

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



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



Date:09-12-2025

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

Past Weather Data (05-12-2025 to 09-12-2025)

	05.12.2025	06.12.2025	07.12.2025	08.12.2025	09.12.2025
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 10-12-2025 to 14-12-2025)

Parameter	10.12.2025	11.12.2025	12.12.2025	13.12.2025	14.12.2025
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	29	30	29	29	29
Min. Temp. (°C)	16	15	16	15	16
Sky condition (Octas)	3	4	2	3	2
Relative humidity (%) 0830 hours	80	80	81	82	80
Relative humidity (%) 1730 hours	39	32	33	37	36
Wind Speed (kmph)	4	4	4	4	4
Wind Direction	54	62	60	54	63

Forecast Summary

As forecast received from IMD, cloudy sky with **No rain** expected from **10.12.2025 to 14.12.2025** in Bengaluru Rural District. The day temperature is expected to be 29.0-30.0°C and night temperature is expected to be 15.0-16.0°C. The relative humidity in the morning hours is expected to be 80-82 % and afternoon relative humidity is expected to be in the range of 33-39 %, 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
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General Advisory:

Field Crops

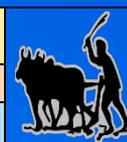
1. Right time for harvesting, drying, cleaning and storage of kharif crops.
2. Apply **neem leaves/neem powder** in grain bags as a natural repellent.
3. For long-term storage of pulses, store with **tri-sodium phosphate (TSP) treated** gunny sacks to reduce bruchid attack.

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	<ol style="list-style-type: none"> 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	<p>Humid and rainy conditions increase grasserie, flacherie and fungal diseases</p> <ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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 10-12-2025 to 14-12-2025)					
CHANNAPATTANA BLOCK					
Parameter	10.12.2025	11.12.2025	12.12.2025	13.12.2025	14.12.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	28	28	27	28	28
Min.Temp (°C)	15	15	14	14	14
Sky condition (Octas)	3	4	3	3	2
Relative humidity (%) 0830 hours	90	90	93	92	89
Relative humidity (%) 1730 hours	40	32	33	28	25
Wind Speed (kmph)	6	6	6	6	7
Wind Direction	45	69	52	55	56

KANAKAPURA BLOCK

Parameter	10.12.2025	11.12.2025	12.12.2025	13.12.2025	14.12.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	28	28	27	28	28
Min.Temp (°C)	15	15	14	14	14
Sky condition (Octas)	3	4	2	3	2
Relative humidity (%) 0830 hours	89	90	93	92	89
Relative humidity (%) 1730 hours	43	34	35	30	26
Wind Speed (kmph)	6	6	7	6	6
Wind Direction	50	73	56	63	59

MAGADI BLOCK

Parameter	10.12.2025	11.12.2025	12.12.2025	13.12.2025	14.12.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	27	27	27	27	27
Min.Temp (°C)	15	15	14	14	13
Sky condition (Octas)	4	4	3	3	2
Relative humidity (%) 0830 hours	84	86	92	90	89
Relative humidity (%) 1730 hours	39	30	30	24	22
Wind Speed (kmph)	9	10	10	9	8
Wind Direction	58	57	63	58	59

RAMANAGARA BLOCK

Parameter	10.12.2025	11.12.2025	12.12.2025	13.12.2025	14.12.2025
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	28	28	27	27	28
Min.Temp (°C)	15	15	14	14	14
Sky condition (Octas)	3	4	3	2	2
Relative humidity (%) 0830 hours	87	86	93	90	88
Relative humidity (%) 1730 hours	41	32	32	27	24
Wind Speed (kmph)	8	8	8	8	8
Wind Direction	56	65	63	59	59

