UNIVERSITY OF AGRICULTURAL SCIENCES, BENGALURU &
INDIAN METEOROLOGICAL DEPARTMENT

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MYSURU - 570003

Date:26-11-2024

AGRO-ADVISORY BULLETIN FOR MANDYA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	22.11.2024	23.11.2024	24.11.2024	25.11.2024	26.11.2024
Rainfall (mm)	0	0	0	0	0
Max. Temp. (°C)	29	31.6	29.6	30	29
Min. Temp. (°C)	16.8	17.5	18.4	18.3	18.2
Sky condition (Octas)	6	8	6	8	8
Relative humidity (%) 0830 hours	84	86	85	91	83
Relative humidity (%) 1730 hours	69	-	64	60	69
Wind Speed (km/h)	6	4	6	4	8
Wind Direction	140	50	50	50	50

Weather forecast for the next five days (From 27-11-2024 to 01-12-2024)

Parameter	27.11.2024	28.11.2024	29.11.2024	30.11.2024	01.12.2024
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	24.1	25.1	25.8	26.2	25.4
Min.Temp (°C)	18.2	18.1	17.7	18.5	18.6
Sky condition (Octas)	8	7	7	8	8
Relative humidity (%) 0830 hours	89	81	78	82	82
Relative humidity (%) 1730 hours	59	47	52	51	53
Wind Speed (kmph)	6.4	9.1	8	8.4	3.3
Wind Direction	27	7	352	350	6

Forecast Summary

As forecast received from IMD, cloudy sky with no rainfall may be expected from 27.11.2024 to 01.12.2024 in Mandya district. The day temperature is expected to be 24.1-26.2°C & night temperature is expected 17.7-18.6°C. The relative humidity in the morning hours is expected to be 78-89% & afternoon relative humidity is expected to be in the range of 47-59%. Wind speed expected to be 6.4-9.1 km/ hr.

SMS Advisory
Protect crops and livestock from cold; irrigate late morning and provide warm shelters for animals.

Recommendations to the farmers:-

Crop	Pest/Disease	Damage symptoms	Control measures

General Advisory:

- ✓ As no rainfall is expected, schedule light but consistent irrigation for crops like cabbage, cauliflower, tomato, and beans.
- ✓ Avoid over-irrigation, particularly for crops in fruit and pod development stages, to prevent diseases like fruit rot and root rot.
- ✓ Monitor crops regularly for pests such as aphids, pod borers, and fruit borers.
- ✓ Use eco-friendly pest control methods such as neem oil or pheromone traps.
- ✓ Mulch around crops to conserve soil moisture and suppress weed growth.
- ✓ Apply balanced fertilizers, especially potash and nitrogen, to support growth in critical stages like fruiting and pod formation.
- ✓ Prune dead or diseased parts to promote healthy growth.
- ✓ Protect sensitive crops like banana and coffee from strong winds by supporting them with stakes.
- ✓ For turmeric and ginger ready for harvest, ensure proper drying of rhizomes to prevent fungal growth.
- ✓ Mulch and maintain basin formation around coconut, arecanut, and black pepper to conserve soil moisture.
- ✓ Provide clean, dry shelters and adequate ventilation to livestock.
- ✓ Increase feeding of high-energy fodder to maintain body warmth in cooler temperatures.
- ✓ Maintain optimal room temperature (24-26°C) and humidity (65-75%) for silkworm rearing.
- ✓ Feed silkworms fresh and healthy mulberry leaves to ensure uniform growth.
- ✓ Ensure poultry houses are well-ventilated and dry.
- ✓ Provide clean drinking water and balanced feed to maintain productivity.
- ✓ Look for early signs of fungal infections due to high humidity during the morning.
- ✓ Use appropriate fungicides or organic solutions like garlic extracts for management.
- ✓ Avoid field operations during peak midday hours to prevent heat exhaustion.
- ✓ Ensure proper storage of harvested produce to maintain quality.

