

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



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



**Date: 24-09-2024**

**AGRO-ADVISORY BULLETIN FOR MYSURU DISTRICT**

Issued jointly by, UAS, Bengaluru & Indian Meteorological Department

**Past Weather Data**

<b>Parameter</b>	<b>21.09.2024</b>	<b>22.09.2024</b>	<b>23.09.2024</b>	<b>24.09.2024</b>
<b>Rainfall (mm)</b>	0	0	0	0
<b>Max. Temp. (°C)</b>	32.3	32.5	33	32.3
<b>Min. Temp. (°C)</b>	-	-	-	-
<b>Sky condition (Octas)</b>	3	1	2	7
<b>Relative humidity (%) 0830 hours</b>	76	64	69	71
<b>Relative humidity (%) 1730 hours</b>	61	55	48	56
<b>Wind Speed (km/h)</b>	4	2	2	4
<b>Wind Direction</b>	230	230	360	230

**Weather forecast for the next five days (From 25-09-2024 to 29-09-2024)**

<b>Parameter</b>	<b>25.09.2024</b>	<b>26.09.2024</b>	<b>27.09.2024</b>	<b>28.09.2024</b>	<b>29.09.2024</b>
<b>Rainfall (mm)</b>	0	0	0	7	12
<b>Max. temp (°C)</b>	31.5	32.6	31.5	31.1	30.8
<b>Min.Temp (°C)</b>	15.6	15.1	15.3	15.6	16.7
<b>Sky condition (Octas)</b>	2	2	6	6	5
<b>Relative humidity (%) 0830 hours</b>	94	94	93	92	93
<b>Relative humidity (%) 1730 hours</b>	50	39	45	52	57
<b>Wind Speed (kmph)</b>	12	13	13	14	16
<b>Wind Direction</b>	248	248	252	249	248

**Forecast Summary**

As forecast received from IMD, partially cloudy sky with **light rainfall** may be expected from 25.09.2024 to 29.09.2024 in Mysuru district. The day temperature is expected to be 30.8-32.6°C & night temperature is expected 15.1-16.7°C. The relative humidity in the morning hours is expected to be 92-94% & afternoon relative humidity is expected to be in the range of 39-57%. Wind speed expected to be 12-16 km/hr.

Recommendations to the farmers:			
Crop	Pest/Disease	Damage symptoms	Control measures
<b>Crops and varieties that can be grown in the month of August</b>			
<b>Finger millet :</b> Indaf-7, Indaf-9, KMR-301, GPU-45, KMR-316 <b>Paddy :</b> MSN-99 <b>Maize :</b> Hema, Nityashree, MAH-14-5 <b>Rabi Maize :</b> M-35-1, Nose (5-4-1), CSH-10 <b>Popcorn :</b> Amber <b>Sunflower:</b> KBSH-41, KBSH-42, KBSH-44, KBSH53, KBSH-78, KBSH-85 <b>Soybean:</b> MAUS-2 (Praja), Karune (Vegetable Soybean), KBS-23 <b>Niger:</b> KBN-1, No-71 <b>Cowpea :</b> TVK-944-02E, KBC-1, KBC-2, KBC-9, IT-98456-1, KM-5, KC-8 (K .BC-11) <b>Horse gram :</b> PHG-9, KBH-1 5209: 2.20-8371, 2.2.A.2-99463 (Vishal), VCF-0517 (Baahubali ), 222-18061 <b>Horticulture Crops:</b> Banana, Arecanut, Pineapple, Cauliflower, Onion <b>Fodder crops:</b> <b>Maize :</b> African Tall; <b>Maize:</b> MP Chari, Pusachari, JS-3, GS-20, COFS-29; <b>Bajra:</b> Dhina Bandhu- 49A; <b>Cowpea:</b> KBC-2			
<b>General recommendations for agricultural activities based on the given rainfall forecast:</b>			
<ul style="list-style-type: none"> <li>✓ Since there is light rainfall and rising temperatures, ensure timely irrigation for all crops, especially those in critical growth stages such as vegetative, flowering, and fruiting.</li> <li>✓ Drip irrigation or furrow irrigation can be employed to minimize water wastage and provide consistent moisture to the crops.</li> <li>✓ Apply organic mulches (like straw or dry leaves) around the base of crops to conserve soil moisture, reduce soil temperature, and prevent weed growth.</li> <li>✓ High temperatures can cause nutrient deficiencies. Monitor the crops and apply fertilizers based on soil testing to ensure healthy growth.</li> <li>✓ Foliar sprays of micronutrients can help alleviate nutrient stress caused by dry conditions.</li> <li>✓ Weed competition for water and nutrients should be minimized. Perform manual or chemical weeding based on the crop type.</li> <li>✓ With dry weather and high temperatures, monitor crops for pest infestations, such as sucking pests (aphids, whiteflies), which thrive in such conditions.</li> <li>✓ Use neem-based bio-pesticides or pheromone traps to control pests, and ensure proper field hygiene to minimize disease occurrence.</li> <li>✓ Use shading nets for heat-sensitive crops, especially vegetables, to reduce temperature stress and protect young plants from direct sunlight.</li> </ul>			
Crop	Stage	Weather-Based Advisory	
<b>Field Bean</b>	Harvesting	- Complete harvesting before rainfall on 28th and 29th Sept. to avoid quality loss.	
<b>Banana</b>	Bunch Development	- Support the plants with props to avoid lodging due to expected winds (up to 17 km/h). - Provide light irrigation until rainfall.	
<b>Paddy</b>	Vegetative	- Ensure proper drainage during rainfall to avoid waterlogging.	

