

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



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



Date: 18-02-2025

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	15.02.2025	16.02.2025	17.02.2025	18.02.2025
Rainfall (mm)	0	0	0	0
Max. Temp. (°C)	34.5	33.3	33.6	35.5
Min. Temp. (°C)	13.2	13.4	13.9	14.7
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	75	78	80	85
Relative humidity (%) 1730 hours	-	-	21	16
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 19-02-2025 to 23-02-2025)

Parameter	19.02.2025	20.02.2025	21.02.2025	22.02.2025	23.02.2025
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	32.6	33.2	33.2	33	32.8
Min. Temp. (°C)	17	17.6	18	17.7	17.6
Sky condition (Octas)	75	74	77	79	72
Relative humidity (%) 0830 hours	23	25	32	23	28
Relative humidity (%) 1730 hours	2	0	0	1	2
Wind Speed (kmph)	3.7	3.7	4.3	4.7	4.6
Wind Direction	169	169	156	148	162

Forecast Summary

As forecast received from IMD, partially cloudy sky with **no rainfall** may be expected from 19.02.2025 to 23.02.2025 in Chamarajanagara district. The day temperature is expected to be 32.6-33.2 °C & night temperature is expected 17-18°C. The relative humidity in the morning hours is expected to be 72% to 79% & afternoon relative humidity is expected to be in the range of 23-32 %. Wind speed expected to be 3.7-4.7 km/ hr.

SMS Advisory

A forecasted temperature for the next five days is 34-35°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. Ventilation in polyhouses and shaded structures for horticultural crops will help

minimize heat-related damage.

Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
<ul style="list-style-type: none"> • No rainfall for the next 5 days will increase soil moisture loss, so 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	Harvest stage	No rainfall; harvest mature paddy crops, ensure proper drying to 12-14% moisture before storage. Protect harvested grains from stored pests.
Maize	Vegetative stage	No rainfall; irrigate flowering crops to avoid moisture stress. Harvest mature cobs and dry them properly to maintain quality.
Tomato	Vegetative stage	No rainfall; provide irrigation at regular intervals. Mulching can help retain soil moisture and reduce temperature stress.
Cabbage, Cauliflower	Head formation stage	No rainfall; maintain moisture in the root zone through irrigation. Protect against aphids and diamondback moths due to dry conditions.
Bean, Field Bean	Pod formation stage	No rainfall; provide supplemental irrigation to avoid pod shrinkage. Mulching is recommended to retain soil moisture.
Chilli	Vegetative stage	No rainfall; irrigate regularly, especially for fruit development. Monitor for thrips and mites which increase in dry conditions.
Banana	Fruit development stage	No rainfall; irrigate at least twice a week. Use organic mulches to maintain soil moisture. Provide mechanical support to prevent lodging due to dry winds.
Vegetable crops	Various stages	No rainfall; apply light irrigation based on crop needs. Regularly check for pest outbreaks due to dry weather conditions. Use organic mulches for moisture conservation.

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.

Livestock specific advisory	
Category	Advisory
Livestock	Provide dry bedding, avoid exposure to morning cold, and ensure good ventilation in sheds. Offer slightly warm drinking water during mornings and evenings. Maintain cleanliness, use fly traps or repellents. Monitor for respiratory issues; increase energy-rich feed.
Poultry	Cover sheds at night, provide warm drinking water, and use brooders for chicks. Ensure good air circulation but block cold drafts. Add energy supplements (e.g., maize) to feed. Remove litter regularly and use approved fly traps or sprays.

Recommendation to farmers		
Crop specific advisory:		
Crop	Stage	Advisory
Maize fall army worm	Vegetative 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	Vegetative 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.
Cabbage diamond back moth	Head stage	<ul style="list-style-type: none"> • 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 . • Birdpurchases 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)Propiconazole 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 19-02-2025 to 23-02-2025)

Chamarajanagara

Parameter	19.02.2025	20.02.2025	21.02.2025	22.02.2025	23.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.7	33.2	33.2	33	32.9
Min.Temp (°C)	17.1	17.5	18.1	17.9	17.8
Sky condition (Octas)	76.7	75.1	80.4	83.4	79.3
Relative humidity (%) 0830 hours	24.6	28.6	35.9	25.4	32.7
Relative humidity (%) 1730 hours	2	0	0	1	2
Wind Speed (kmph)	5.6	6.3	7.4	8.2	8.2
Wind Direction	153.5	149.1	140.9	142.2	151.2