Weather based advisory

Crop	Stage	Advisory
Cabbage and cauliflower	**Head formation stage**	Maintain adequate soil moisture through light irrigation. Watch for pests like aphids.
Bean	**Pod formation stage**	Ensure consistent soil moisture. Handpick pests like pod borers if observed.
Tomato	**Fruit development stage**	Stake plants to prevent fruit contact with soil. Avoid overwatering to prevent diseases.
Red gram	**Pod initiation stage**	Monitor for pod borers. Apply a light dose of fertilizers for healthy pod development.
Paddy	**Hard dough stage**	Avoid waterlogging. Monitor for pests and prepare for harvesting soon.
Chilli	**Fruit development stage**	Remove damaged fruits and monitor for fruit rot or viral infections.
Field bean	**Pod development**	Irrigate moderately. Monitor for pod pests like aphids.
Banana	**Fruit development**	Support the plants with props to prevent lodging. Apply potash-

	stage	rich fertilizers.
Chilli	**Vegetative stage**	Perform timely weeding. Apply nitrogen fertilizers to promote healthy vegetative growth.
Horticultural crops	**Various stages**	Monitor for pests/diseases. Adjust irrigation based on stage-specific needs.
Plantation crops	**Various stages**	Mulch around the base to conserve moisture. Prune older leaves to promote airflow.
Livestock	**Shelter and Feeding**	Provide clean, dry shelters. Maintain hydration and balanced feed to support health.
Sericulture	**Rearing stage**	Maintain optimal temperature and humidity in rearing rooms. Feed silkworms with fresh mulberry leaves.
Poultry	Shelter and Feeding	Ensure adequate ventilation in coops. Provide clean water and balanced feed.

Recommendation to farmers		
Crop specific advisory:		
Crop	**Stage**	**Advisory**
Cabbage diamond back moth	Head stage	• 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 . • Birdpurches 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	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.
Rice earhead bug	Hard dough stage	> During milky stage of the crop; spray Malathion 50 EC. at 2.0 ml./lit. of water .

		OR > Dust 8 - 10 kg. Malathion 5 D./acre during morning hours.
Rice Brown plant hoppers	Hard dough stage	Spray any one of the following insecticides per lit. water 1) Imidacloprid 17.8 SL.- 0.5 ml. 2) Thiamethoxam 25 WG.- 0.7 g. 3) Monocrotophos 36 SL.- 1.5ml 4) Chlorpyriphos 20 EC.- 2.0 ml. 5) Buprofezin 25 EC.- 1.4ml. > Spray solution should reach the base of the plant. > Around 400 to 450 lit. spray solution required/acre. Granular insecticide kg./ac 1) Carbofuran 3 G- 8.0 2) Phorate 10 G- 5.0 3) Quinalphos 5 G - 12.0 N.B: Drain out the water and apply granules. Two days after application light irrigation may be provided.
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)Propiconozole 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.
Paddy Leaf folder	Panicle emergence stage	Apply any one of the following insecticides per lit. water a) Quinalphos 25 EC. - 2.0 ml. b) Indoxacarb 14.5 SC. - 0.5ml. c) Flubendiamide 48 SC. - 0.08ml. d) Flubendiamide 20 WG. - 0.2 g. Drain out the water and spray the insecticide. 250 - 300 lit. spray mixture requires per acre.
Paddy Bacterial leaf blight	Panicle emergence stage	25 and 50 DAT add 0.5 g. Streptocycline and 2.5 g. Copper oxychloride 50 WP for a lit. Water and spray. 200 to 250 lit. Spray mixture requires/acre/time.
Ginger Rhizome rot	Harvesting stage	2.0 g. Metalaxyl - MZ 72Wdiv. in a lit. water. Before store of seed material soak them in 3.0 g. Mancozeb 75 Wdiv. in a lit. water for 30 min then dry in shade and store.

Block level weather forecast (From 27-11-2024 to 01-12-2024)					
Krishnarajpet					
Parameter	**27.11.2024**	**28.11.2024**	**29.11.2024**	**30.11.2024**	**01.12.2024**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	25.5	24.5	25	25.8	25.7

Min.Temp (°C)	18.2	18.5	17.2	17.2	18.5
Sky condition (Octas)	8	8	7	8	8
Relative humidity (%) 0830 hours	92	80.7	78.2	79.6	81.2
Relative humidity (%) 1730 hours	58.4	55.4	46.6	53.7	52.2
Wind Speed (kmph)	9.4	9.7	9.5	9	7.1
Wind Direction	46.5	26.5	10.8	2.2	345.3

