

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



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



Date:28-03-2025

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	25.03.2025	26.03.2025	27.03.2025	28.03.2025
Rainfall (mm)	0	0	0	0.5
Max. Temp. (°C)	33.1	31.9	32	32.1
Min. Temp. (°C)	18.8	20.7	19.6	19.9
Sky condition (Octas)	-	-	-	-
Relative humidity (%) 0830 hours	86	99	89	100
Relative humidity (%) 1730 hours	-	-	-	-
Wind Speed (km/h)	-	-	-	-
Wind Direction	-	-	-	-

Weather forecast for the next five days (From 29-03-2025 to 02-04-2025)

Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	1	0	0	4	4
Max. temp (°C)	35	36	36	37	37
Min.Temp (°C)	21	21	22	22	23
Sky condition (Octas)	3	2	2	2	2
Relative humidity (%) 0830 hours	68	70	72	74	72
Relative humidity (%) 1730 hours	25	20	22	23	21
Wind Speed (kmph)	8	6	8	12	12
Wind Direction	239	249	194	169	185

Forecast Summary

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from **29.03.2025 to 02.04.2025** in Mysuru district. The day temperature is expected to be 35-37°C & night temperature is expected 21-23°C. The relative humidity in the morning hours is expected to be 68-74% & afternoon relative humidity is expected to be in the range of 20-25% Wind speed expected to be 8-12 km/hr.

SMS Advisory

A forecasted temperature for the next five days is 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. Very light rainfall aids in minimizing heat-related damage for crops.

Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
<ul style="list-style-type: none">• Light rainfall; retain soil moisture, providing 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	Vegetative stage	Provide regular irrigation to maintain soil moisture. Monitor for stem borer and apply necessary pest control. Maintain proper weed control.
Maize	Tasseling stage	Ensure sufficient moisture to support grain formation. Avoid moisture stress by irrigating fields. Monitor for fall armyworm and use pheromone traps or biological control if needed.
Finger millet	Vegetative stage	Irrigate based on soil moisture. Keep the field weed-free. Apply necessary nutrients for proper growth.
Tomato	Vegetative stage	Water at regular intervals to prevent stress. Monitor for pests like thrips and diseases like early blight. Use mulch to conserve soil moisture.
Chilli	Fruit formation stage	Regular irrigation is essential to avoid flower and fruit drop. Monitor for thrips and mites. Apply organic mulching to retain soil moisture.
Banana	Fruit development stage	Provide irrigation at regular intervals. Ensure proper nutrient supply, especially potassium for better fruit development. Protect plants from sunburn by using organic mulch.
Vegetable crops	Various stages	Maintain adequate soil moisture. Protect crops from pest attacks due to dry weather. Mulching can help conserve moisture and regulate soil temperature.

Moisture Conservation Practices and Summer Ploughing Advisory	
Practice	Weather-Based Advisory
Mulching	Apply dry leaves, paddy straw, or organic waste around plants to reduce evaporation losses and soil temperature.
Summer Ploughing	Since rainfall is absent, conduct deep summer ploughing to expose soil-borne pests and improve aeration. It also helps in better moisture retention for the next season.
Irrigation Management	Follow drip irrigation or sprinkler irrigation to conserve water. Irrigate during early morning or evening hours to minimize evaporation losses.
Shading Measures	For young plants and nurseries, use shade nets or temporary structures to reduce direct heat impact.

Sugarcane trash management
<ul style="list-style-type: none"> ➤ Composting: Convert trash into organic manure. ➤ Mulching: Use as mulch to conserve moisture and suppress weeds. ➤ Bio-decomposer: Spray bio-decomposers (e.g., <i>Trichoderma</i>, <i>Pseudomonas</i>) 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.

