

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



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



Date: 04-10-2024

**AGRO-ADVISORY BULLETIN FOR KODAGU DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Past Weather Data**

<b>Parameter</b>	<b>02.10.2024</b>	<b>03.10.2024</b>	<b>04.10.2024</b>
<b>Rainfall (mm)</b>	0	0	0
<b>Max. Temp. (°C)</b>	31.5	29.7	30
<b>Min. Temp. (°C)</b>	20.4	21.7	20.2
<b>Sky condition (Octas)</b>	-	-	-
<b>Relative humidity (%) 0830 hours</b>	100	97	85
<b>Relative humidity (%) 1730 hours</b>	92	75	85
<b>Wind Speed (km/h)</b>	-	-	-
<b>Wind Direction</b>	-	-	-

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

<b>Parameter</b>	<b>05.10.2024</b>	<b>06.10.2024</b>	<b>07.10.2024</b>	<b>08.10.2024</b>	<b>09.10.2024</b>
<b>Rainfall (mm)</b>	37	55	73	76	32
<b>Max. Temp. (°C)</b>	31	31.4	31.1	32.7	31.1
<b>Min. Temp. (°C)</b>	19.7	18.2	19.4	19.4	19.7
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	95	95	96	97	95
<b>Relative humidity (%) 1730 hours</b>	62	75	66	70	77
<b>Wind Speed (kmph)</b>	6	4	5	4	5
<b>Wind Direction</b>	225	216	234	234	234

**Forecast Summary**

As forecast received from IMD, cloudy sky with **moderate to heavy rainfall** may be expected from 05.10.2024 to 09.10.2024 in Kodagu district. The day temperature is expected to be 31-32.7°C & night temperature is expected 18.2-19.7°C. The relative humidity in the morning hours is expected to be 95-97% & afternoon relative humidity is expected to be in the range of 62-77%. Wind speed expected to be 5-6 km/ hr.

Recommendation to farmers		
Crop specific advisory:		
Crop	Stage	Advisory
<b>Paddy Leaf folder</b>	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.
<b>Paddy leaf and neck blast</b>	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.
<b>Paddy Bacterial leaf blight</b>	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.
<b>Coconut black headed caterpillar</b>	Various stages	<ul style="list-style-type: none"> <li>Remove and burn the severely affected fronds.</li> <li>On community basis feed the Monocrotophos 36 SL. to the palm through root.</li> </ul> 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. <ul style="list-style-type: none"> <li>The palm absorb the chemical within a period of 24 hours, if not after 48 hours select another root to feed the chemical.</li> <li>A month after chemical treatment release larval parasites: gravid, Goniozus@ 10 - 12 /palm.</li> </ul> Caution: Not to harvest tender coconuts/matured coconuts for 30 days from date of chemical treatment.
<b>Ginger Rhizome rot</b>	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.
<b>Pepper Quick wilt and black rot disease</b>	Berry development stage	Drench 10 lit. fungicide mixture/vine viz., 0.125 per cent Metalaxyl - MZ 72Wdiv. OR 2 per cent Copper oxychloride 50 Wdiv. Spray any one of the following fungicide in the month of August - September. Fungicides

