

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



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MYSURU – 570003**



**Date: 17-04-2025**

**AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT**

**Issued jointly by, UAS, Bengaluru & Indian Meteorological Department**

**Past Weather Data**

<b>Parameter</b>	<b>14.04.2025</b>	<b>15.04.2025</b>	<b>16.04.2025</b>	<b>17.04.2025</b>
<b>Rainfall (mm)</b>	-	0	0	0
<b>Max. Temp. (°C)</b>	-	33.5	33.5	36.2
<b>Min. Temp. (°C)</b>	-	21.1	20.7	26.5
<b>Sky condition (Octas)</b>	-	-	-	5
<b>Relative humidity (%) 0830 hours</b>	-	86	95	81
<b>Relative humidity (%) 1730 hours</b>	-	55	36	66
<b>Wind Speed (km/h)</b>	-	-	-	0
<b>Wind Direction</b>	-	-	-	0

**Weather forecast for the next five days (From 18-04-2025 to 22-04-2025)**

<b>Parameter</b>	<b>18.04.2025</b>	<b>19.04.2025</b>	<b>20.04.2025</b>	<b>21.04.2025</b>	<b>22.04.2025</b>
<b>Rainfall (mm)</b>	5	4	3	15	5
<b>Max. Temp. (°C)</b>	34	34	34	34	34
<b>Min.Temp. (°C)</b>	22	22	22	21	21
<b>Sky condition (Octas)</b>	4	5	5	4	3
<b>Relative humidity (%) 0830 hours</b>	79	85	82	82	77
<b>Relative humidity (%) 1730 hours</b>	35	38	41	35	31
<b>Wind Speed (kmph)</b>	12	10	8	12	12
<b>Wind Direction</b>	243	230	288	307	236

**Forecast Summary**

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 18.04.2025 to 22.04.2025 in Chamarajanagara district. The day temperature is expected to be 34°C & night temperature is expected 21-22°C. The relative humidity in the morning hours is expected to be 77-85% & afternoon relative humidity is expected to be in the range of 31-41%. Wind speed expected to be 8-12 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
<b>Paddy</b>	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.
<b>Maize</b>	Tasseling stage	Ensure adequate soil moisture during tasseling—most critical stage. Light irrigation needed if rain is insufficient. Avoid spraying during tasseling.
<b>Finger millet</b>	Vegetative stage	Favorable for vegetative growth. Intercultural operations can be done. Apply nitrogen top dressing after rains.
<b>Tomato</b>	Flowering	Avoid water stagnation. Stake plants to prevent lodging. Spray <b>borax (0.2%)</b> to prevent flower drop. Monitor for thrips and leaf curl virus.
<b>Chilli</b>	Fruit formation stage	Ensure good drainage. Apply potassium-rich fertilizers for fruit setting. Monitor for sucking pests and fruit rot after rains.
<b>Banana</b>	Fruit development stage	Support plants to prevent lodging due to wind. Maintain basin cleanliness. Apply potash and micronutrients if not done.
<b>Black gram, Green gram and cowpea</b>	Sowing	Rains are favorable for sowing. Choose well-drained fields. Avoid sowing just before the 21st (moderate rain) to prevent seed rotting.
<b>Sugarcane</b>	Vegetative	Light rain is good. Carry out earthing-up if not done. Top-dressing of nitrogen after rainfall is beneficial. Control early shoot borer.
<b>Mango</b>	Fruit development stage	Light rain is favorable. Ensure fruit fly traps are installed. Spray <b>potassium nitrate (1%)</b> for fruit development and to prevent spongy tissue.
<b>Vegetable crops</b>	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
<b>Livestock</b>	Ensure clean, shaded, and well-ventilated shelters to prevent heat and humidity stress. Provide <b>plenty of clean drinking water</b> . Use fans if possible. Avoid grazing during <b>midday heat</b> . Supplement with <b>mineral mixture and salt licks</b> to maintain animal health. Regularly check hooves and shelter hygiene due to increased moisture.
<b>Poultry</b>	Maintain proper cross-ventilation and ensure adequate space in sheds to avoid crowding. <b>Sprinkle water</b> around sheds to reduce temperature. Provide <b>cool, clean water with electrolytes</b> . Feed birds during <b>early morning and evening</b> . Ensure <b>dry bedding</b> to prevent fungal issues due to humidity.
<b>Sericulture</b>	Maintain optimal rearing room temperature (26–28°C) and humidity (75–80%) through <b>humidifiers or water sprinkling</b> . Avoid overcrowding of worms. Provide <b>well-moistened mulberry leaves</b> , and protect mulberry gardens from rain damage.