Recommendation to farmers		
Crop specific advisory:		
Crop	Stage	Advisory
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.
Tomato whiteflies	Fruiting stage	Spray 1.0ml.Oxydemeton methyl 25 EC in a lit. water.
Bean Pod borer	Pod formation stage	Spray 2.0 ml. Malathion 50 EC./ lit. water .
Tomato Early and late blight of tomato	Fruiting stage	<p>For late blight of tomato 15 days prior to transplanting <i>Trichoderma</i> and <i>Pseudomonas</i> 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>

		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.
Red gram Sterility mosaic	Pod initiation stage	Pull out the infested plants and destroy. 20 - 25, 40 - 45 days after sowing spray 2.5 ml. Dicofol 18.5 EC./lit. water. ICP 7035 sterility mosaic resistant red gram variety.
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 29-03-2025 to 02-04-2025)

H.D. Kote					
Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	0.3	0	0	0.1	0.4
Max. temp (°C)	35	35.8	36.2	35.6	34.4
Min.Temp (°C)	22.4	22.1	21.9	22.2	21.7
Sky condition (Octas)	3	3	1	3	4
Relative humidity (%) 0830 hours	83.3	77.9	78.7	75.1	78.2
Relative humidity (%) 1730 hours	31.1	22.1	21.4	24.8	27.3
Wind Speed (kmph)	3.9	6	2.8	3.3	3.9
Wind Direction	236.3	245	219.8	192.5	213.7

Hunsuru					
Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	0.2	0	0	0.1	0.3
Max. temp (°C)	34.5	35.1	35.6	35.2	34

Min.Temp (°C)	22.2	22.2	21.9	22.1	21.5
Sky condition (Octas)	4	3	1	3	4
Relative humidity (%) 0830 hours	80.4	75.3	75.7	74.3	78.1
Relative humidity (%) 1730 hours	28.9	22.5	20.3	24	26.7
Wind Speed (kmph)	4.2	5.9	2.9	3.9	4.8
Wind Direction	250	256	240.2	201.8	206.5

K.R. Nagara					
Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	0.2	0	0	0.2	0.2
Max. temp (°C)	34.4	35.1	35.4	35.1	34.2
Min.Temp (°C)	22.2	22.2	22	22.1	21.8
Sky condition (Octas)	4	3	1	3	4
Relative humidity (%) 0830 hours	80	75.7	76	74	76.9
Relative humidity (%) 1730 hours	28.7	21	20.5	23.8	24.7
Wind Speed (kmph)	4.6	6.2	2.3	4.1	5.4
Wind Direction	251.6	260	218.6	195.2	199.6

Mysuru					
Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	0.8	0	0.2	0.6	0.6
Max. temp (°C)	35	35.8	36.1	35.5	34.7
Min.Temp (°C)	23	22.7	22.2	22.6	22.2
Sky condition (Octas)	3	3	1	3	3
Relative humidity (%) 0830 hours	79.8	76.5	79.5	71.8	75.8
Relative humidity (%) 1730 hours	29.1	22.3	23.6	25.1	26.7
Wind Speed (kmph)	6.3	6.2	3.6	5.4	5.1
Wind Direction	246.4	249.4	216.8	187.6	184

Nanjanagudu					
Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	0	0	0	0.4	0.3
Max. temp (°C)	35.5	36.2	36.7	35.9	34.9

Min.Temp (°C)	23.4	22.7	22.2	22.4	22.2
Sky condition (Octas)	3	2	1	2	3
Relative humidity (%) 0830 hours	72	69	68.1	67.1	69
Relative humidity (%) 1730 hours	29.3	20.3	24.6	24.4	26.8
Wind Speed (kmph)	4.8	5.1	4	5.1	5.7
Wind Direction	222	225	90	171.9	161.6

Piriapatna					
Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	0.5	0	0	0.3	0.7
Max. temp (°C)	33.6	34.2	35.1	34	33
Min.Temp (°C)	20.9	20.9	20.6	20.9	20.6
Sky condition (Octas)	2	3	1	3	4
Relative humidity (%) 0830 hours	87.3	84.6	82.7	79.7	85.5
Relative humidity (%) 1730 hours	33	25.4	20.5	27.4	31
Wind Speed (kmph)	1.8	4.4	2.3	2.8	3.4
Wind Direction	200	260.5	251.6	230.2	212