		<p>a)1% Boardeaux mixture + 3 % Potassium phosphonate  b)1% Pseudomonas fluorescens.  Incorporate Trichogramma (50 g) enriched compost (5 kg.) to the base of the vine.</p>
<b>Weather based advisory</b>		
<b>Crop</b>	<b>Stage</b>	<b>Advisory</b>
<b>Maize</b>	<b>Vegetative stage</b>	<ul style="list-style-type: none"> <li>- Ensure proper drainage to prevent waterlogging.</li> <li>- Apply <b>Metalaxyl</b> for downy mildew control.</li> <li>- Apply urea after rain for proper growth.</li> </ul>
<b>Paddy</b>	<b>Vegetative</b>	<ul style="list-style-type: none"> <li>- Improve drainage.</li> <li>- Apply <b>Tricyclazole</b> for blast control.</li> <li>- Manage bacterial leaf blight using <b>Copper oxychloride</b> or <b>Streptomycin</b>.</li> </ul>
<b>Chilli</b>	<b>Fruit development stage</b>	<ul style="list-style-type: none"> <li>- Apply <b>Copper oxychloride</b> for fruit rot control.</li> <li>- Regularly monitor for pests and diseases.</li> <li>- Ensure proper drainage and remove diseased fruits.</li> </ul>
<b>Ragi</b>	<b>Tillering stage</b>	<ul style="list-style-type: none"> <li>- Apply <b>Carbendazim</b> or <b>Mancozeb</b> for fungal disease control.</li> <li>- Enhance drainage to prevent waterlogging.</li> <li>- Ensure regular weed control.</li> </ul>
<b>Field bean</b>	<b>Pod initiation</b>	<ul style="list-style-type: none"> <li>- Improve drainage.</li> <li>- Apply <b>Mancozeb</b> for root rot.</li> <li>- Monitor aphid infestations and spray neem oil or insecticides.</li> </ul>
<b>Banana</b>	<b>Fruit development stage</b>	<ul style="list-style-type: none"> <li>- Prune infected leaves and apply <b>Copper fungicides</b>.</li> <li>- Stake plants to prevent lodging.</li> <li>- Regular inspection for pest infestations.</li> </ul>
<b>Turmeric, Ginger</b>	<b>Rhizome development stage</b>	<ul style="list-style-type: none"> <li>- Ensure good drainage to prevent waterlogging.</li> <li>- Apply <b>Carbendazim</b> for rhizome rot.</li> <li>- Mulch plants to conserve moisture and control weeds.</li> </ul>
<b>Black pepper</b>	<b>Berry development stage</b>	<ul style="list-style-type: none"> <li>- Apply <b>Copper oxychloride</b> for anthracnose.</li> <li>- Ensure proper drainage.</li> <li>- Stake vines and provide adequate nutrients.</li> </ul>
<b>Coffee</b>	<b>Berry development stage</b>	<ul style="list-style-type: none"> <li>- Apply <b>Copper-based fungicides</b> for rust control.</li> <li>- Improve drainage to avoid waterlogging.</li> <li>- Regularly monitor for pests such as berry borers.</li> </ul>
<b>Horticultural crops</b>	<b>Various stages</b>	<ul style="list-style-type: none"> <li>- Improve drainage to avoid waterlogging.</li> <li>- Apply appropriate fungicides (like <b>Copper oxychloride</b> or <b>Mancozeb</b>) for disease control.</li> <li>- Ensure staking and plant support.</li> </ul>
<b>Livestock</b>	<b>Shelter and Feeding</b>	<ul style="list-style-type: none"> <li>- Keep livestock in dry shelters.</li> <li>- Provide clean, dry bedding.</li> <li>- Ensure regular deworming and vaccination.</li> </ul>
<b>Sericulture</b>	<b>Rearing Stage</b>	<ul style="list-style-type: none"> <li>- Ensure proper ventilation in rearing houses.</li> <li>- Maintain optimal humidity levels.</li> <li>- Regularly clean and disinfect the rearing environment.</li> </ul>

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

<b>Parameter</b>	<b>05.10.2024</b>	<b>06.10.2024</b>	<b>07.10.2024</b>	<b>08.10.2024</b>	<b>09.10.2024</b>
<b>Rainfall (mm)</b>	23.8	33.7	61.8	69.9	28.8
<b>Max. temp (°C)</b>	29	25.8	27.6	27.6	26.5
<b>Min.Temp (°C)</b>	22.1	21.1	21.5	21.6	21.9
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	99	99	99	99	99
<b>Relative humidity (%) 1730 hours</b>	74	90	82	84	90
<b>Wind Speed (kmph)</b>	4	2	4	3	3
<b>Wind Direction</b>	279	257	261	270	249

**Somvarpet**

<b>Parameter</b>	<b>05.10.2024</b>	<b>06.10.2024</b>	<b>07.10.2024</b>	<b>08.10.2024</b>	<b>09.10.2024</b>
<b>Rainfall (mm)</b>	17.8	16.6	30.2	48.1	26.3
<b>Max. temp (°C)</b>	28.7	23.1	27.4	26.6	24.8
<b>Min.Temp (°C)</b>	20.6	19.2	20.1	20.1	20.6
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	96	96	97	98	97
<b>Relative humidity (%) 1730 hours</b>	63	86	63	72	87
<b>Wind Speed (kmph)</b>	7	4	7	5	6
<b>Wind Direction</b>	293	291	257	288	252

**Virajpet**

<b>Parameter</b>	<b>05.10.2024</b>	<b>06.10.2024</b>	<b>07.10.2024</b>	<b>08.10.2024</b>	<b>09.10.2024</b>
<b>Rainfall (mm)</b>	12.8	41.1	51	56.9	15.8
<b>Max. temp (°C)</b>	29.7	27.1	28.5	28.1	28.7
<b>Min.Temp (°C)</b>	22.8	22.1	22.6	22.5	22.5
<b>Sky condition (Octas)</b>	8	8	8	8	8
<b>Relative humidity (%) 0830 hours</b>	98	99	98	98	98
<b>Relative humidity (%) 1730 hours</b>	66	80	76	79	82
<b>Wind Speed (kmph)</b>	4	3	4	3	4
<b>Wind Direction</b>	249	252	250	281	248

