

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



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



Date: 10-10-2024

AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	08.10.2024	09.10.2024	10.10.2024
Rainfall (mm)	1.4	0.8	0
Max. Temp. (°C)	31	31	31
Min. Temp. (°C)	-	-	-
Sky condition (Octas)	8	4	3
Relative humidity (%) 0830 hours	85	84	78
Relative humidity (%) 1730 hours	66	88	80
Wind Speed (km/h)	2	2	2
Wind Direction	50	50	230

Weather forecast for the next five days (From 11-10-2024 to 15-10-2024)

Parameter	11.10.2024	12.10.2024	13.10.2024	14.10.2024	15.10.2024
Rainfall (mm)	28	23	35	23	33
Max. temp (°C)	30.6	29.6	31.8	30.7	33.1
Min.Temp (°C)	16.3	17.3	16.7	17	17.2
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	96	96	96	95	95
Relative humidity (%) 1730 hours	69	70	68	72	66
Wind Speed (kmph)	9	7	6	5	6
Wind Direction	234	245	240	270	248

Forecast Summary

As forecast received from IMD, partially cloudy sky with moderate rainfall may be expected from 11.10.2024 to 15.10.2024 in Mysuru district. The day temperature is expected to be 29.6-31.8°C & night temperature is expected 16.3-17.3°C. The relative humidity in the morning hours is expected to be 95-96% & afternoon relative humidity is expected to be in the range of 66-72%. Wind speed expected to be 5-9 km/hr.

Recommendations to the farmers:			
Crop	Pest/Disease	Damage symptoms	Control measures
General Advisory:			
<ul style="list-style-type: none"> • With consistent rainfall forecasted, ensure all fields have adequate drainage systems to prevent waterlogging, which can lead to crop diseases. • Regularly monitor crops for disease outbreaks due to high humidity and wet conditions, particularly in fruit and vegetable crops. 			
Crops and varieties that can be grown in the month of October			
Finger millet : Indaf-7, Indaf-9, KMR-301, GPU-45 Rabi Maize : M-35-1, Nose (5-4-1), CSH-10 Paddy : MSN-99 Maize : Hema, Nityashree, MAH-14-5 Popcorn : Amber Sunflower: KBSH-41, KBSH-42, KBSH-44, KBSH53, KBSH-78, KBSH-85 Soybean: MAUS-2 (Praja), Karune (Vegetable Soybean), KBS-23, KBSH-85 Niger: KBN-1, No-71 Safflower: Annigere-1, NARI-6, A-2 Field bean: HA-3, 4 Chickpea: Annigere-1, JG-11, Vishal, KAK-2 Sugarcane: Co-62175, Co-86032 (Nayana), CoVC-99463 (Vishal), Co-8371 (Bhima), VCF-0517 (Bahubali), CoVC-18061 Amaranthus: KBGA-15 Horticulture Crops: Grapes, Banana, Arecanut, Garlic, Garden pea, Carrot, Tomato, Potato, Brinjal, Chilli, Cauliflower, Radish, cabbage, Knol Khol Fodder crops: Maize : African Tall Maize: MP Chari, Pusachari, JS-3, GS-20, COFS-29 Bajra: Dhina Bandhu- 49A Cowpea: KBC-2, Lucerne: RL-88			

Weather based advisory		
Crop	Stage	Advisory
Maize	Tasseling	<ul style="list-style-type: none"> - Due to forecasted rainfall, avoid irrigation. - Maintain field drainage to prevent waterlogging. - Monitor for fall armyworm attacks.
Paddy	Stem elongation	<ul style="list-style-type: none"> - Ensure proper drainage to avoid standing water. - Apply nitrogen fertilizers if not already done. - Watch for sheath blight and plan protection.
Chilli	Fruit development stage	<ul style="list-style-type: none"> - Ensure good drainage in the fields to avoid waterlogging. - Monitor for fruit rot and viral diseases due to high humidity. - Provide plant support.
Ragi	Tillering stage	<ul style="list-style-type: none"> - Provide drainage to avoid standing water.