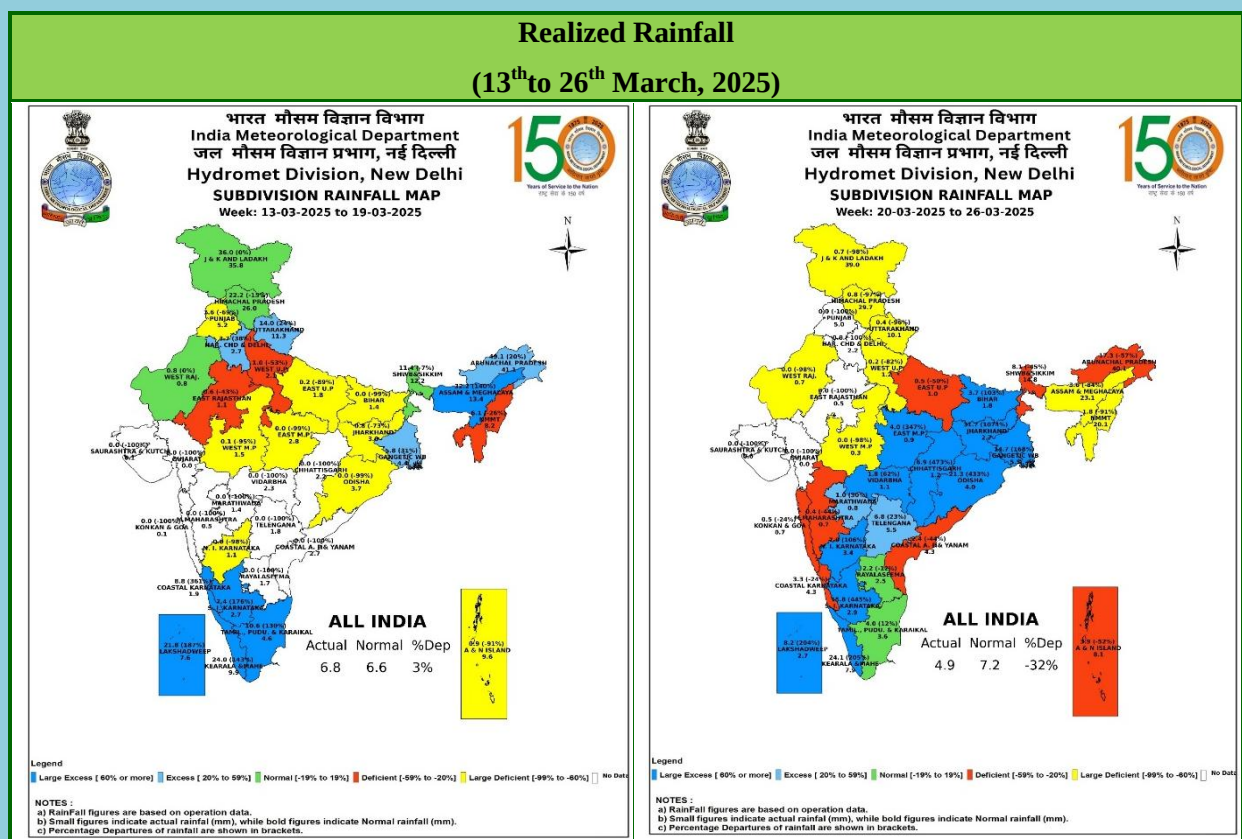
T. Narasipura					
Parameter	29.03.2025	30.03.2025	31.03.2025	01.04.2025	02.04.2025
Rainfall (mm)	0.2	0	0	0	0.6
Max. temp (°C)	35.9	36.7	37.1	36.1	35.2
Min.Temp (°C)	23.5	22.9	22.6	22.7	22.2
Sky condition (Octas)	3	3	1	2	3
Relative humidity (%) 0830 hours	68.2	66.5	66.5	62	67.9
Relative humidity (%) 1730 hours	26.1	19.7	21.3	22.2	25.2
Wind Speed (kmph)	4.8	6.1	4	5.8	5.9
Wind Direction	228	225	90	90	169.4

- 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.

