

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



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Date: 04-10-2024

AGRO-ADVISORY BULLETIN FOR CHAMARAJANAGARA DISTRICT

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

Past Weather Data

Parameter	02.10.2024	03.10.2024	04.10.2024
Rainfall (mm)	0	22.5	4.5
Max. Temp. (°C)	34.5	35.2	31.3
Min. Temp. (°C)	20.5	20.7	21.8
Sky condition (Octas)	-	-	-
Relative humidity (%) 0830 hours	93	98	100
Relative humidity (%) 1730 hours	53	81	65
Wind Speed (km/h)	-	-	-
Wind Direction	-	-	-

Weather forecast for the next five days (From 05-10-2024 to 09-10-2024)

Parameter	05.10.2024	06.10.2024	07.10.2024	08.10.2024	09.10.2024
Rainfall (mm)	88	52	75	42	74
Max. Temp. (°C)	34.7	31.9	32	30.4	33.4
Min. Temp. (°C)	17.6	17.2	17	17.1	17.4
Sky condition (Octas)	8	8	8	7	7
Relative humidity (%) 0830 hours	90	92	92	94	93
Relative humidity (%) 1730 hours	57	66	67	69	68
Wind Speed (kmph)	8	5	6	5	6
Wind Direction	283	279	248	201	246

Forecast Summary

As forecast received from IMD, partially cloudy sky with moderate to heavy rainfall may be expected from 05.10.2024 to 09.10.2024 in Chamarajanagara district. The day temperature is expected to be 30.4-34.7°C & night temperature is expected 17-17.6 °C. The relative humidity in the morning hours is expected to be 90-94% & afternoon relative humidity is expected to be in the range of 57-69%. Wind speed expected to be 5-8 km/ hr.

Recommendations to the farmers:			
Crop	Pest/Disease	Damage symptoms	Control measures
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			

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 fluorescense.</p> <p>Incorporate Trichogramma (50 g) enriched compost (5 kg.) to the base of the vine.</p>

Weather based advisory

Crop	Stage	Advisory
Maize	Vegetative stage	<ul style="list-style-type: none"> - Ensure proper drainage to prevent waterlogging. - Apply Metalaxyl for downy mildew control. - Apply urea after rain for proper growth.
Paddy	Vegetative	<ul style="list-style-type: none"> - Improve drainage. - Apply Tricyclazole for blast control. - Manage bacterial leaf blight using Copper oxychloride or Streptomycin.
Chilli	Fruit development stage	<ul style="list-style-type: none"> - Apply Copper oxychloride for fruit rot control. - Regularly monitor for pests and diseases. - Ensure proper drainage and remove diseased fruits.
Ragi	Tillering stage	<ul style="list-style-type: none"> - Apply Carbendazim or Mancozeb for fungal disease control. - Enhance drainage to prevent waterlogging. - Ensure regular weed control.
Field bean	Pod initiation	<ul style="list-style-type: none"> - Improve drainage. - Apply Mancozeb for root rot. - Monitor aphid infestations and spray neem oil or insecticides.
Banana	Fruit development	<ul style="list-style-type: none"> - Prune infected leaves and apply Copper fungicides. - Stake plants to prevent lodging.

	stage	- Regular inspection for pest infestations.
Turmeric, Ginger	Rhizome development stage	- Ensure good drainage to prevent waterlogging. - Apply Carbendazim for rhizome rot. - Mulch plants to conserve moisture and control weeds.
Black pepper	Berry development stage	- Apply Copper oxychloride for anthracnose. - Ensure proper drainage. - Stake vines and provide adequate nutrients.
Coffee	Berry development stage	- Apply Copper-based fungicides for rust control. - Improve drainage to avoid waterlogging. - Regularly monitor for pests such as berry borers.
Horticultural crops	Various stages	- Improve drainage to avoid waterlogging. - Apply appropriate fungicides (like Copper oxychloride or Mancozeb) for disease control. - Ensure staking and plant support.
Livestock	Shelter and Feeding	- Keep livestock in dry shelters. - Provide clean, dry bedding. - Ensure regular deworming and vaccination.
Sericulture	Rearing Stage	- Ensure proper ventilation in rearing houses. - Maintain optimal humidity levels. - Regularly clean and disinfect the rearing environment.