	using proper drainage and partial shade. Monitor for fungal diseases due to changing humidity.
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Recommendation to farmers		
Crop specific advisory:		
Crop	Stage	Advisory
Maize fall army worm	Tasseling stage	<ul style="list-style-type: none"> <li>✓ Handpick and destroy egg masses and larvae.</li> <li>✓ Use predators like <i>Trichogramma pretiosum</i> or parasitoids like <i>Telenomus remus</i>.</li> <li>✓ Apply <i>Metarhizium anisopliae</i> or <i>Beauveria bassiana</i>.</li> <li>✓ Spray Chlorantraniliprole 18.5% SC @ 0.4 ml/l or Emamectin benzoate 5% SG @ 0.4 g/l. Avoid excessive nitrogen application.</li> </ul>
Coconut rugose whitefly	Vegetative stage	<ul style="list-style-type: none"> <li>✓ Prune and burn infested leaves.</li> <li>✓ Release <i>Encarsia guadeloupae</i> parasitoids. Conserve natural predators like ladybird beetles (<i>Cryptolaemus montrouzieri</i>).</li> <li>✓ Spray Neem oil 1% or use Acephate 75 SP @ 1 g/l as a spot application if infestation is severe.</li> </ul>
Chilli leaf curl virus	Fruit formation stage	<ul style="list-style-type: none"> <li>✓ Use virus-free seeds and resistant varieties. Maintain proper spacing and avoid overlapping.</li> <li>✓ Remove and destroy infected plants. Use yellow sticky traps to monitor whitefly populations.</li> <li>✓ Spray Imidacloprid 17.8% SL @ 0.5 ml/l or Thiamethoxam 25 WG @ 0.3 g/l.</li> </ul>
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 18-04-2025 to 22-04-2025)					
Chamarajanagara					
Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	3	7.3	8.5	1.9	0.3
Max. temp (°C)	32.7	32.7	33.5	34	34.6
Min.Temp (°C)	22.2	22.2	22.5	22.5	22.6
Sky condition (Octas)	3	5	5	4	3
Relative humidity (%) 0830 hours	80.6	85.8	83.4	81.6	75.8

<b>Relative humidity (%) 1730 hours</b>	38.3	42	44.2	39.2	33.7
<b>Wind Speed (kmph)</b>	1.5	2.9	4.6	5.2	1.4
<b>Wind Direction</b>	284	299.8	321.4	326.3	0

<b>Gundlupete</b>					
<b>Parameter</b>	<b>18.04.2025</b>	<b>19.04.2025</b>	<b>20.04.2025</b>	<b>21.04.2025</b>	<b>22.04.2025</b>
<b>Rainfall (mm)</b>	2.1	2.4	3.8	2.2	0.4
<b>Max. temp (°C)</b>	32.6	32.7	33.2	33.9	34.7
<b>Min.Temp (°C)</b>	21.9	22	22.4	22.2	22
<b>Sky condition (Octas)</b>	3	5	5	4	3
<b>Relative humidity (%) 0830 hours</b>	75.9	83.3	80.9	84.9	78.9
<b>Relative humidity (%) 1730 hours</b>	36.8	40.4	44.7	41.6	37.1
<b>Wind Speed (kmph)</b>	3.9	4.7	5.8	3.8	4.6
<b>Wind Direction</b>	248.2	261.2	273.6	286.7	225