		- Light application of fertilizers can be done if there is no heavy rain.
Field bean	Pod initiation	- Maintain soil moisture through light irrigation if needed. - Ensure proper drainage to avoid water stagnation.
Banana	Fruit development stage	- Ensure drainage to avoid water stagnation. - Provide support to plants to prevent lodging. - Apply potassium-based fertilizers for fruit quality.
Turmeric, Ginger	Rhizome development stage	- Avoid waterlogging by ensuring proper drainage. - Apply organic mulching to conserve soil moisture. - Monitor for rhizome rot and take action.
Black pepper	Berry development stage	- Ensure proper drainage to avoid root rot. - Maintain humidity around the plants but avoid waterlogging.
Coffee	Berry development stage	- Avoid water stagnation in the plantation area. - Mulching can be applied to conserve soil moisture.
Horticultural crops	Various stages	- Provide staking or other support systems to fruit trees and crops to avoid lodging. - Avoid excess watering due to forecasted rainfall.
Livestock	Shelter and Feeding	- Keep animals in well-ventilated shelters, avoiding overcrowding. - Ensure dry bedding for animals. - Store fodder in dry places.
Sericulture	Rearing stage	- Maintain ideal temperature (24-28°C) and humidity levels (70-80%) in rearing rooms. - Protect silkworms from excess moisture and strong winds.

Recommendation to farmers		
Crop specific advisory:		
Crop	Stage	Advisory
Paddy Leaf folder	Vegetative 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 leaf and neck blast	Vegetative stage	> Seed treatment: Treat the seeds @ 4 g. Carbendazim 50 WP. or Tricyclazole 75 WP. @ 0.6 g./kg. seed. Nursery spray > When seedlings are 10 -12 days old spray any one of the following fungicides to a lit. water. a) Carbendazim 50 WP. - 1.0 g. b) Tricyclazole 75 WP. - 0.6 g. c) Edifenphos 50 EC. - 1.0 ml. d) Kitazin 48 EC. - 1.0 ml. 20 - 25 days after transplanting if disease incidence above 5 per cent sprays any one fungicide mention above. If necessary spray at flowering stage. 200 - 300 lits. spray solution/acre.

Paddy Bacterial leaf blight	Vegetative 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.
Coconut black headed caterpillar	Various stages	<ul style="list-style-type: none"> Remove and burn the severely affected fronds. On community basis feed the Monocrotophos 36 SL. to the palm through root. <p>Method: A meter away from trunk, dig out and select brown coloured pencil thickness size root. Cut the root in a slanting position. To the polythene bag (size of 15 cm. length 4 cm. breadth) add 7.5 to 10 ml. Monocrotophos 36 SL. with equal quantity of water, introduce and immerse cut end of the root in insecticide mixture and tie the bag with thread.</p> <ul style="list-style-type: none"> The palm absorb the chemical within a period of 24 hours, if not after 48 hours select another root to feed the chemical. A month after chemical treatment release larval parasites: gravid, Goniozus@ 10 - 12 /palm. <p>Caution: Not to harvest tender coconuts/matured coconuts for 30 days from date of chemical treatment.</p>
Ginger Rhizome rot	Rhizome development 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.
Pepper Quick wilt and black rot disease	Berry development stage	<p>Drench 10 lit. fungicide mixture/vine viz., 0.125 per cent Metalaxyl - MZ 72Wdiv.</p> <p>OR</p> <p>2 per cent Copper oxychloride 50 Wdiv.</p> <p>Spray any one of the following fungicide in the month of August - September.</p> <p>Fungicides</p> <p>a)1% Boardeaux mixture + 3 % Potassium phosphonate</p> <p>b)1% Pseudomonas fluroscence.</p> <p>Incorporate Trichogramma (50 g) enriched compost (5 kg.) to the base of the vine.</p>