Maddur					
Parameter	**27.11.2024**	**28.11.2024**	**29.11.2024**	**30.11.2024**	**01.12.2024**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	26.1	25.2	25	26.9	26.2
Min.Temp (°C)	19	18.7	17.7	17.8	19.1
Sky condition (Octas)	8	7	7	8	8
Relative humidity (%) 0830 hours	95.2	81.5	75.9	81.9	89
Relative humidity (%) 1730 hours	55.3	52.7	48.9	51.8	54.1
Wind Speed (kmph)	6.6	7.6	7.4	6.4	6.4
Wind Direction	29.3	90	337.2	333.5	317.3

Malvalli					
Parameter	**27.11.2024**	**28.11.2024**	**29.11.2024**	**30.11.2024**	**01.12.2024**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	26.1	25.1	25	27.1	26.2
Min.Temp (°C)	19.2	18.9	17.9	17.8	19.2
Sky condition (Octas)	8	7	7	8	8
Relative humidity (%) 0830 hours	95.6	80.7	75.7	81.7	92.5
Relative humidity (%) 1730 hours	54.8	53.6	48.8	51.2	54.6
Wind Speed (kmph)	6.4	5.8	4.8	5.1	5.8
Wind Direction	38.1	90	318	320.7	299.8

Mandya					
Parameter	**27.11.2024**	**28.11.2024**	**29.11.2024**	**30.11.2024**	**01.12.2024**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	25.8	24.9	25.1	26.6	26
Min.Temp (°C)	18.8	18.6	17.6	17.7	18.9
Sky condition (Octas)	8	7	7	8	8

Relative humidity (%) 0830 hours	94.8	80.4	73.6	81.1	88.1
Relative humidity (%) 1730 hours	55.6	52.6	46.6	52.1	54.2
Wind Speed (kmph)	8.9	8.9	8.4	7.5	6
Wind Direction	40.1	14	352.6	343.3	327.3

Nagamangala					
Parameter	**27.11.2024**	**28.11.2024**	**29.11.2024**	**30.11.2024**	**01.12.2024**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	25.2	24.2	24.4	25.9	25.2
Min.Temp (°C)	17.9	18.1	17.2	17.2	18.7
Sky condition (Octas)	8	7	7	8	8
Relative humidity (%) 0830 hours	92.5	81.1	78.6	78.8	78
Relative humidity (%) 1730 hours	60.9	54.7	47.4	54.1	54.1
Wind Speed (kmph)	9.6	11.3	11.2	11.5	8.3
Wind Direction	34.3	16.7	358.2	358.3	342.4

Pandavapura					
Parameter	**27.11.2024**	**28.11.2024**	**29.11.2024**	**30.11.2024**	**01.12.2024**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	25.7	24.8	25	26.4	25.9
Min.Temp (°C)	18.7	18.6	17.5	17.6	18.7
Sky condition (Octas)	8	7	7	8	8
Relative humidity (%) 0830 hours	93.2	78.6	74.1	76	83.9
Relative humidity (%) 1730 hours	56.6	53.6	46.9	52	53.9
Wind Speed (kmph)	9.4	9.1	8	6.7	5.7
Wind Direction	40.3	18.4	354.8	344.5	325.3

Shrirangapattana					
Parameter	**27.11.2024**	**28.11.2024**	**29.11.2024**	**30.11.2024**	**01.12.2024**
Rainfall (mm)	0	0	0	0	0
Max. temp (°C)	25.8	24.7	25	26.6	26.1
Min.Temp (°C)	18.8	18.8	17.6	17.7	18.9
Sky condition (Octas)	8	7	7	8	8
Relative humidity (%) 0830 hours	93	78.8	73	76.4	88.2
Relative humidity (%) 1730 hours	55.5	53.9	47.8	50.8	54.6
Wind Speed (kmph)	7.6	7.5	6.5	5.6	5.1