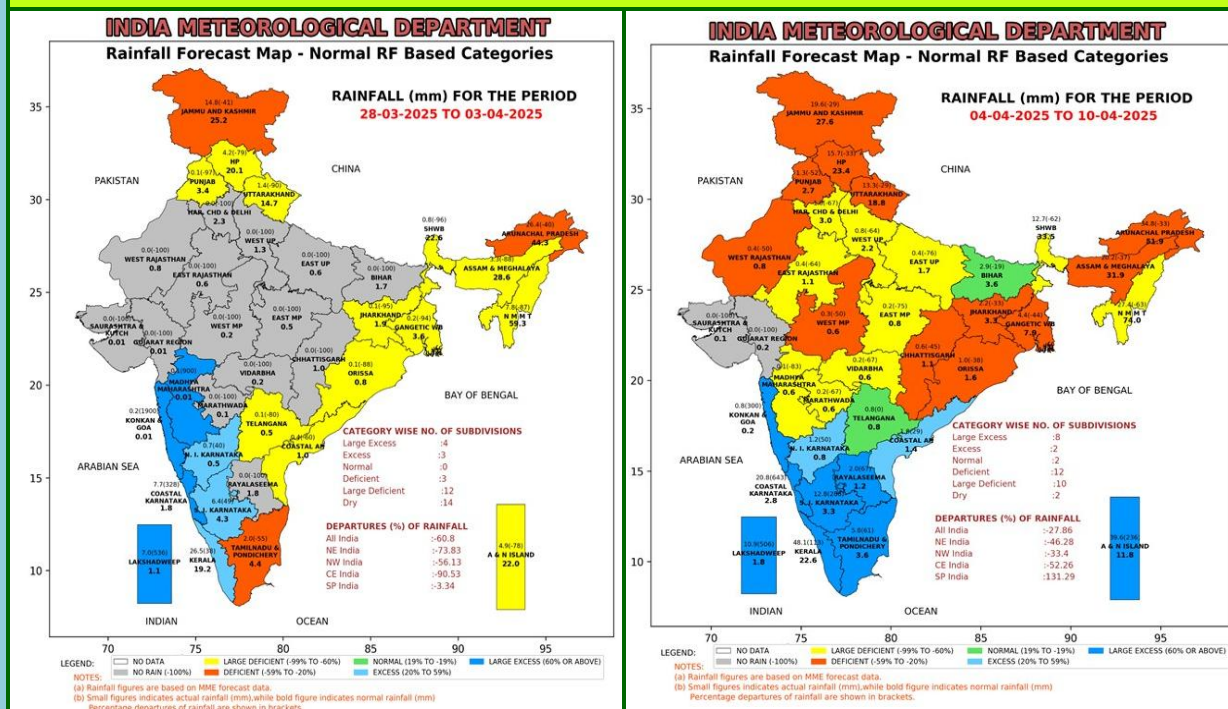
**AMFU of IMD,
Naganahalli, Mysuru**

वास्तविकवर्षा 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- 26thMarch,2025) (28thMarch to 10thApril, 2025)