	Stage	- Continue monitoring for pest and disease attacks.
<b>Ragi</b>	Vegetative Stage	- Provide light irrigation until rainfall begins. - Maintain soil moisture and avoid water stress.
<b>Red Gram</b>	Vegetative Stage	- Apply organic mulch to conserve soil moisture. - Light irrigation before the rainfall can support growth.
<b>Papaya</b>	Vegetative Stage	- Support plants with stakes to avoid damage from strong winds. - Mulching around plants to conserve moisture is advisable.
<b>Brinjal</b>	Fruiting Stage	- Harvest mature fruits before 28th Sept. rainfall. - Ensure drainage to prevent fruit rot from excess moisture.
<b>Chilli</b>	Flowering Stage	- Avoid water stress; light irrigation is beneficial before expected rains. - Monitor for flower drop due to fluctuating moisture.
<b>Cotton</b>	Boll Formation	- Avoid waterlogging to prevent boll rot. - Support plants against possible winds on 28th and 29th Sept.
<b>Coconut, Arecanut, Cocoa, Pepper</b>	Various Stages	- Maintain mulch around trees for moisture conservation. - Inspect trees for pest infestations after rains.
<b>Coffee</b>	Berry Development	- Mulch and irrigation management until rainfall begins. - Monitor for berry borer after rainfall events.
<b>Ginger</b>	Harvesting	- If nearing maturity, harvest before the rainfall to avoid rhizome rot. - Dry the harvested crop in a covered area.
<b>Sugarcane</b>	Vegetative Stage	- Continue irrigation till rainfall occurs. - Ensure drainage during heavy rains to prevent root lodging.
<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 Manocrotophos 36 SL. to the palm through root.</li> </ul> <p><b>Method:</b> 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"> <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> <p><b>Caution:</b> Not to harvest tender coconuts/matured coconuts for 30 days from date of chemical treatment.</p>
<b>Papaya mosaic ring spot virus</b>	Fruit development	Nursery may be raised in 40 - 50 mesh nylon netting for a period of 60 days then plant. Around the garden 2 - 3 rows of African tall Maize should be grown on border crodiv. 30 - 40 days prior to papaya planting. Again after 2 months resowing of Maize by the side of previous Maize crodiv. Throughout the papaya cropping period maintain border crop of Maize.