Block level weather forecast (From 05-10-2024 to 09-10-2024)

Chamarajanagara

Parameter	05.10.2024	06.10.2024	07.10.2024	08.10.2024	09.10.2024
Rainfall (mm)	1.5	8.6	22.8	11.4	16.5
Max. temp (°C)	25.9	23.8	23.9	23.5	24.1
Min.Temp (°C)	18.2	18.1	17.8	17.8	18.2
Sky condition (Octas)	8	8	7	7	7
Relative humidity (%) 0830 hours	87	88	89	90	91
Relative humidity (%) 1730 hours	47	59	58	56	63
Wind Speed (kmph)	9	6	6	6	7
Wind Direction	293	281	251	212	248

Gundlupete

Parameter	05.10.2024	06.10.2024	07.10.2024	08.10.2024	09.10.2024
Rainfall (mm)	3.5	13.7	18.2	12.2	14.5
Max. temp (°C)	26.6	24.3	23.7	23.9	24
Min.Temp (°C)	18.1	17.9	17.8	18	18.1
Sky condition (Octas)	8	8	7	7	7
Relative humidity (%) 0830 hours	90	90	90	91	92
Relative humidity (%) 1730 hours	49	58	61	58	63
Wind Speed (kmph)	10	6	8	6	8
Wind Direction	252	257	238	225	248

Kollegala

Parameter	05.10.2024	06.10.2024	07.10.2024	08.10.2024	09.10.2024
Rainfall (mm)	14.9	21.3	27.8	17.2	20.3
Max. temp (°C)	27.5	24.8	26	25.8	26.8
Min.Temp (°C)	19.9	19.8	18.9	19.2	19.8
Sky condition (Octas)	8	8	7	7	7
Relative humidity (%) 0830 hours	91	91	92	92	93
Relative humidity (%) 1730 hours	56	70	66	62	62
Wind Speed (kmph)	8	6	6	5	7
Wind Direction	257	290	249	234	248

Yelandur

Parameter	05.10.2024	06.10.2024	07.10.2024	08.10.2024	09.10.2024
Rainfall (mm)	8.3	16.7	27	14.5	19.1
Max. temp (°C)	26.4	23.9	24.5	24.5	25
Min.Temp (°C)	18.8	18.6	17.9	18.1	18.6
Sky condition (Octas)	8	8	7	7	7
Relative humidity (%) 0830 hours	89	90	91	91	92
Relative humidity (%) 1730 hours	52	65	63	59	63
Wind Speed (kmph)	9	6	6	6	7
Wind Direction	257	285	249	214	248

Hanur

Parameter	05.10.2024	06.10.2024	07.10.2024	08.10.2024	09.10.2024
Rainfall (mm)	25.2	30	40.6	21.6	33.1
Max. temp (°C)	27.9	25.5	26.3	25.1	26.8
Min.Temp (°C)	20	20.2	19.5	19.4	20.1
Sky condition (Octas)	8	8	8	7	7
Relative humidity (%) 0830 hours	94	94	95	94	95
Relative humidity (%) 1730 hours	65	77	72	73	71
Wind Speed (kmph)	7	5	4	5	5
Wind Direction	293	287	251	234	249