Block level weather forecast (From 11-10-2024 to 15-10-2024)

H.D. Kote					
Parameter	11.10.2024	12.10.2024	13.10.2024	14.10.2024	15.10.2024
Rainfall (mm)	7.1	2.9	13.4	4.5	25.8
Max. temp (°C)	26.3	26.4	28.3	26.9	28.8
Min.Temp (°C)	18.7	19.7	19.5	19.1	19.9
Sky condition (Octas)	8	8	8	8	7
Relative humidity (%) 0830 hours	96	97	97	97	95
Relative humidity (%) 1730 hours	68	68	64	68	64

Wind Speed (kmph)	11	9	8	6	8
Wind Direction	238	248	245	253	249

Hunsuru

Parameter	11.10.2024	12.10.2024	13.10.2024	14.10.2024	15.10.2024
Rainfall (mm)	7	2.2	22.2	6.7	24.1
Max. temp (°C)	27.6	27.5	28.8	27.2	29.6
Min.Temp (°C)	18.7	19.6	19.7	19.1	20.1
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	96	96	95	95	94
Relative humidity (%) 1730 hours	68	68	64	70	62
Wind Speed (kmph)	10	9	8	6	7
Wind Direction	214	245	242	255	281

K.R. Nagara

Parameter	11.10.2024	12.10.2024	13.10.2024	14.10.2024	15.10.2024
Rainfall (mm)	8.6	1.3	27.9	10.6	23.9
Max. temp (°C)	28.1	28.1	28.9	27.2	29.6
Min.Temp (°C)	18.4	19.4	19.7	19.2	20.1
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	96	95	94	93	92
Relative humidity (%) 1730 hours	67	68	64	69	63
Wind Speed (kmph)	11	9	7	6	6
Wind Direction	214	245	245	281	324

Mysuru

Parameter	11.10.2024	12.10.2024	13.10.2024	14.10.2024	15.10.2024
Rainfall (mm)	12.5	3.9	29.3	15.5	30.4
Max. temp (°C)	27.1	26.9	27.7	26.3	27.5
Min.Temp (°C)	17.5	18.6	18.9	18.7	19.4
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	95	96	95	95	93
Relative humidity (%) 1730 hours	66	67	66	70	64

Wind Speed (kmph)	11	9	8	6	7
Wind Direction	245	245	245	251	261

Nanjanagudu					
Parameter	11.10.2024	12.10.2024	13.10.2024	14.10.2024	15.10.2024
Rainfall (mm)	13.7	4	19.1	11.4	21.2
Max. temp (°C)	26.2	25.6	26.2	25.3	26.4
Min.Temp (°C)	16.9	17.9	17.8	17.7	18.3
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	94	95	95	95	93
Relative humidity (%) 1730 hours	62	65	64	68	62
Wind Speed (kmph)	10	8	8	6	8
Wind Direction	245	248	248	248	257

Piriapatna					
Parameter	11.10.2024	12.10.2024	13.10.2024	14.10.2024	15.10.2024
Rainfall (mm)	5.3	4.3	26.4	3.2	22.9
Max. temp (°C)	27.7	27.6	29.2	27.5	30.4
Min.Temp (°C)	19	19.7	19.8	19.1	20.1
Sky condition (Octas)	8	8	8	8	7
Relative humidity (%) 0830 hours	97	97	96	96	94
Relative humidity (%) 1730 hours	70	69	65	70	60
Wind Speed (kmph)	10	8	7	6	7
Wind Direction	214	245	245	270	289

T. Narasipura					
Parameter	11.10.2024	12.10.2024	13.10.2024	14.10.2024	15.10.2024
Rainfall (mm)	14.5	6.7	23.8	10.1	19.1
Max. temp (°C)	28.2	27.1	27.2	26.1	26.8
Min.Temp (°C)	17.9	18.9	19	18.7	19.2
Sky condition (Octas)	8	8	8	8	8
Relative humidity (%) 0830 hours	94	95	94	94	93
Relative humidity (%) 1730 hours	58	61	67	67	64