		<p>For control of sucking pests spray Dimethoate - 1.7 ml. /lit. water. Periodical spray is necessary.</p> <p>Note: June - July papaya planting can minimise the disease problem.</p> <p>Select disease free seedlings for planting.</p>
<b>Paddy Leaf folder</b>	Vegetative stage	<p>Apply any one of the following insecticides per lit. water</p> <p>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.</p> <p>Drain out the water and spray the insecticide. 250 - 300 lit. spray mixture requires per acre.</p>
<b>Red gram wilt</b>	Vegetative stage	<p>5.0 g. Trichoderma viridae  OR  3.0 g. Carbendazim + Mancozeb 75 WP.then sown.  In wilt endemic areas before sowing enriched Trichoderma FYM incorporated to soil  OR  Sow wilt resistant red gram variety BRG 5 or Maruthi (ICP 8863).</p>
<b>Paddy Yellow stem borer</b>	Vegetative stage	<p>If infestation noticed, apply any one of the following insecticides per lit. water</p> <p>a) Monocrotophos 36 SL. - 1.5 ml.  b) Chlorpyriphos 20 EC. - 2.0 ml.  c) Flubendiamide 48 SC. - 0.08 ml.  d) Flubendiamide 20 WG. - 0.2 g.</p> <p>Granular insecticide - kg./acre</p> <p>a) Fipronil 0.3 G - 10.0  b) Carbofuran 3 G - 8.0</p> <p>N.B: Before application of granular insecticides, drain out the water and apply granules. Two days after application irrigate lightly.</p>
<b>Coconut</b>	Rhinoceros beetle	<p>Remove the adult beetle from crown of the palm by means of iron hook.</p> <p>Quinalphos 1.5 D.  OR  Malathion 5 D. mix with equal quantity of sand and plug the hole with mixture.</p> <p>Avoid FYM pits in and around coconut garden  OR  Mix 350 g.Quinalphos 1.5 D/ 3 m<sup>2</sup> of FYM.</p>
<b>Paddy leaf and neck blast</b>	Transplanting to Vegetative	<p>&gt; Seed treatment: Treat the seeds @ 4 g. Carbendazim 50 WP. or Tricyclazole 75 WP. @ 0.6 g./kg. seed.</p> <p>Nursery spray</p> <p>&gt; When seedlings are 10 -12 days old spray any one of the following fungicides to a lit. water.</p> <p>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.</p> <p>20 - 25 days after transplanting if disease incidence above 5 per</p>

		cent sprays any one fungicide mention above. If necessary spray at flowering stage. 200 - 300 lits. spray solution/acre.
<b>Coconut Eriophyid mites</b>	-	Addition to application of recommended NPK add 1 kg. Gypsum, 50 g. Boran, 5 kg. neem oil cake/palm. Spray 80 WP. Sulphur @ 4 g./lit. water on 2 - 6 months old tender nuts. Root feeding the mixture of 7.5 ml. Neemzol. OR 10 ml. Econeem with equal quantity of water.
<b>Poultry and Livestock</b>		
<b>Category</b>	<b>Condition</b>	<b>Recommendation</b>
<b>Poultry</b>	General	<ul style="list-style-type: none"> <li>• Use ventilation, exhaust fans, and sprinklers to cool the poultry house. Wet the roof or use a misting system to reduce heat.</li> <li>• Provide cool, clean water with electrolytes and vitamins (e.g., Vitamin C) to reduce heat stress.</li> <li>• Feed during early morning or late evening to avoid heat stress.</li> <li>• Litter Management: Keep litter dry to prevent ammonia build-up and respiratory issues.</li> </ul>
<b>Livestock</b>	General	<ul style="list-style-type: none"> <li>• Provide fresh, clean water and electrolyte solutions to avoid dehydration and heat stress.</li> <li>• Ensure shaded or ventilated shelters. Use fans or sprinklers in sheds to cool livestock.</li> <li>• Feed green fodder and silage. Avoid heat-generating feeds like excessive grains.</li> <li>• Monitor for signs of heat stress and deworm/vaccinate to prevent disease outbreaks.</li> </ul>

### Block level weather forecast (From 25-09-2024 to 29-09-2024)

<b>H.D. Kote</b>					
<b>Parameter</b>	<b>25.09.2024</b>	<b>26.09.2024</b>	<b>27.09.2024</b>	<b>28.09.2024</b>	<b>29.09.2024</b>
<b>Rainfall (mm)</b>	0	0.1	0	2.8	4.1
<b>Max. temp (°C)</b>	27.7	28	28.4	27.5	26.6
<b>Min.Temp (°C)</b>	18.3	18.7	19.6	19.2	19.1
<b>Sky condition (Octas)</b>	7	2	6	6	8
<b>Relative humidity (%) 0830 hours</b>	95	95	93	95	92
<b>Relative humidity (%) 1730 hours</b>	48	51	49	56	67
<b>Wind Speed (kmph)</b>	14	15	14	15	17
<b>Wind Direction</b>	248	248	248	248	248