Gundlupete

Parameter	19.02.2025	20.02.2025	21.02.2025	22.02.2025	23.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32.4	33	33	32.9	32.6
Min.Temp (°C)	16.7	17.2	17.8	17.5	17.5
Sky condition (Octas)	75.3	72.5	73.1	77.1	76.2
Relative humidity (%) 0830 hours	24.3	30.2	37.3	26	31.7
Relative humidity (%) 1730 hours	2	0	0	1	3
Wind Speed (kmph)	4.7	4.3	5	5.8	4.7
Wind Direction	90	175.3	159	150.3	171.3

Kollegala

Parameter	19.02.2025	20.02.2025	21.02.2025	22.02.2025	23.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	33.7	34.5	34.5	34.2	33.9
Min.Temp (°C)	17.5	18.2	18.6	18.5	18.2
Sky condition (Octas)	70.6	70	74.3	75.6	66.1
Relative humidity (%) 0830 hours	20	22.4	27.4	21.1	26
Relative humidity (%) 1730 hours	2	0	0	1	2
Wind Speed (kmph)	4.2	4.2	4.6	4.3	4.4
Wind Direction	160.1	160.1	141.4	131.7	145

Yelandur

Parameter	19.02.2025	20.02.2025	21.02.2025	22.02.2025	23.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	33.6	34.2	34.2	34	33.7
Min.Temp (°C)	17.4	18.1	18.6	18.2	18.1
Sky condition (Octas)	73.4	71.4	77.5	79.1	71.6
Relative humidity (%) 0830 hours	21.6	23.8	30.4	22.1	28.6
Relative humidity (%) 1730 hours	2	0	0	1	2
Wind Speed (kmph)	4.7	4.6	4.9	4.8	5
Wind Direction	157.4	161.6	144	138	149.8

Hanur

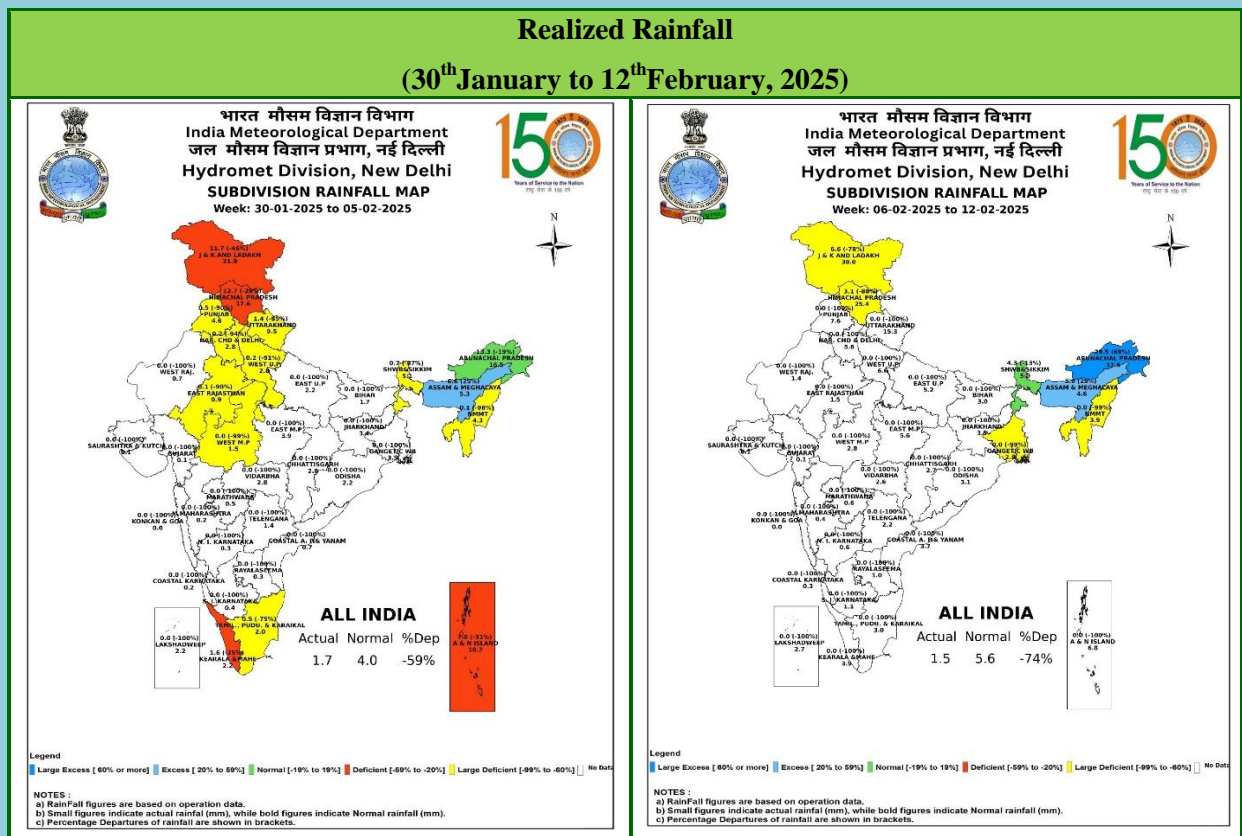
Parameter	19.02.2025	20.02.2025	21.02.2025	22.02.2025	23.02.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	32	32.9	32.8	32.4	32.2
Min.Temp (°C)	17.2	17.8	18.1	17.6	17.6
Sky condition (Octas)	74	73	79.3	81.8	70.4
Relative humidity (%) 0830 hours	21.3	23.4	31.2	22.5	27.1
Relative humidity (%) 1730 hours	2	0	0	1	2
Wind Speed (kmph)	4	4.4	4.9	4.8	5
Wind Direction	169.7	170.6	162.9	153.5	159

