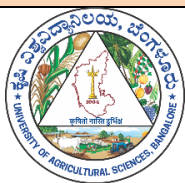


**UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIA METEOROLOGICAL DEPARTMENT**



**GRAMIN KRISHI MAUSAM SEWA AMFU,
AICRP- Agrometeorology, UAS,GKVK
Bengaluru – 560 065**



Date:12-12-2025

AGRO-ADVISORY BULLETIN FOR RAMANAGARA DISTRICT
Issued jointly by UAS, Bangalore & Indian Meteorological Department

Past Weather Data (08-12-2025 to 12-12-2025)

	08.12.2025	09.12.2025	10.12.2025	11.12.2025	12.12.2025
Rainfall (mm)	-	-	-	-	-
Max. Temp. (°C)	-	-	-	-	-
Min. Temp. (°C)	-	-	-	-	-
Sky condition (Octas)	-	-	-	-	-
Relative humidity (%) 0830 hours	-	-	-	-	-
Relative humidity (%) 1730 hours	-	-	-	-	-
Wind Speed (km/h)	-	-	-	-	-
Wind Direction	-	-	-	-	-



Weather forecast for the next five days (From 13-12-2025 to 17-12-2025)

Parameter	13.12.2025	14.12.2025	15.12.2025	16.12.2025	17.12.2025
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	28	28	29	29	28
Min. Temp. (°C)	15	15	14	14	15
Sky condition (Octas)	1	2	0	0	2
Relative humidity (%) 0830 hours	72	73	71	72	72
Relative humidity (%) 1730 hours	42	41	42	41	40
Wind Speed (kmph)	4	6	6	4	6
Wind Direction	65	63	68	61	67

Forecast Summary

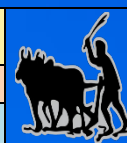
As forecast received from IMD, cloudy sky with **No rain** expected from **13.12.2025 to 17.12.2025** in Bengaluru Rural District. The day temperature is expected to be 28.0-29.0°C and night temperature is expected to be 14.0-15.0°C. The relative humidity in the morning hours is expected to be 71-73 % and afternoon relative humidity is expected to be in the range of 40-42 %, Wind speed is expected to be 4-6 km/hr.

SMS Advisory

Cloudy weather, cool nights may increase fungal disease risk—monitor crops closely and ensure fields have good drainage.



Recommendations to the farmers: -			
Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
Field Crops 1. Right time for harvesting, drying, cleaning and storage of kharif crops. 2. Apply neem leaves/neem powder in grain bags as a natural repellent. 3. For long-term storage of pulses, store with tri-sodium phosphate (TSP) treated gunny sacks to reduce bruchid attack. Vegetables & Horticulture 1. Stake/support tomato, chilli, and creepers against lodging due to winds. 2. Watch for fruit borer and shoot borer in fruit development stage. 3. Spray the chemicals early morning and late evening for better pest and disease control. Livestock & Poultry 1. Give dry fodder and provide shelter to animals in evening higher humidity. 2. Maintain hygiene in sheds to prevent infections.			



Crop	Stage	Weather-Based Agromet Advisory
Ragi	Harvesting stage	Harvest finger millet when ear heads turn brown and grains become hard, preferably during clear and dry weather to avoid shattering losses. Dry the harvested ear heads on clean tarpaulins until grain moisture reaches about 12%.
Redgram	Pod development and maturity stage	Cloudy and humid weather may increase Pod borer and Sterility mosaic incidence. To control of fruit borer in redgram to spray Indoxacarb 14.5 SC @ 0.5 ml/litre of water or spray Chlorantraniliprole 8.5 SC @ 0.3 ml/litre of water
Maize	Post harvest	Ensure quick drying of harvested crop. Store grains at 12% moisture or below. Store grains in air-tight, moisture-proof bags (HDPE, PICS, or gunny bags with polyliners).
Cowpea	Flowering and pod development stage	To control of Aphids to spray Dimethoate 30 EC @ 1.75 ml/liter of water
Field bean	Flowering and pod development stage	To control of Aphids to spray Dimethoate 30 EC @ 1.75 ml/liter of water. Pod borer control spray Chlorantraniliprole 0.3 ml/litre of water.
Chilli	Fruit development stage	Spray Carbendazim 1 g/l of water or Copper oxychloride 2.5 g/l of water for anthracnose. For thrips, use Fipronil 1 g/l of water or Neem oil 3 ml/l of water. Avoid water stagnation in crop field.
Mango		Apply Zinc sulphate (3 g/L) + Boric acid (1 g/L) once in November to improve flower bud formation. Maintain stress conditions (no irrigation) for flowering induction.