**Hunsuru**

<b>Parameter</b>	<b>25.09.2024</b>	<b>26.09.2024</b>	<b>27.09.2024</b>	<b>28.09.2024</b>	<b>29.09.2024</b>
<b>Rainfall (mm)</b>	0.1	0.4	0.1	4.1	5
<b>Max. temp (°C)</b>	28.6	29	29.4	28.3	26.8
<b>Min.Temp (°C)</b>	18.9	19	19.9	19.4	19.1
<b>Sky condition (Octas)</b>	7	2	6	6	8
<b>Relative humidity (%) 0830 hours</b>	94	94	89	95	93
<b>Relative humidity (%) 1730 hours</b>	45	49	45	53	67
<b>Wind Speed (kmph)</b>	13	14	14	14	17
<b>Wind Direction</b>	248	248	248	248	248

**K.R. Nagara**

<b>Parameter</b>	<b>25.09.2024</b>	<b>26.09.2024</b>	<b>27.09.2024</b>	<b>28.09.2024</b>	<b>29.09.2024</b>
<b>Rainfall (mm)</b>	0.2	0.6	0.3	5	5.4
<b>Max. temp (°C)</b>	29.2	29.4	29.7	28.6	27.4
<b>Min.Temp (°C)</b>	18.9	18.6	19.7	19.4	19
<b>Sky condition (Octas)</b>	7	2	7	6	8
<b>Relative humidity (%) 0830 hours</b>	92	92	86	93	90
<b>Relative humidity (%) 1730 hours</b>	40	45	40	51	63
<b>Wind Speed (kmph)</b>	14	14	15	14	18
<b>Wind Direction</b>	248	248	249	249	248

**Mysuru**

<b>Parameter</b>	<b>25.09.2024</b>	<b>26.09.2024</b>	<b>27.09.2024</b>	<b>28.09.2024</b>	<b>29.09.2024</b>
<b>Rainfall (mm)</b>	0.3	0.9	0	5.6	8.1
<b>Max. temp (°C)</b>	28.1	28.3	27.8	27.3	26.2
<b>Min.Temp (°C)</b>	18.4	18.1	19.2	18.1	18.2
<b>Sky condition (Octas)</b>	8	3	7	6	8
<b>Relative humidity (%) 0830 hours</b>	91	93	87	94	91
<b>Relative humidity (%) 1730 hours</b>	41	46	46	54	67
<b>Wind Speed (kmph)</b>	17	17	17	17	20
<b>Wind Direction</b>	248	248	248	248	248

**Nanjanagudu**

<b>Parameter</b>	<b>25.09.2024</b>	<b>26.09.2024</b>	<b>27.09.2024</b>	<b>28.09.2024</b>	<b>29.09.2024</b>
<b>Rainfall (mm)</b>	0	0	0	3.2	5.5
<b>Max. temp (°C)</b>	26.8	27.2	26.8	26.6	25.6
<b>Min.Temp (°C)</b>	16.9	16.8	18.1	17.3	17.4
<b>Sky condition (Octas)</b>	7	2	7	5	7
<b>Relative humidity (%) 0830 hours</b>	89	90	87	91	88
<b>Relative humidity (%) 1730 hours</b>	40	43	47	52	61
<b>Wind Speed (kmph)</b>	17	19	19	19	22
<b>Wind Direction</b>	248	248	248	248	248

**Piriapatna**

<b>Parameter</b>	<b>25.09.2024</b>	<b>26.09.2024</b>	<b>27.09.2024</b>	<b>28.09.2024</b>	<b>29.09.2024</b>
<b>Rainfall (mm)</b>	1.1	0.6	0	2.9	3
<b>Max. temp (°C)</b>	28.7	29.1	29.6	29.3	27.4
<b>Min.Temp (°C)</b>	19.1	19.2	20	19.8	19.4
<b>Sky condition (Octas)</b>	6	2	5	6	8
<b>Relative humidity (%) 0830 hours</b>	97	96	91	95	94
<b>Relative humidity (%) 1730 hours</b>	50	51	48	54	67
<b>Wind Speed (kmph)</b>	12	13	13	14	17
<b>Wind Direction</b>	248	248	248	249	248