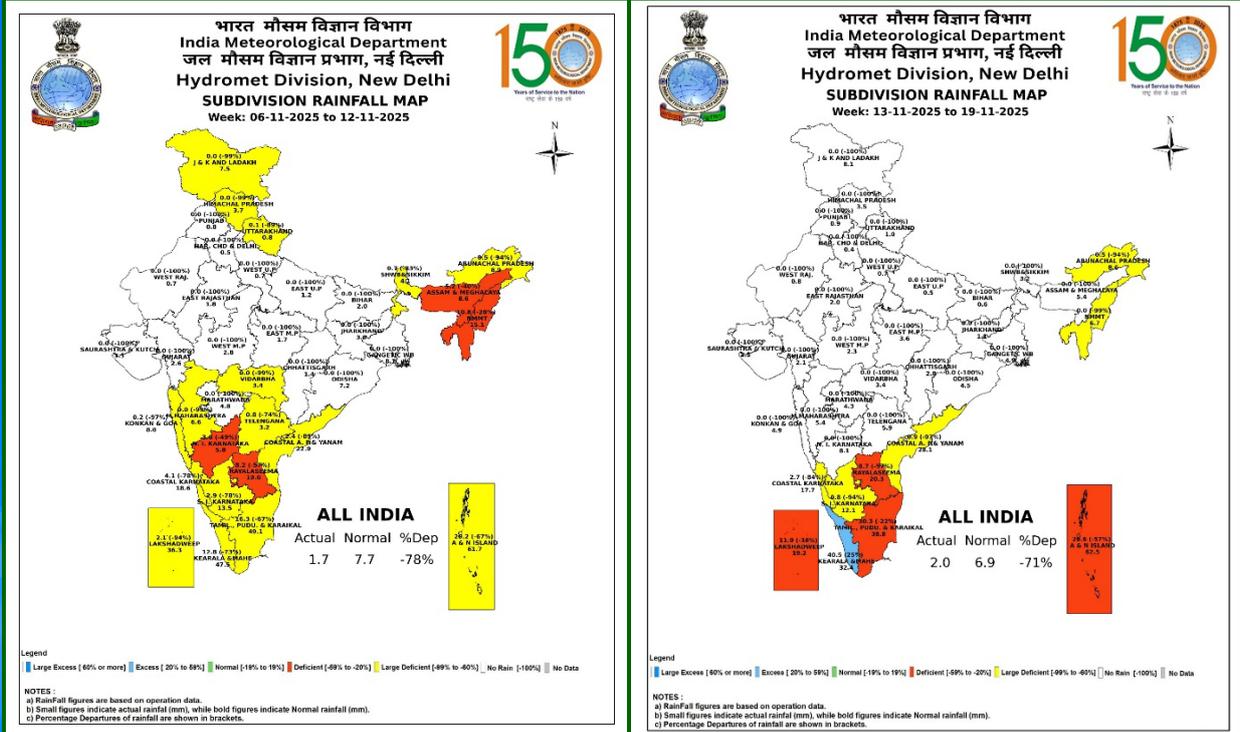
- Download “DAMINI” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “MAUSAM” APP for location specific forecast & warning & “MEGHDOOT” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

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

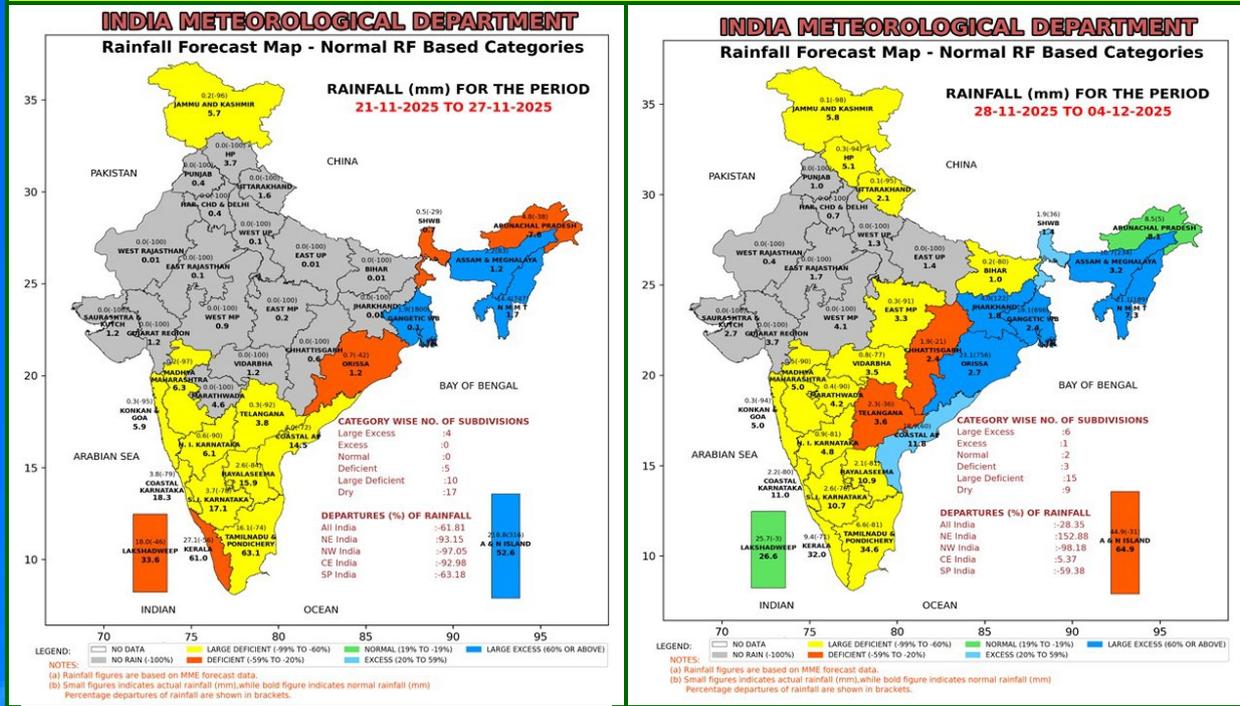
Realized Rainfall
(06th to 19th November, 2025)