Arecanut		Moist conditions may cause infestation of spindle bug and inflorescence dieback . To control inflorescence dieback spray Copper oxychloride 3 g/litre on bunches and crown region. To control spindle bug spray Dimethoate 30 EC @ 2 ml/litre of water. Spray on spindle leaves and crown region using a hand sprayer	
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Livestock, Poultry, and Sericulture Advisory	
Sector	Weather-Based Advisory
Livestock	1. Provide dry and clean shelter; avoid animals standing in wet areas. 2. Provide ample clean drinking water. 3. Monitor for tick and mite infestations; use approved acaricides if needed. 4. Provide balanced feed and mineral supplements. 5. Minimum temperatures cause cold stress in young calves/kids. Provide bedding (dry straw) and night shelter to reduce cold exposure.
Sericulture	Humid and rainy conditions increase grasserie, flacherie and fungal diseases 1. Maintain proper rearing house hygiene, clean and disinfect trays. 2. The recommendation of farmers closes the windows with tarpaulins sheet during night hours to maintain optimum room temperature. 3. Avoid wet or damp mulberry leaves, use air-dried or well-drained leaves.
Poultry	1. Cool early mornings need brooder temperature maintenance for chicks. 2. Maintain poultry shed dryness; use lime powder to reduce moisture. 3. Provide electrolytes + vitamins in water for immunity. 4. Cool, humid mornings favor: CRD (Chronic Respiratory Disease), Coccidiosis, Colibacillosis- Follow routine vaccinations strictly (Ranikhet, IBD). 5. Maintain optimum lighting schedule to support winter egg production.

Block level weather forecast (From 13-12-2025 to 17-12-2025)					
CHANNAPATTANA BLOCK					
Parameter	13.12.2025	14.12.2025	15.12.2025	16.12.2025	17.12.2025
Rainfall (mm)	0	0	0	0	1
Max. temp (°C)	28	28	28	27	27
Min.Temp (°C)	14	14	14	15	17
Sky condition (Octas)	1	2	3	2	5
Relative humidity (%) 0830 hours	92	89	88	90	91
Relative humidity (%) 1730 hours	26	23	27	34	57
Wind Speed (kmph)	5	6	7	7	6
Wind Direction	48	63	72	58	75

KANAKAPURA BLOCK					
Parameter	13.12.2025	14.12.2025	15.12.2025	16.12.2025	17.12.2025
Rainfall (mm)	0	0	0	0	1
Max. temp (°C)	28	28	28	27	27
Min.Temp (°C)	14	14	13	15	17
Sky condition (Octas)	1	2	3	2	5
Relative humidity (%) 0830 hours	92	89	88	89	91
Relative humidity (%) 1730 hours	28	25	30	36	58
Wind Speed (kmph)	5	6	6	6	6
Wind Direction	56	65	74	63	79

MAGADI BLOCK					
Parameter	13.12.2025	14.12.2025	15.12.2025	16.12.2025	17.12.2025
Rainfall (mm)	0	0	0	0	1
Max. temp (°C)	27	27	27	26	26
Min.Temp (°C)	13	13	13	15	16
Sky condition (Octas)	1	2	3	2	5
Relative humidity (%) 0830 hours	92	89	92	89	91
Relative humidity (%) 1730 hours	23	22	26	33	57
Wind Speed (kmph)	7	9	9	9	8
Wind Direction	53	66	76	66	75

RAMANAGARA BLOCK					
Parameter	13.12.2025	14.12.2025	15.12.2025	16.12.2025	17.12.2025
Rainfall (mm)	0	0	0	0	1
Max. temp (°C)	28	28	28	27	27
Min.Temp (°C)	14	14	13	15	17
Sky condition (Octas)	1	1	3	2	5
Relative humidity (%) 0830 hours	92	89	91	91	90
Relative humidity (%) 1730 hours	25	23	27	34	57
Wind Speed (kmph)	7	9	9	9	8
Wind Direction	58	66	71	60	73