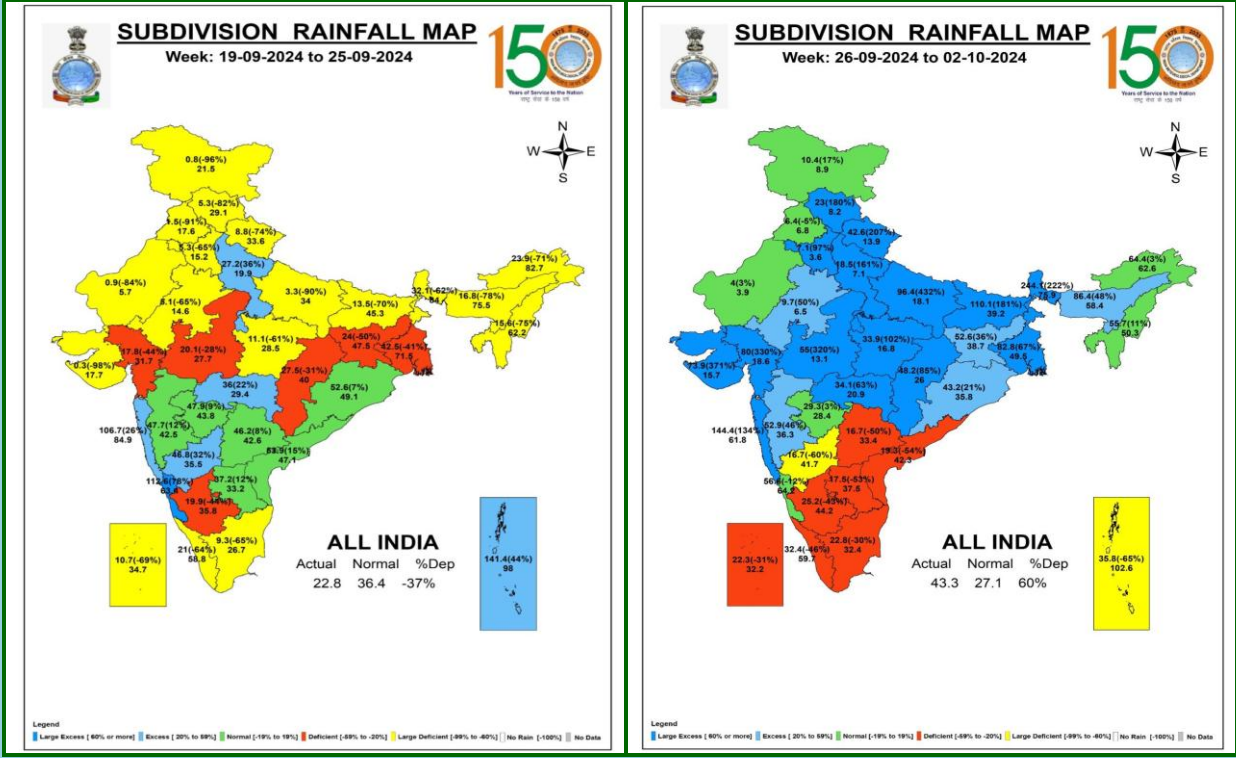
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download”**MAUSAM**” APP for location specific forecast & warning &“**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: mausam.imd.gov.in

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**

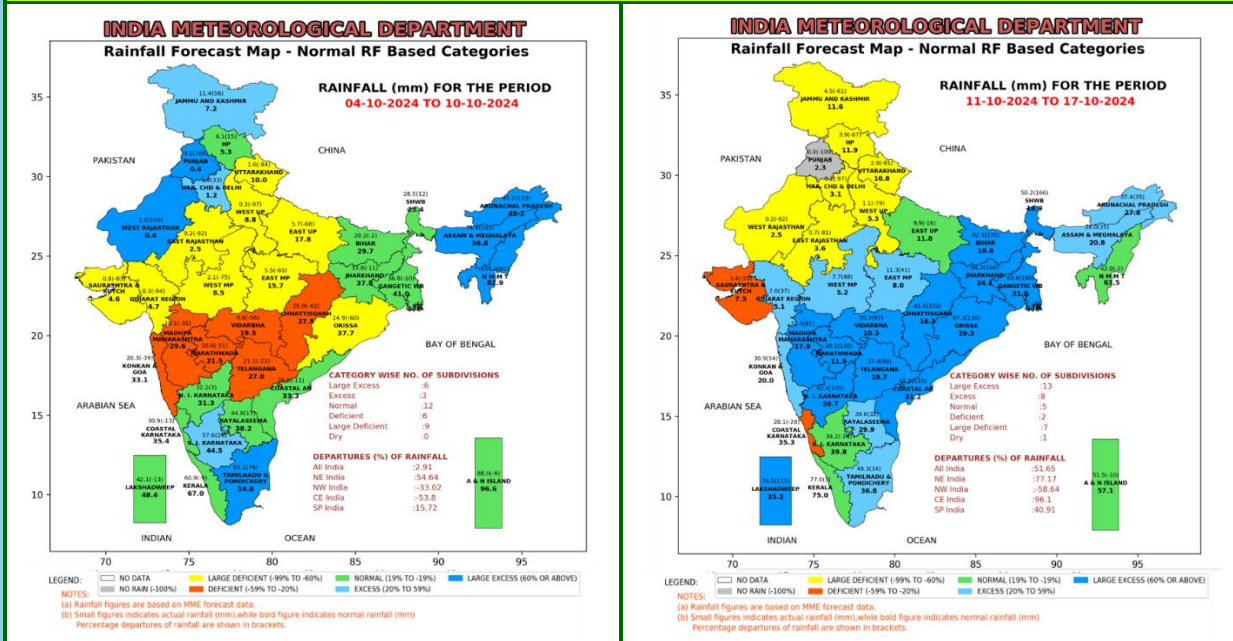
वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान
Realized Rainfall and Extended Range Forecast
 (वर्षा और तापमान)
 (Rainfall and Temperature)