- Normal or above normal rainfall occurred in either of the two weeks over Kerala & Mahe.
- 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- 19th November, 2025) (21st November to 04th December, 2025)

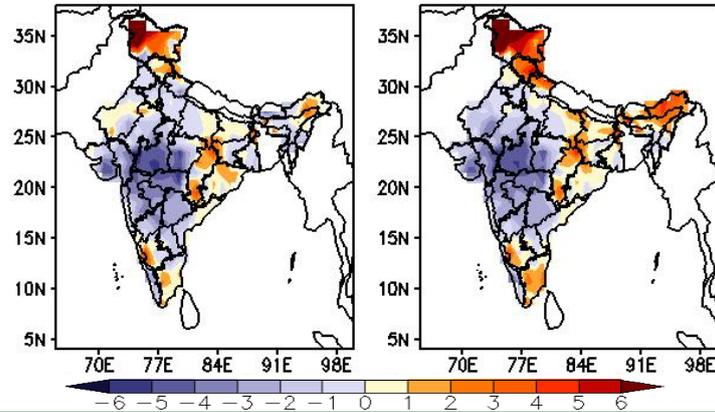


- **Week 1(21.11.2025 to 27.11.2025):** Rainfall is likely to be below normal over Kerala, Tamil Nadu and South Karnataka.
- **Week 2 (28.11.2025 to 04.12.2025):** Rainfall is likely to be above normal over Gangetic West Bengal, coastal regions of Odisha and Northern parts of Coastal Andhra Pradesh. However, it is likely to be below normal over Kerala, Tamil Nadu and some parts of South Karnataka.

**Maximum and Minimum temperature anomaly (°C) forecast
for the next 2 weeks (IC- 19th November, 2025)
(21st November to 04th December, 2025)**

MME forecast Tmax anomaly (Deg C)

(Week1: 21Nov-27Nov) (Week2: 28Nov-04Dec)

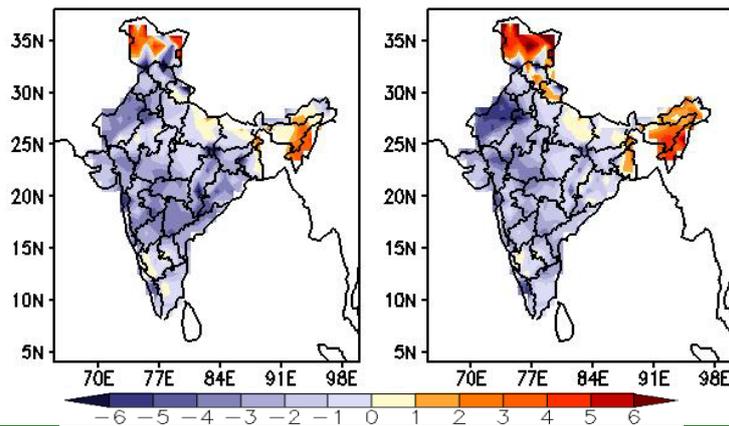


Maximum Temperature (Tmax)

- **Week 1 (21.11.2025 to 27.11.2025):** Maximum temperature is likely to be above normal over Jammu & Kashmir, Himachal Pradesh, West Rajasthan, Bihar, Arunachal Pradesh, Chhattisgarh, Odisha, Tamil Nadu, South Karnataka and some parts of East Uttar Pradesh. However, it is likely to be below normal over rest of the country.
- **Week 2 (28.11.2025 to 04.12.2025):** Maximum temperature is likely to be above normal over East India, North East India, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Chhattisgarh, Tamil Nadu and South Karnataka. However, it is likely to be below normal over rest of the country.

MME forecast Tmin anomaly (Deg C)

(Week1: 21Nov-27Nov) (Week2: 28Nov-04Dec)



Minimum Temperature (Tmin)

- **Week 1 (21.11.2025 to 27.11.2025):** Minimum temperature is likely to be below normal over most parts of the country except Jammu & Kashmir and North East India.
- **Week 2 (28.11.2025 to 04.12.2025):** Minimum temperature is likely to be below normal over most parts of the country except North East India, Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Gangetic West Bengal.