**T. Narasipura**

<b>Parameter</b>	<b>25.09.2024</b>	<b>26.09.2024</b>	<b>27.09.2024</b>	<b>28.09.2024</b>	<b>29.09.2024</b>
<b>Rainfall (mm)</b>	0	0.1	0	2.4	5.3
<b>Max. temp (°C)</b>	28.3	28.6	28.1	27.8	27.4
<b>Min.Temp (°C)</b>	18	17.7	19.2	18.4	18.4
<b>Sky condition (Octas)</b>	7	1	7	6	7
<b>Relative humidity (%) 0830 hours</b>	88	89	84	88	88
<b>Relative humidity (%) 1730 hours</b>	38	41	43	48	61
<b>Wind Speed (kmph)</b>	17	18	18	19	22
<b>Wind Direction</b>	248	248	248	249	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)

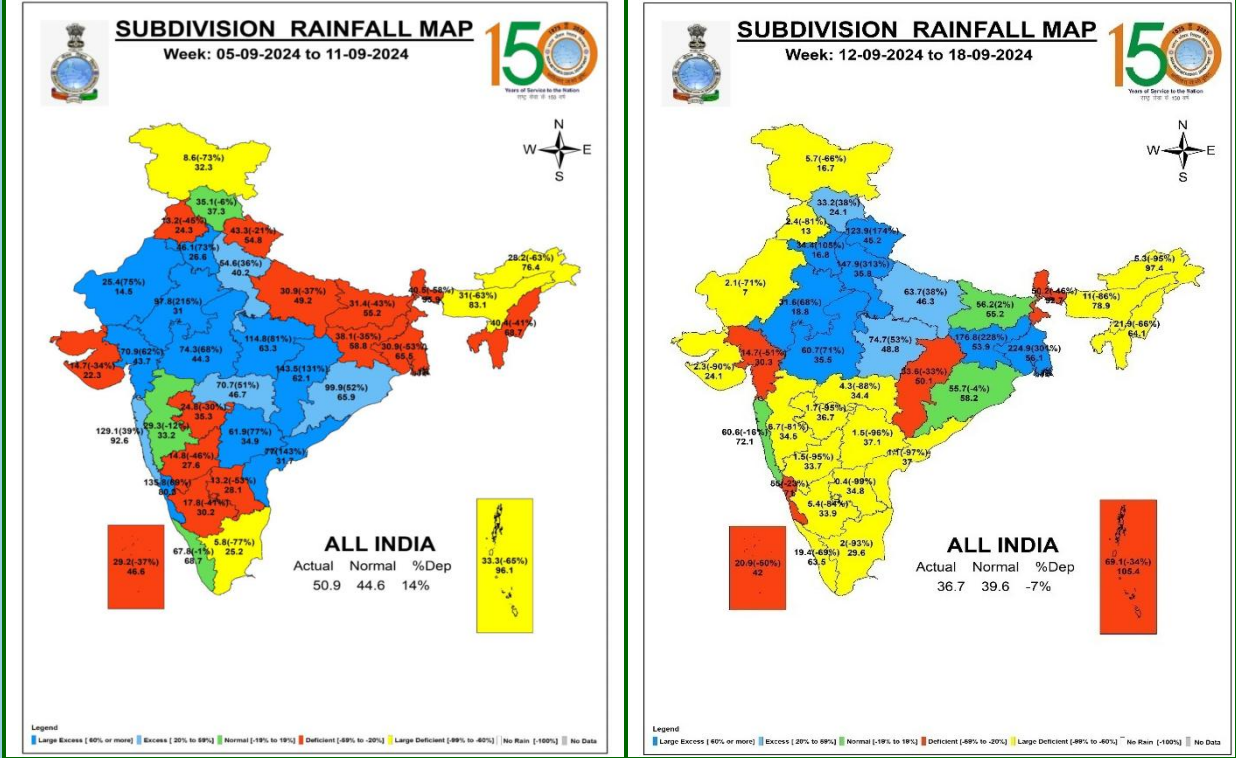
For any information farmers can contact **Dr. C. Ramachandra**, Senior Farm Superintendent/ **Dr. Sumanth Kumar.G.V**, Technical officer over phone No. 0821-259126/ 9535345814.