- 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

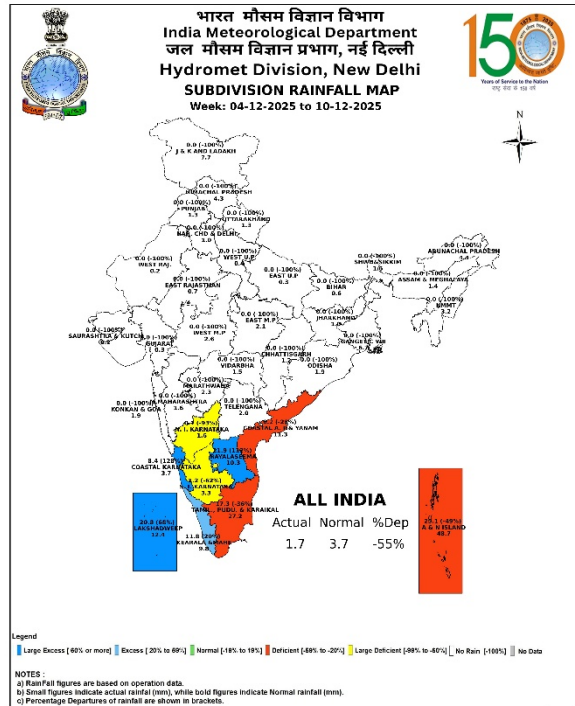
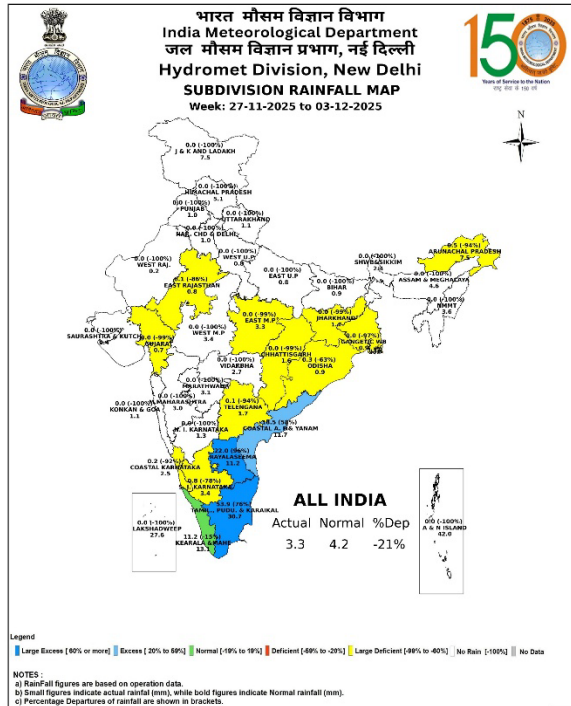
For any information farmers can contact **Dr. M. N. Thimmegowda**, Professor & Head/
Mr. L. Nagesha, Technical officer over phone No. **9741109702/ 9008454142**

AMFU of IMD,
AICRP-AM, Bengaluru

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

Realized Rainfall

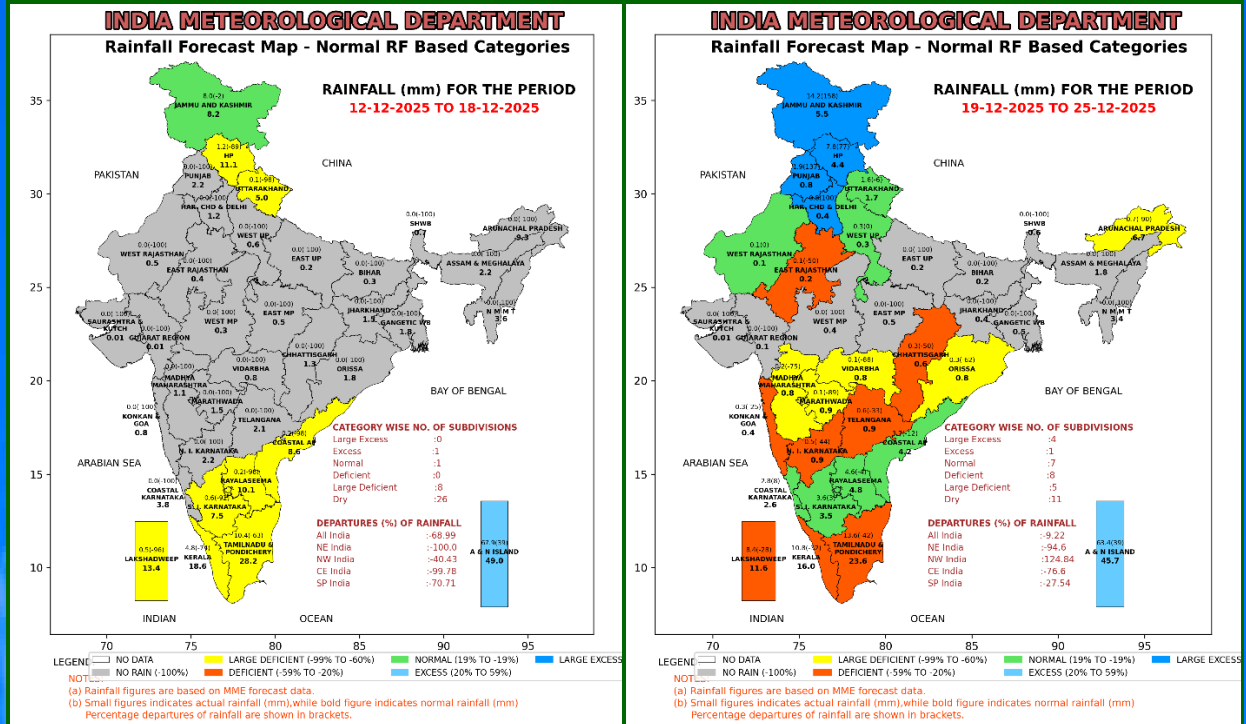
(20th November to 03rd December, 2025)



- Normal or above normal rainfall occurred in both the weeks over Rayalaseema and Kerala & Mahe.
- Normal or above normal rainfall occurred in either of the two weeks over Coastal Andhra Pradesh, Tamil Nadu Karaikal & Puducherry, Coastal Karnataka and Lakshadweep.
- Below Normal rainfall / No rain occurred in both the weeks over rest of the States & UTs.

Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 10th December, 2025) (12th December to 25th December, 2025)



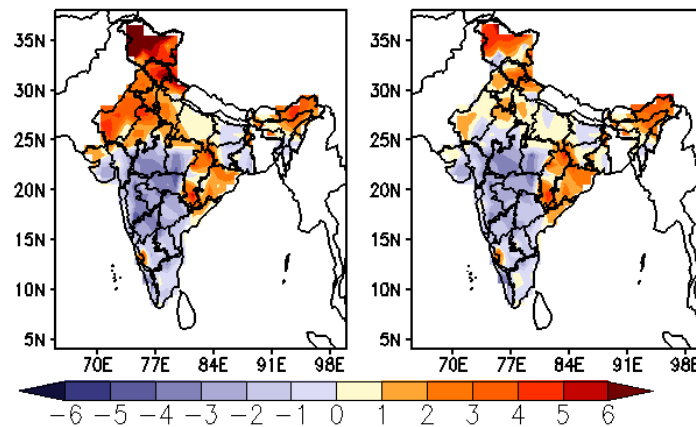
- Week 1 (12.12.2025 to 18.12.2025):** Rainfall activity is likely over Jammu & Kashmir, Tamil Nadu and some parts of Kerala.
- Week 2 (19.12.2025 to 25.12.2025):** Rainfall activity is likely over Jammu & Kashmir, Himachal Pradesh, Tamil Nadu, Kerala and some parts of Andhra Pradesh. Rainfall is likely to be above normal over Jammu & Kashmir.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 10th December, 2025) (12th December to 25th December, 2025)

MME forecast Tmax anomaly (Deg C)

(Week1: 12Dec–18Dec)

(Week2: 19Dec–25Dec)



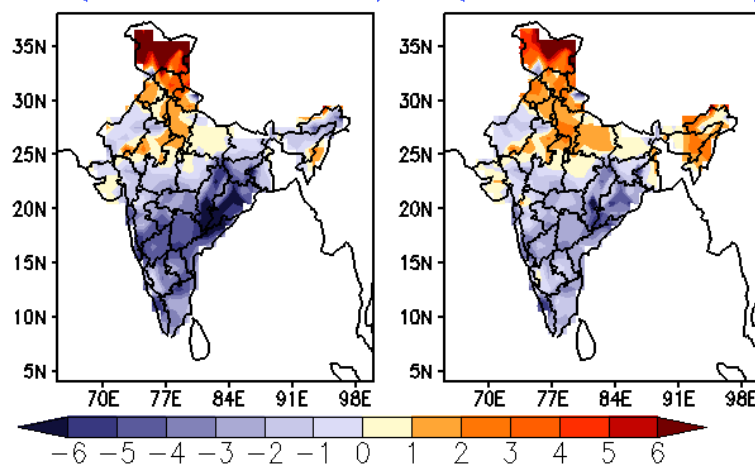
Maximum Temperature (Tmax)

- **Week 1 (12.12.2025 to 18.12.2025):** Maximum temperature is likely to be above normal over North West India, Chhattisgarh, Odisha, Arunachal Pradesh, Assam, North Coastal Andhra Pradesh and some parts of South Karnataka. However, it is likely to be below normal over many parts of Central India, West India, South India and East India.
- **Week 2 (19.12.2025 to 25.12.2025):** Maximum temperature is likely to be above normal over North West India, Chhattisgarh, Odisha, Arunachal Pradesh, Assam, North Coastal Andhra Pradesh and some parts of South Karnataka. However, it is likely to be below normal over many parts of Central India, West India, South India and Bihar.

MME forecast Tmin anomaly (Deg C)

(Week1: 12Dec–18Dec)

(Week2: 19Dec–25Dec)



Minimum Temperature (Tmin)

- **Week 1 (12.12.2025 to 18.12.2025):** Minimum temperature is likely to be above normal over many parts of North West India. However, it is likely to be below normal over rest of the country.
- **Week 2 (19.12.2025 to 25.12.2025):** Minimum temperature is likely to be above normal over many parts of North West India and North East India. However, it is likely to be below normal over West Rajasthan, Central India and many parts of East India, South India and West India.