<b>Kollegala</b>					
<b>Parameter</b>	<b>18.04.2025</b>	<b>19.04.2025</b>	<b>20.04.2025</b>	<b>21.04.2025</b>	<b>22.04.2025</b>
<b>Rainfall (mm)</b>	2.4	4.7	5.5	2.3	0.7
<b>Max. temp (°C)</b>	34.4	34.7	34.9	35.4	36.4
<b>Min.Temp (°C)</b>	23.2	22.9	23.1	23.2	23.4
<b>Sky condition (Octas)</b>	4	5	5	4	4
<b>Relative humidity (%) 0830 hours</b>	79.5	85.4	81.4	84.8	80.2
<b>Relative humidity (%) 1730 hours</b>	30.1	34.7	36.5	31.6	27
<b>Wind Speed (kmph)</b>	3.5	5.8	5.2	4.7	4.9
<b>Wind Direction</b>	246	262.9	286	292.6	234

<b>Yelandur</b>					
<b>Parameter</b>	<b>18.04.2025</b>	<b>19.04.2025</b>	<b>20.04.2025</b>	<b>21.04.2025</b>	<b>22.04.2025</b>
<b>Rainfall (mm)</b>	2.3	5.2	7	2.3	1.1
<b>Max. temp (°C)</b>	34.1	34.4	34.7	35.1	36.1
<b>Min.Temp (°C)</b>	23	22.7	22.9	23	23.1
<b>Sky condition (Octas)</b>	4	5	5	4	3
<b>Relative humidity (%) 0830 hours</b>	78.9	86.1	81.4	83.1	76.8
<b>Relative humidity (%) 1730 hours</b>	32	36.4	39.4	33.8	29
<b>Wind Speed (kmph)</b>	2.9	4.7	4.3	4.2	4.1
<b>Wind Direction</b>	240.2	265.6	294.5	301	232.1

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Parameter	18.04.2025	19.04.2025	20.04.2025	21.04.2025	22.04.2025
Rainfall (mm)	2.1	5.7	6.2	2.8	1.9
Max. temp (°C)	33.1	33.4	33.9	34.5	34.9
Min.Temp (°C)	22.5	22	22.2	22.2	22.2
Sky condition (Octas)	4	5	5	4	4
Relative humidity (%) 0830 hours	77.9	88.3	83.8	82.6	78.9
Relative humidity (%) 1730 hours	33.6	37.4	39.1	33	29.6
Wind Speed (kmph)	2.6	3.6	4.8	4.2	3.2
Wind Direction	236.3	275.7	283	301	243.4

- 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](http://mausam.imd.gov.in)

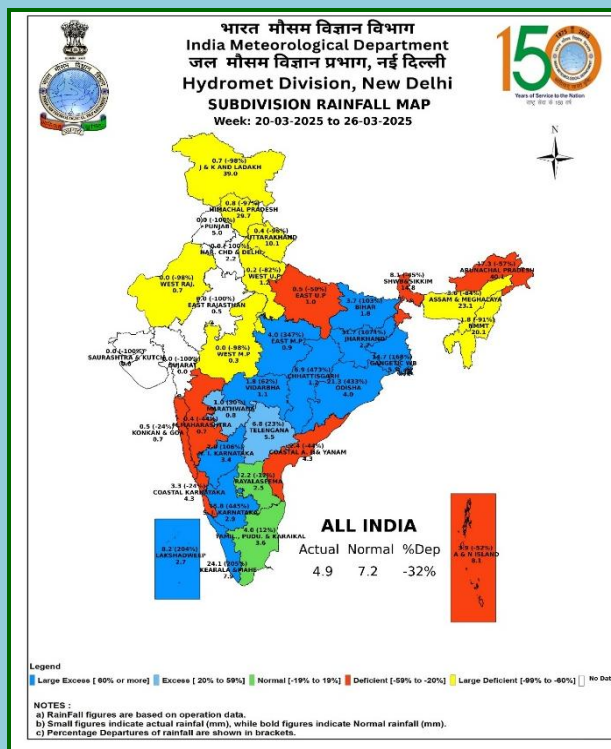
For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/  
**Dr. Sumanth Kumar.G.V**, Technical officer over phone No. 0821-259126/ 9535345814.