- 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.

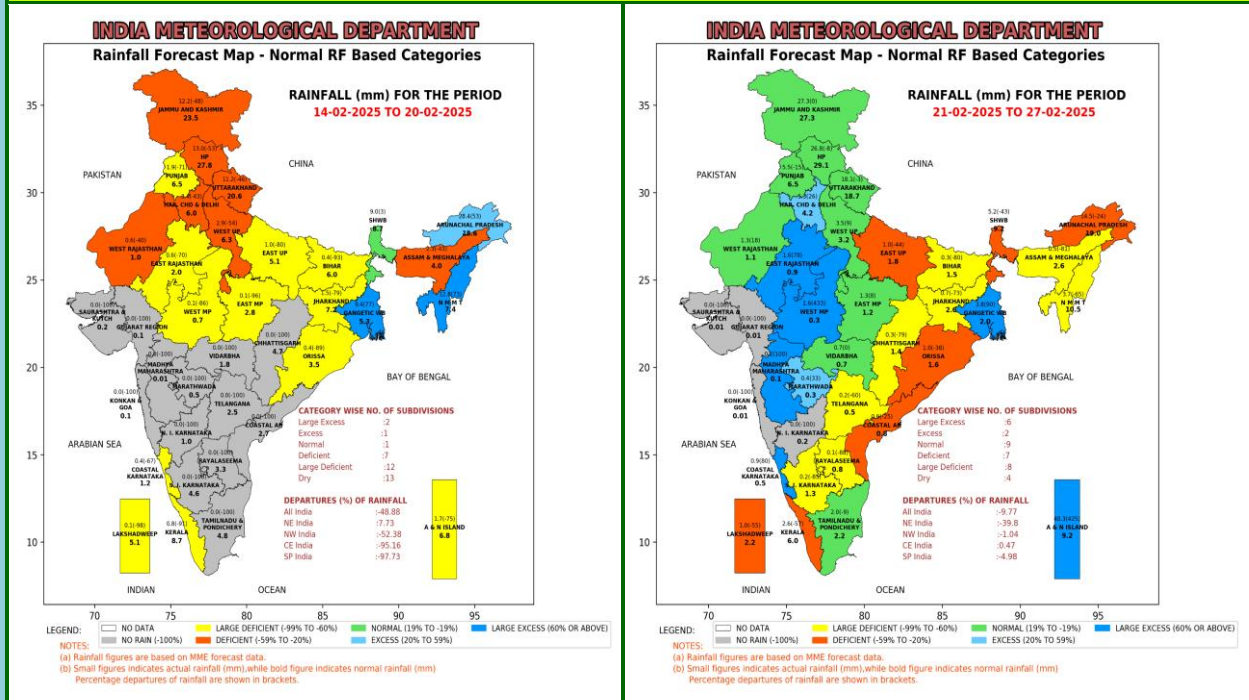
AMFU of IMD,
Naganahalli, Mysuru

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



Extended Range Forecast System

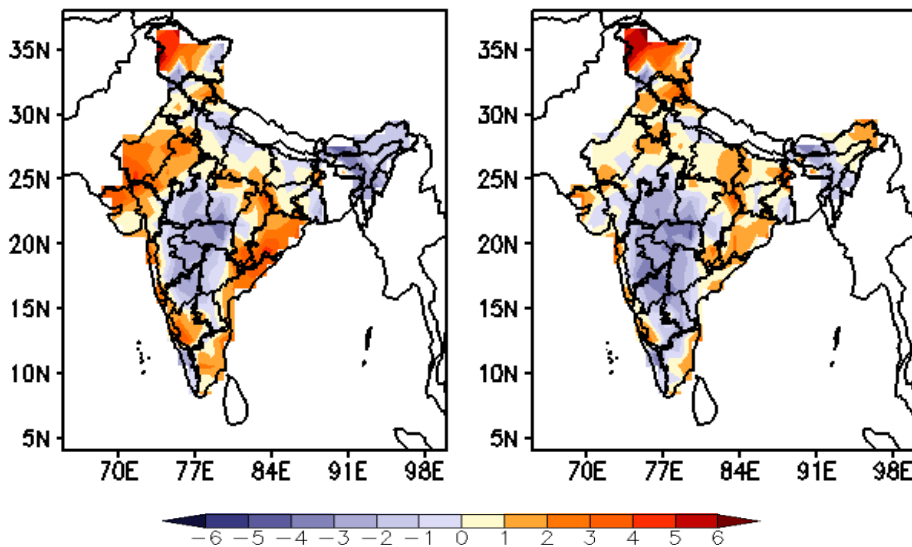
Rainfall forecast maps for the next 2 weeks (IC- 12thFebruary,2025) (14thto 27thFebruary, 2025)



- **Week1(14.02.2025 to 20.02.2025):**Rainfall is likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Arunachal Pradesh, Nagaland Manipur Mizoram & Tripura and Gangetic West Bengal.
- **Week 2 (21.02.2025 to 27.02.2025):**Rainfall is likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Arunachal Pradesh.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 12thFebruary,2025) (14thto 27th February, 2025)

MME forecast Tmax anomaly (Deg C) (Week1: 14Feb-20Feb) (Week2: 21Feb-27Feb)



Maximum Temperature (Tmax)

- **Week 1 (14.02.2025 to 20.02.2025):** Maximum temperature is likely to be above normal over Odisha, Gujarat, many parts of North West India, South India, Chhattisgarh and

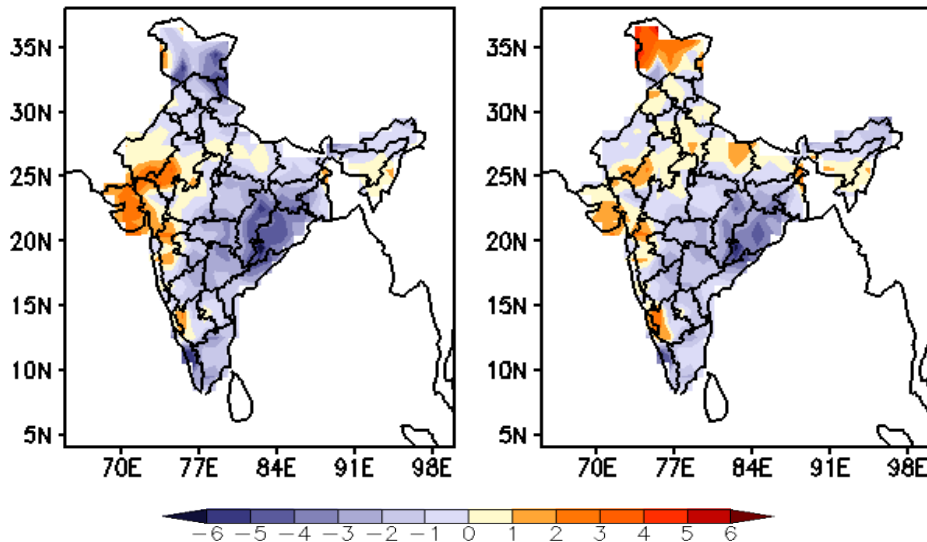
Konkan-Goa. However, it is likely to be below normal over North East India, many parts of Central India and parts of West India, South India and Uttar Pradesh.

- **Week 2 (21.02.2025 to 27.02.2025):** Maximum temperature is likely to be above normal over East India, North West India, many parts of North East India, some parts of South India, Gujarat, Konkan-Goa and Chhattisgarh. However, it is likely to be below normal over many parts of Central India & South India, some parts of West India and North East India.

MME forecast Tmin anomaly (Deg C)

(Week1: 14Feb–20Feb)

(Week2: 21Feb–27Feb)



Minimum Temperature (Tmin)

- **Week 1 (14.02.2025 to 20.02.2025):** Minimum temperature is likely to be below normal over most parts of the country. However, it is likely to be above normal over Gujarat, many parts of Rajasthan and some parts of Madhya Pradesh, Maharashtra and Karnataka.
- **Week 2 (21.02.2025 to 27.02.2025):** Minimum temperature is likely to be below normal over Central India, many parts of East India and South India. However, it is likely to be above normal over many parts of North West India, Gujarat, Madhya Pradesh and some parts of Karnataka.