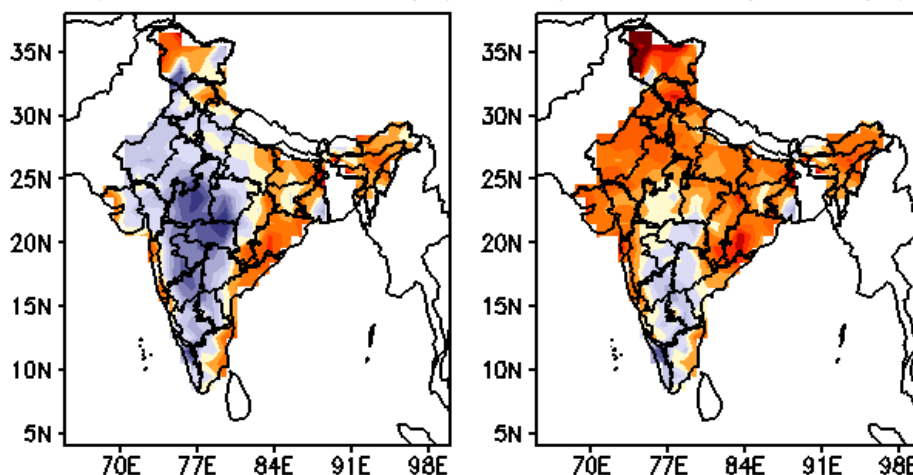


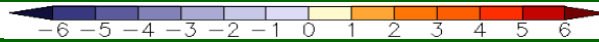
- Week1(28.03.2025 to 03.04.2025):** Rainfall is likely to be above normal over coastal regions of Kerala and Karnataka. Rainfall activity is also likely over Jammu & Kashmir and many parts of North East India.
- Week 2 (04.03.2025 to 10.04.2025):** Rainfall is likely to be above normal over Kerala and South Karnataka. Rainfall activity is also likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and North East India.

Maximum and Minimum temperature anomaly ($^{\circ}$ C) forecast for the next 2 weeks (IC- 26thMarch,2025) (28thMarch to 10thApril, 2025)

MME forecast Tmax anomaly (Deg C)

(Week1: 28Mar-03Apr) (Week2: 04Apr-10Apr)





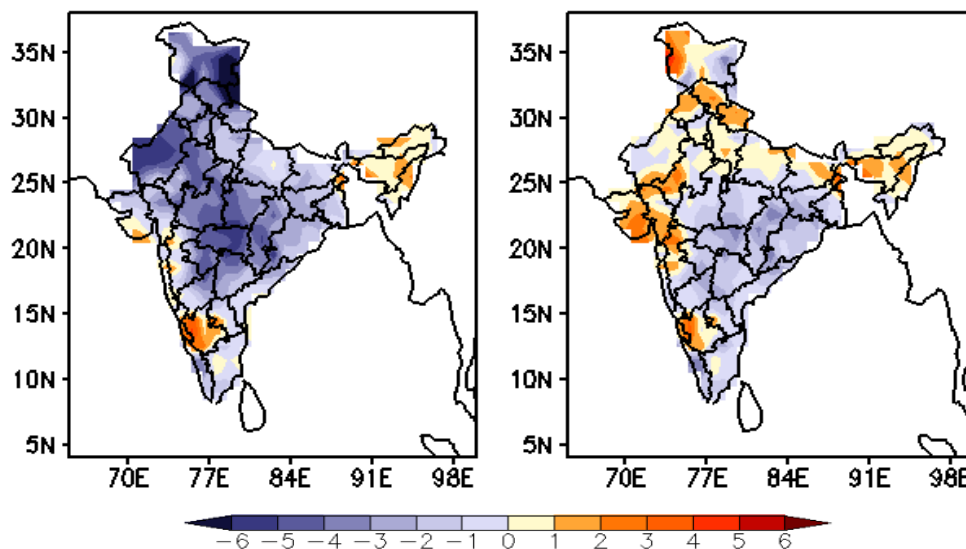
Maximum Temperature (Tmax)

- **Week 1 (28.03.2025 to 03.04.2025):** Maximum temperature is likely to be above normal over East India, North East India, Jammu & Kashmir, Konkan-Goa, Coastal Andhra Pradesh and parts of Himachal Pradesh, East Uttar Pradesh, Chhattisgarh and Tamil Nadu. However, it is likely to be below normal over Rajasthan and many parts of Central India, West India and South India.
- **Week 2 (04.03.2025 to 10.04.2025):** Maximum temperature is likely to be above normal over many parts of the country. However, it is likely to be below normal over Vidarbha, Marathwada and many parts of South India.

MME forecast Tmin anomaly (Deg C)

(Week1: 28Mar–03Apr)

(Week2: 04Apr–10Apr)



Minimum Temperature (Tmin)

- **Week 1 (28.03.2025 to 03.04.2025):** Minimum temperature is likely to be below normal over most parts of the country and above normal over North East India and Karnataka.
- **Week 2 (04.03.2025 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.