**AMFU of IMD,  
Naganahalli, Mysuru**

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

### Realized Rainfall

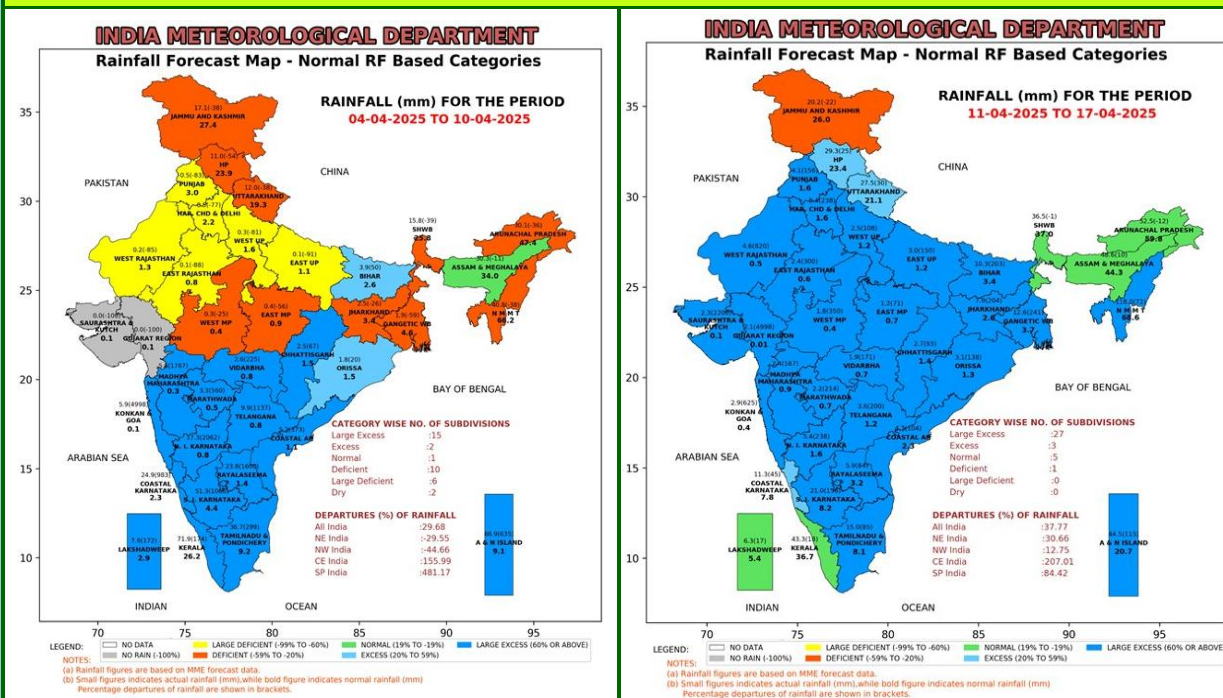
(20<sup>th</sup> March to 02<sup>nd</sup> April, 2025)