Wind Speed (kmph)	8	7	6	6	6
Wind Direction	245	248	248	248	250

- 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

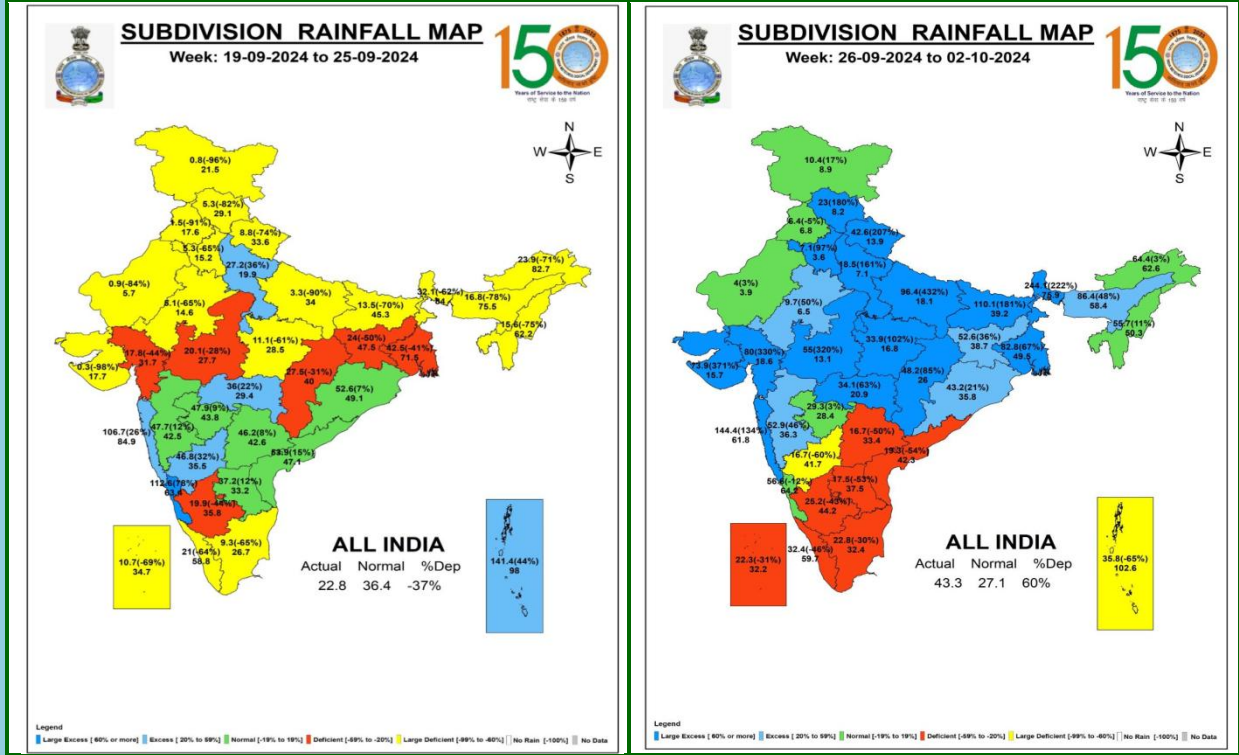
For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Technical officer over phone No. 0821-259126/ 9535345814.