**AMFU of IMD,  
Naganahalli, Mysuru**



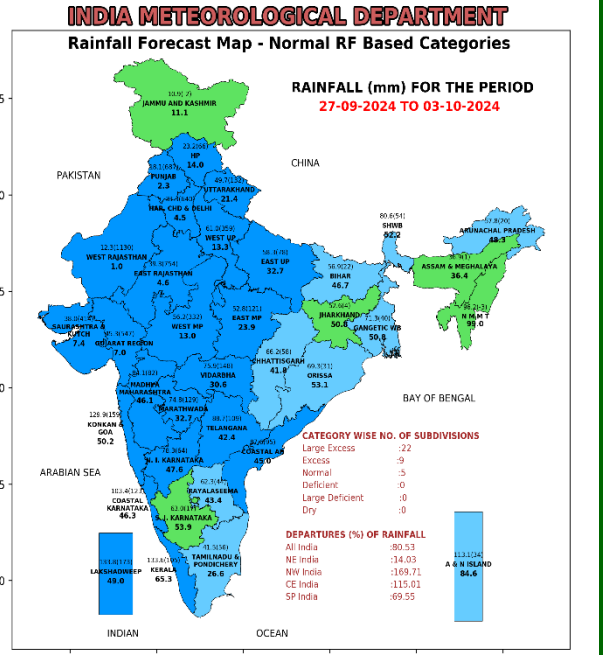
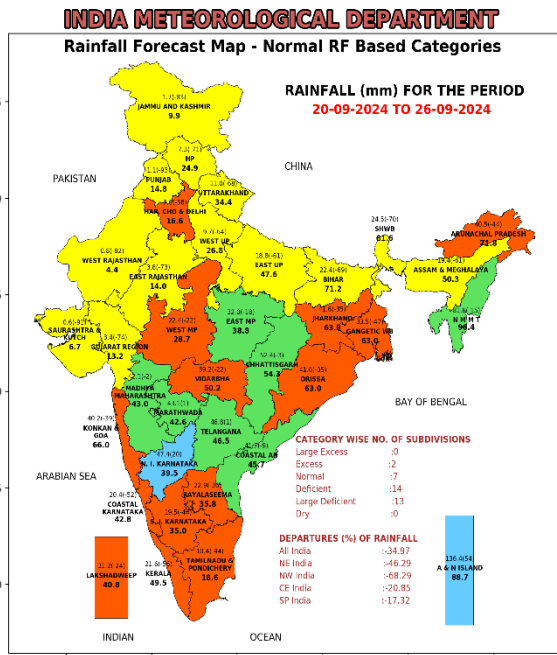
वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान  
 Realized Rainfall and Extended Range Forecast  
 (वर्षा और तापमान)  
 (Rainfall and Temperature)

Realized Rainfall  
 (5<sup>th</sup> to 18<sup>th</sup> September, 2024)



## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC- 18<sup>th</sup>September, 2024) (20<sup>th</sup>September to 03<sup>rd</sup> October, 2024)



**LEGEND:** NO DATA (white), NO RAIN (-100%) (grey), LARGE DEFICIENT (-99% TO -60%) (yellow), DEFICIENT (-59% TO -20%) (orange), NORMAL (19% TO -19%) (green), EXCESS (20% TO 59%) (blue)

**NOTES:**  
(a) Rainfall figures are based on MME forecast data.  
(b) Small figures indicates actual rainfall (mm), while bold figure indicates normal rainfall (mm)  
Percentage departures of rainfall are shown in brackets.

**LEGEND:** NO DATA (white), NO RAIN (-100%) (grey), LARGE DEFICIENT (-99% TO -60%) (yellow), DEFICIENT (-59% TO -20%) (orange), NORMAL (19% TO -19%) (green), EXCESS (20% TO 59%) (blue)

**NOTES:**  
(a) Rainfall figures are based on MME forecast data.  
(b) Small figures indicates actual rainfall (mm), while bold figure indicates normal rainfall (mm)  
Percentage departures of rainfall are shown in brackets.