Realized Rainfall
 (19th September to 02nd October, 2024)



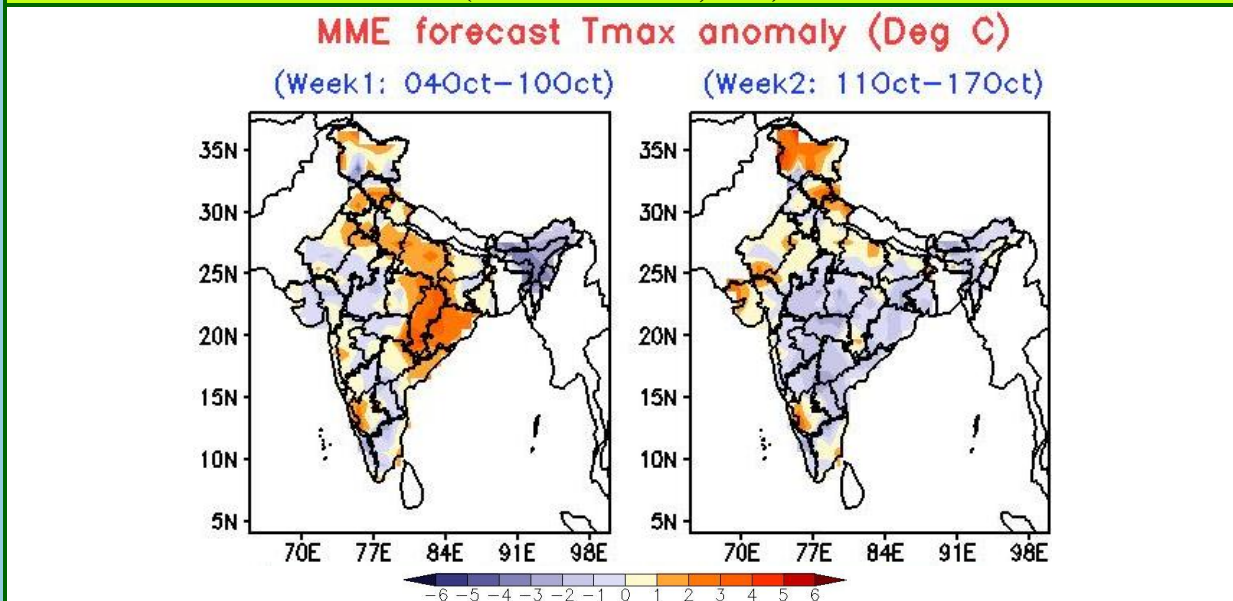
Extended Range Forecast System

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.

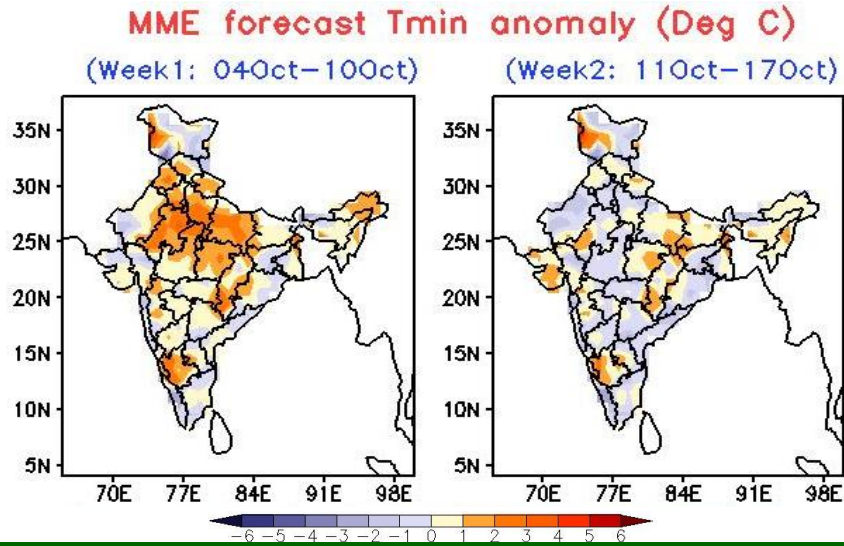
Maximum and Minimum temperature anomaly (°C) forecast for the next 2 weeks (IC- 02nd October, 2024) (04th to 17th October, 2024)



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.