**AMFU of IMD,
Naganahalli, Mysuru**

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

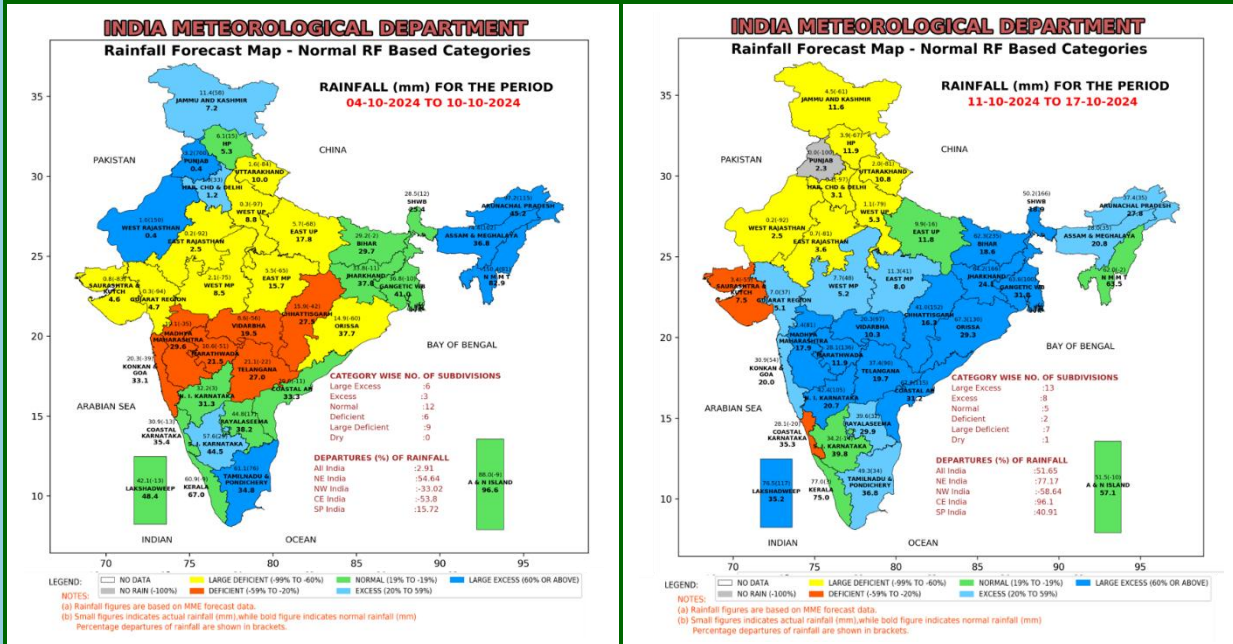
Realized Rainfall

(19th September to 02nd October, 2024)



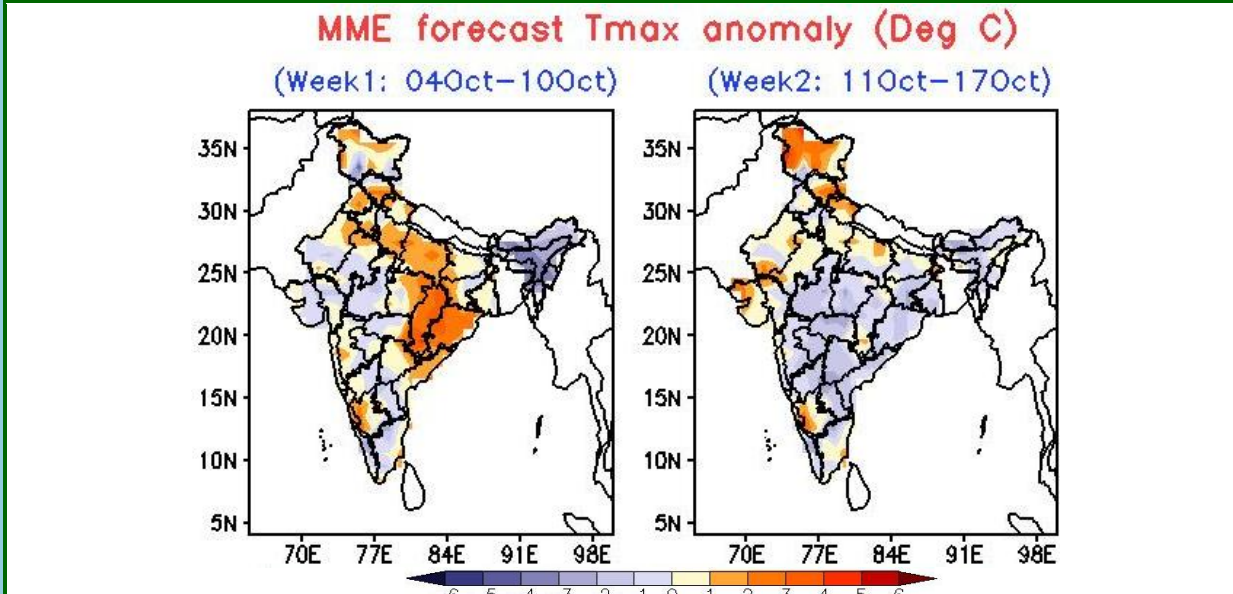
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 02nd October, 2024) (04th to 17th October, 2024)