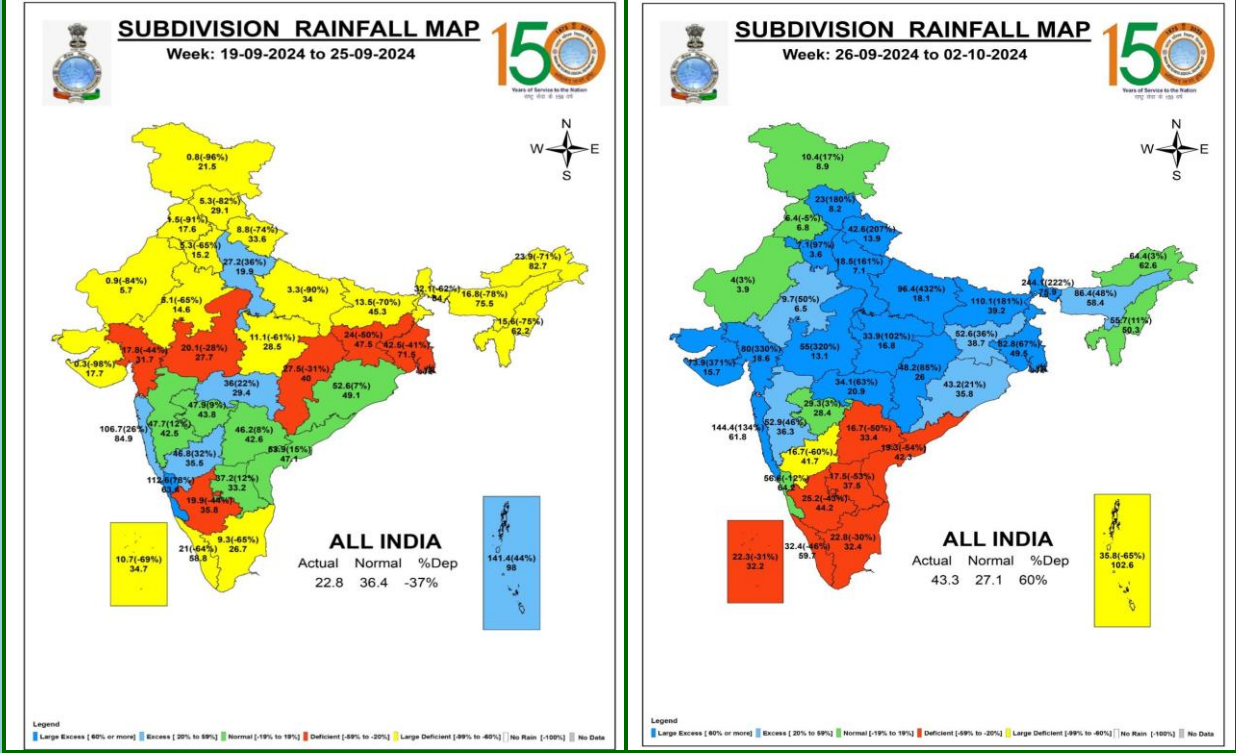
- Download “**DAMINI**” app to get early warning on lightening and take precautions based on the alert given by the application.
- Kindly download “**MAUSAM**” APP for location specific forecast & warning & “**MEGHDOOT**” APP for Agromet advisory
- This information is available in the website: [mausam.imd.gov.in](http://mausam.imd.gov.in)