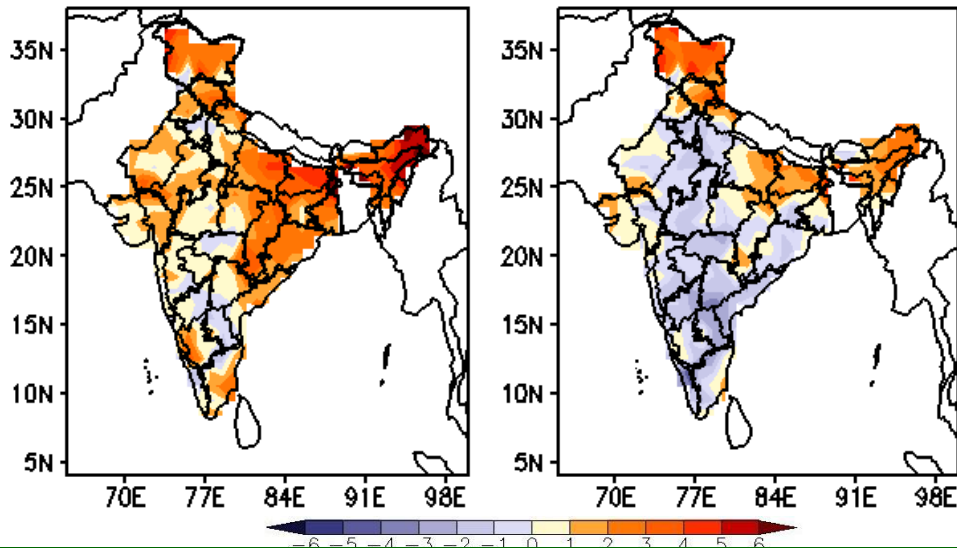
- **Week1 (20.09.2024 to 26.09.2024):** Rainfall is likely to be normal in parts of Northeast India and Central India. Below normal rainfall is likely over East India, Northwest India, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Konkan & Goa, Karnataka and Kerala.
- **Week 2 (27.09.2024 to 03.10.2024):** Rainfall is likely to be above normal over most parts of the country. Rainfall is likely to be normal in Northeast India and Tamil Nadu.

**Maximum and Minimum temperature anomaly ( °C) forecast  
for the next 2 weeks (IC- 18<sup>th</sup>September, 2024)  
(20<sup>th</sup>September to 03<sup>rd</sup> October, 2024)**

**MME forecast Tmax anomaly (Deg C)**

(Week1: 20Sep–26Sep)

(Week2: 27Sep–03Oct)



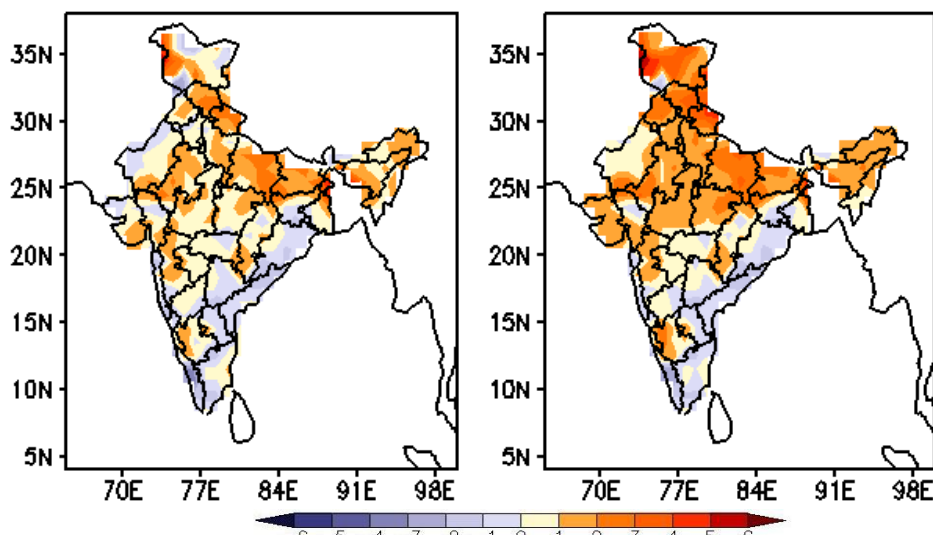
**Maximum Temperature (Tmax)**

- **Week 1 (20.09.2024 to 26.09.2024):** Maximum temperature is likely to be above normal over most parts of the country.
- **Week 2 (27.09.2024 to 03.10.2024):** Maximum temperature is likely to be above normal over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Bihar and Northeast India.

**MME forecast Tmin anomaly (Deg C)**

(Week1: 20Sep–26Sep)

(Week2: 27Sep–03Oct)



**Minimum Temperature (Tmin)**

- **Week 1 (20.09.2024 to 26.09.2024) and Week 2 (27.09.2024 to 03.10.2024):** Tmin is likely to be above normal in most parts of Northwest India, Central India and Karnataka. Tmin is likely to be below normal Eastern coastal states and Kerala.