- **Week1 (04.10.2024 to 10.10.2024):** Rainfall is likely to be above normal over Northeast India and South India.
- **Week 2 (11.10.2024 to 17.10.2024):** Rainfall is likely to be above normal over East India, Chhattisgarh, Coastal Andhra Pradesh, Telangana, Madhya Maharashtra, Marathwada and North Interior Karnataka.

Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 02nd October, 2024) (04th to 17th October, 2024)

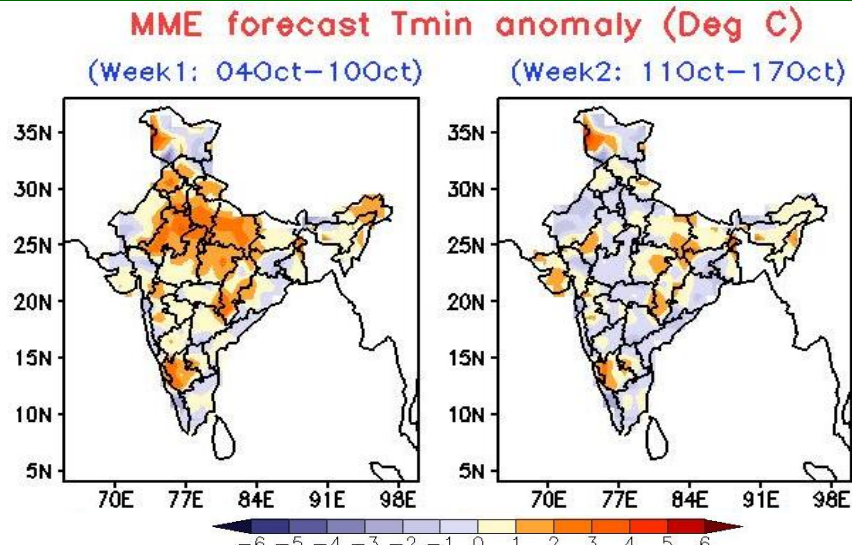


Maximum Temperature (Tmax)

- **Week 1 (04.10.2024 to 10.10.2024):** Maximum temperature is likely to be above normal

over Odisha, Chhattisgarh, many parts of Northwest India, Karnataka and Coastal Andhra Pradesh.

- **Week 2 (11.10.2024 to 17.10.2024):** Maximum temperature is likely to be above normal over North India and parts of Rajasthan, Gujarat and Karnataka. It is likely to be below normal over Central and East India.



Minimum Temperature (Tmin)

- **Week 1 (04.10.2024 to 10.10.2024):** Tmin is likely to be above normal over most parts of the Country.
- **Week 2 (11.10.2024 to 17.10.2024):** Tmin is likely to be above normal over Northeast India, Bihar, East Uttar Pradesh, Karnataka and Saurashtra & Kutch.