Wind Direction	45	16.7	353.7	345.1	320.7

- 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

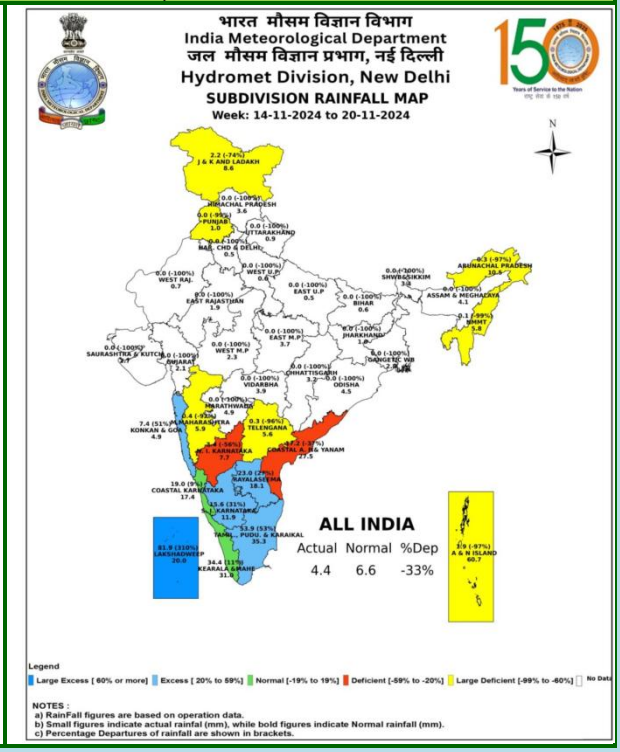
For any information farmers can contact **Dr.C.Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Technical officer over phone No.0821-259126/ 9535345814.

AMFU of IMD, Naganahalli, Mysuru

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

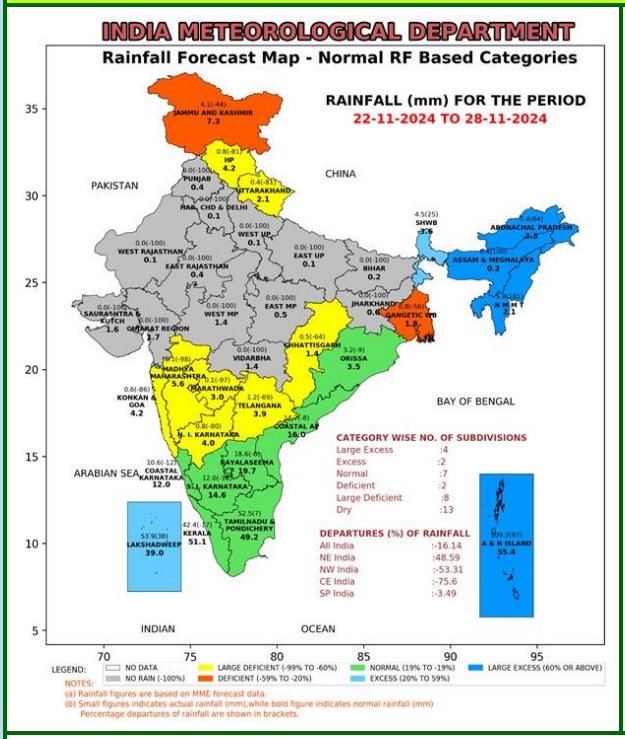
Realized Rainfall

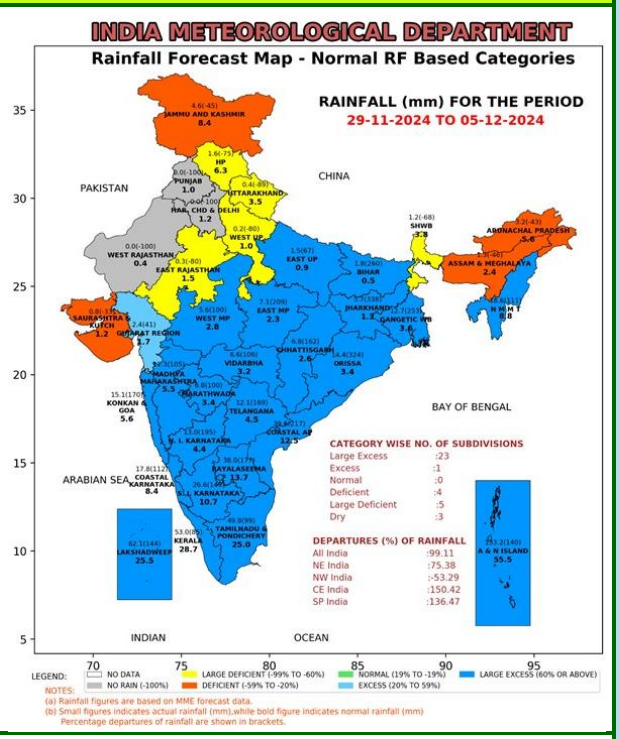
(07th to 20th November,2024)