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

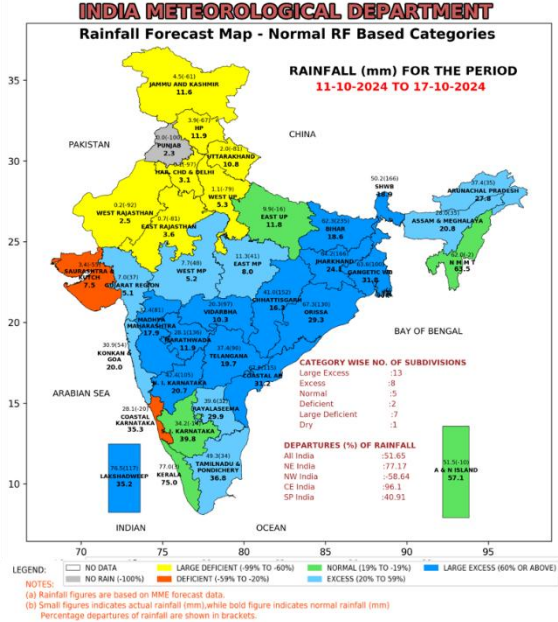
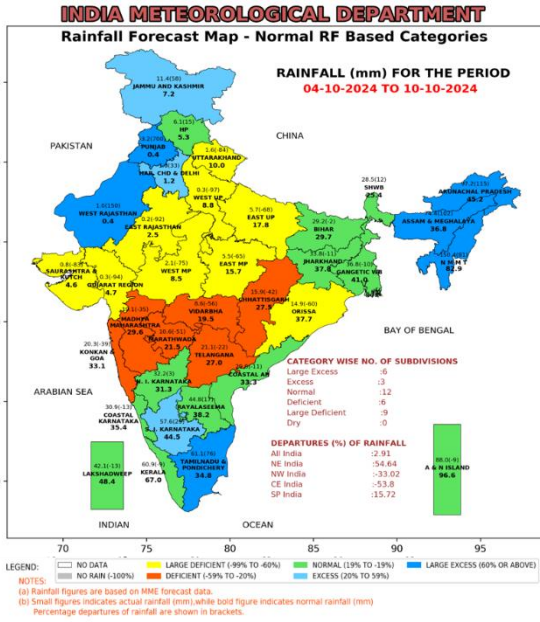
वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान  
**Realized Rainfall and Extended Range Forecast**  
 (वर्षा और तापमान)  
 (Rainfall and Temperature)

**Realized Rainfall**  
 (19<sup>th</sup> September to 02<sup>nd</sup> October, 2024)



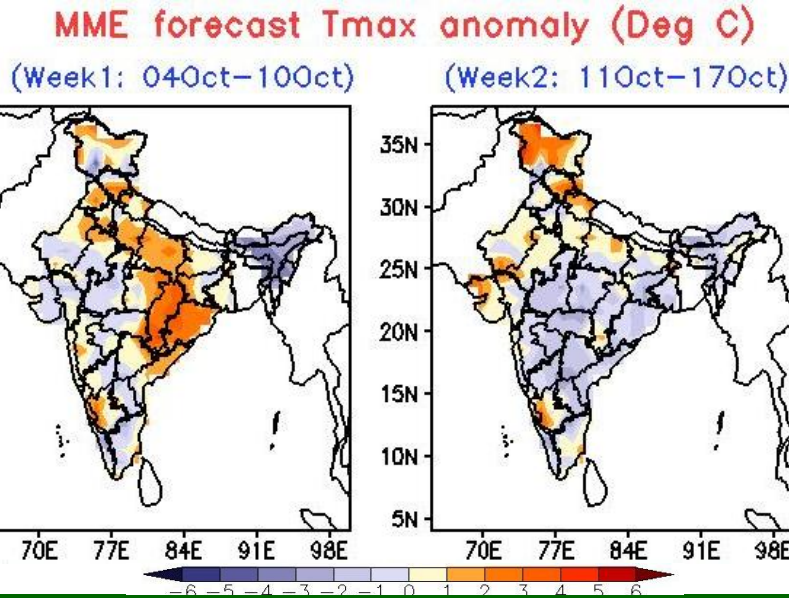
## Extended Range Forecast System

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



- **Week 1 (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- 02<sup>nd</sup> October, 2024) (04<sup>th</sup> to 17<sup>th</sup> October, 2024)

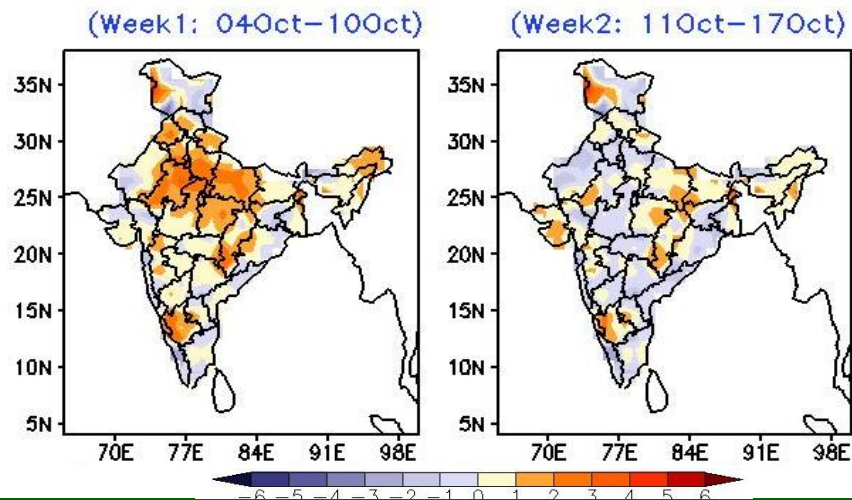


#### Maximum Temperature (Tmax)

- **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.

### MME forecast Tmin anomaly (Deg C)



#### 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.