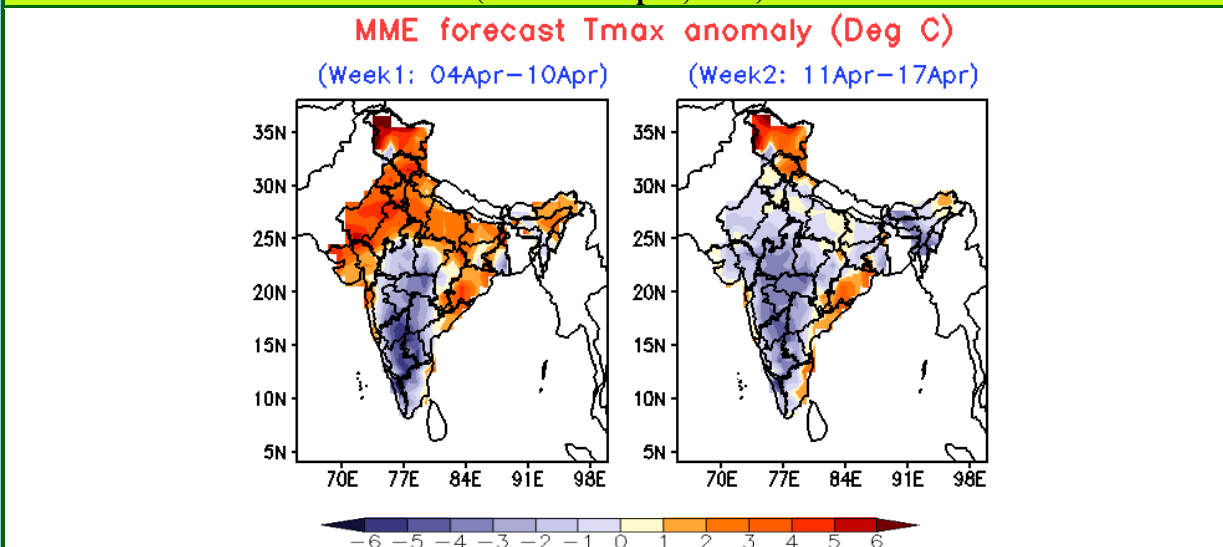
## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC- 02<sup>nd</sup> April,2025) (04<sup>th</sup> to 17<sup>th</sup> April, 2025)



- Week1(04.04.2025 to 10.04.2025):** Rainfall is likely to be above normal over 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 normal over 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- 02<sup>nd</sup> April,2025) (04<sup>th</sup> to 17<sup>th</sup> April, 2025)

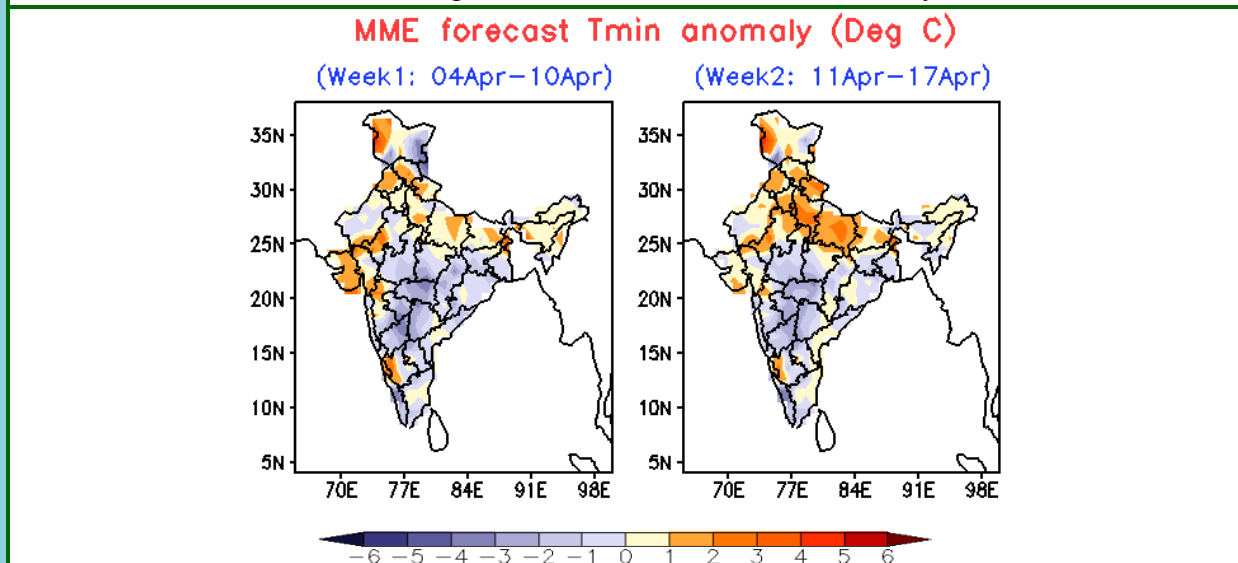


### Maximum Temperature (Tmax)

- 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 and Karnataka.
- **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.