajasthan, Jammu & Kashmir, Himachal Pradesh, coastal regions of Tamil Nadu and some parts of Odisha and Assam.

MME forecast Tmin anomaly (Deg C)
(Week1: 25Apr-01May) (Week2: 02May-08May)



Minimum Temperature (Tmin)

- **Week 1 (25.04.2025 to 01.05.2025):** Minimum temperature is likely to be below normal over most parts of the country. However, it is likely to be above normal over Karnataka.
- **Week 2 (02.05.2025 to 08.05.2025):** Minimum temperature is likely to be below normal over many parts of the country. However, it is likely to be above normal over Rajasthan, Gujarat, Madhya Maharashtra and Karnataka.