Extended Range Forecast System

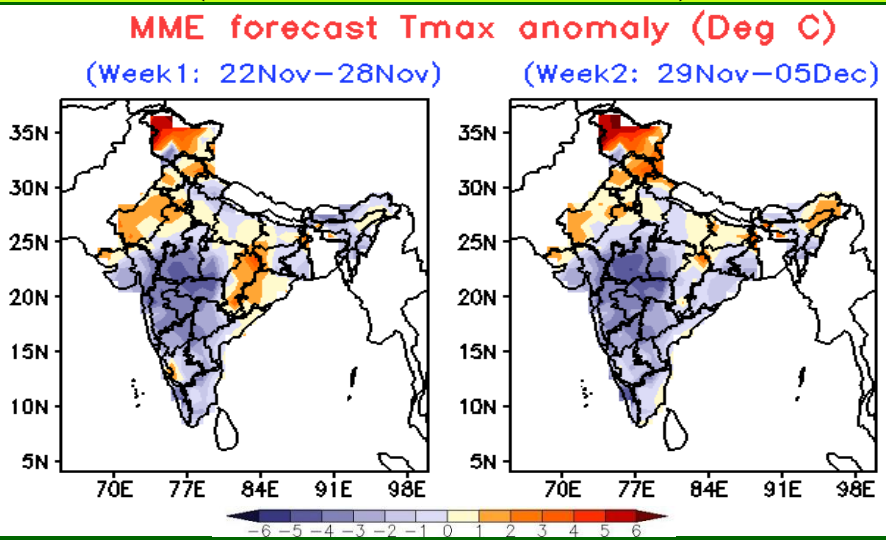
Rainfall forecast maps for the next 2 weeks (IC- 20th November, 2024) (22nd Novemberto 05th December, 2024)





- **Week1 (22.11.2024 to 28.11.2024):**Rainfall is likely to be normal over South India.
- **Week 2 (29.11.2024 to 05.12.2024):**Rainfall is likely over South India,Central India, East India and Nagaland, Manipur, Mizoram & Tripura (NMMT).

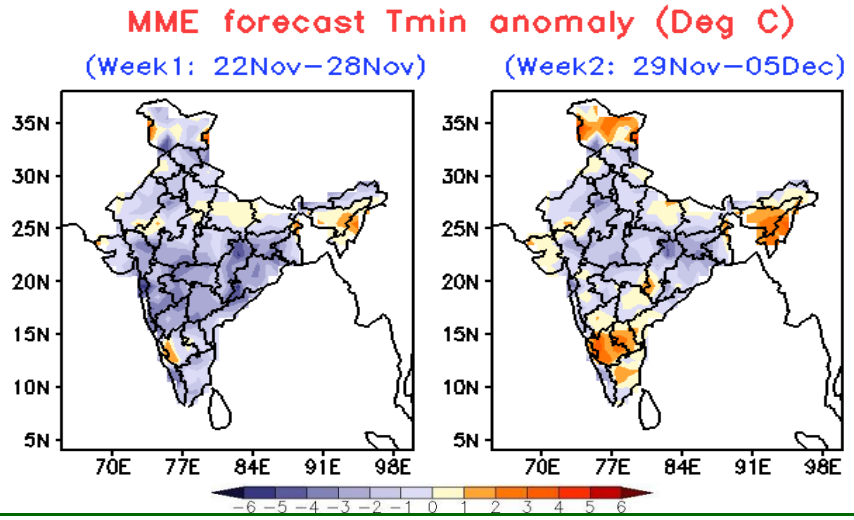
Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 20th November, 2024) (22nd Novemberto 05th December, 2024)



Maximum Temperature (Tmax)

- **Week 1 (22.11.2024 to 28.11.2024):**Maximum temperature is likely to be above normal over Jammu & Kashmir, Punjab, Himachal Pradesh, West Rajasthan and Chhattisgarh. It is likely to be below normal over Central India, West India and South India.
- **Week 2 (29.11.2024 to 05.12.2024):**Maximum temperature is likely to be above normal over Jammu & Kashmir, Himachal Pradesh, Punjab, West Rajasthan and Arunachal Pradesh. It is likely to be below normal over Central India, West India, South India and

some parts of East India.



Minimum Temperature (Tmin)

- **Week 1 (22.11.2024 to 28.11.2024):** Minimum temperature is likely to be below normal over most parts of the country.
- **Week 2 (29.11.2024 to 05.12.2024):** Minimum temperature is likely to be below normal over many parts of Northwest India, Central India and some parts of East India. It is likely to be above normal over Jammu & Kashmir, Northeast India, many parts of West India and South India.