



National Agromet Advisory Service Bulletin

based on

Extended Range Weather Forecast (ERFS)

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&

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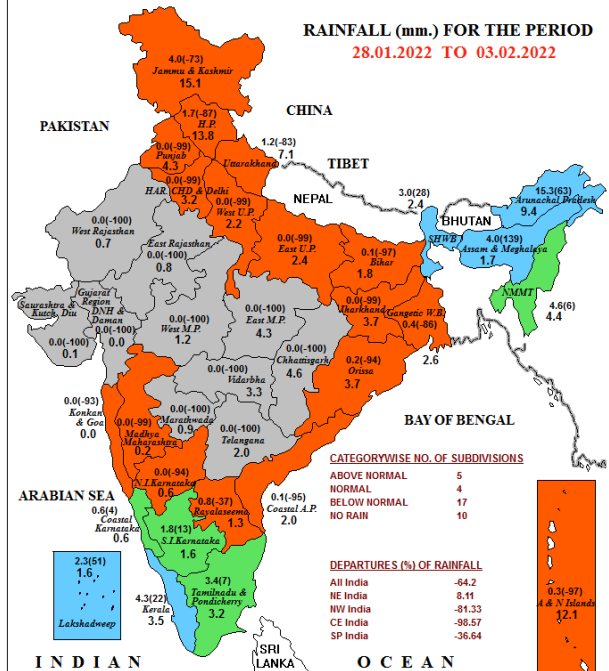
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC – 26 January)

(28th Jan. to 10th Feb., 2022)

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Rainfall Forecast Map - Normal RF Based Categories

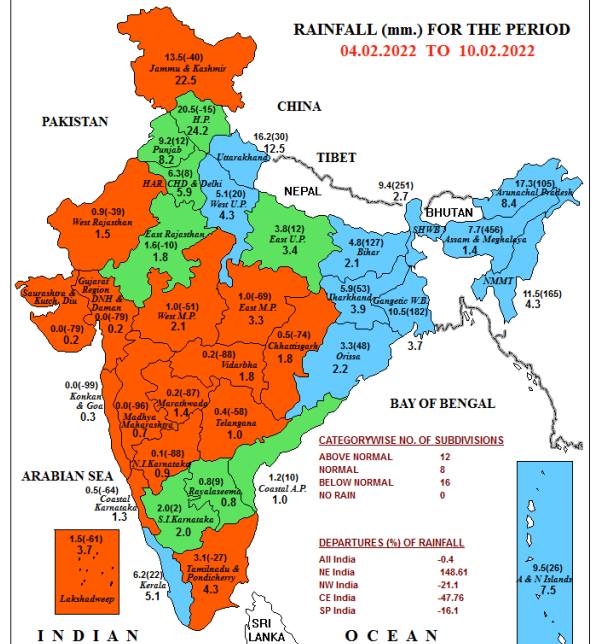


LEGEND: ■ ABOVE NORMAL (+20% OR MORE) ■ NORMAL (+19% TO -19%)
■ BELOW NORMAL [-20% TO -99%] ■ NO RAIN [-100%] ■ NO DATA

NOTES:
 [a] Rainfall figures are based on MME Forecast data.
 [b] Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)
 Percentage Departures of Rainfall are shown in Brackets.

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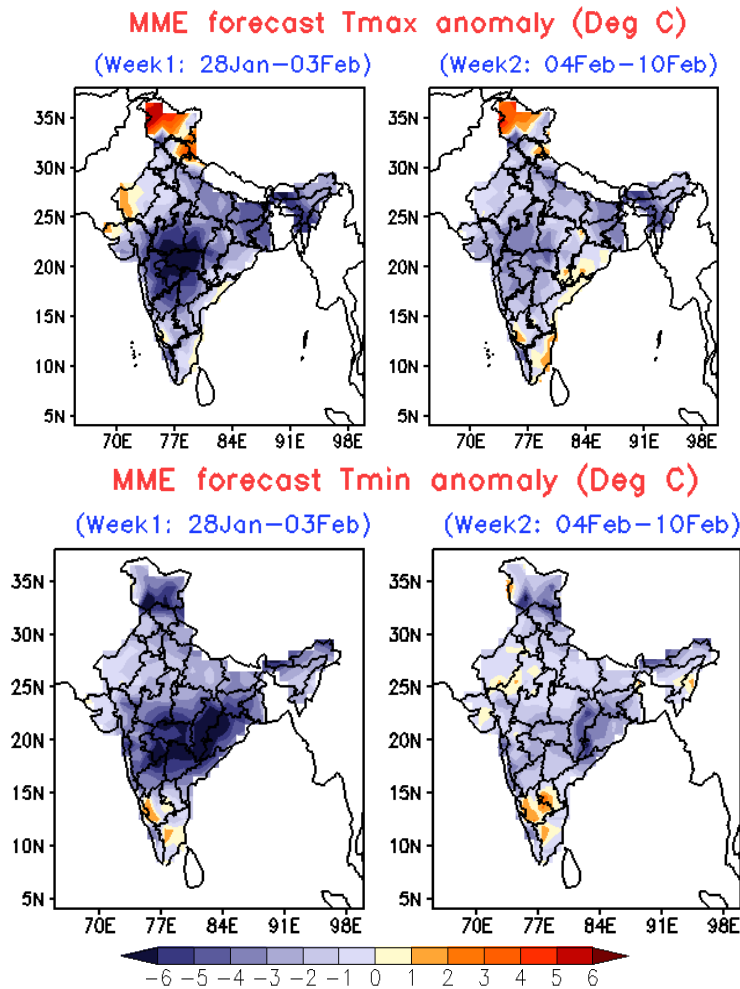


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- **Week 1 (28.01.2022 to 03.02.2022):** Mainly normal rainfall likely in week 1 with no significant anomaly.
- **Week 2 (04.02.2022 to 10.02.2022):** Western Disturbance associated rainfall/snowfall is likely over some parts of northern India and northeast India in week 2.

**Maximum and Minimum temperature anomaly (°C) forecast
for next 2 weeks (IC – 26 January)
(28th Jan. to 10th Feb., 2022)**



Maximum Temperature (Tmax)

- **Week 1 (28.01.2022 to 03.02.2022) and Week 2 (04.02.2022 to 10.02.2022):** Mostly below normal Tmax likely over entire India except some parts of extreme north India, northwest Rajasthan and adjoining Gujarat in week 1. Large negative anomaly of Tmax is expected over central India in week 1 with below normal Tmax is also expected over central India in week 2.

Minimum Temperature (Tmin)

- **Week 1 (28.01.2022 to 03.02.2022):** More parts of India will have negative anomalies with a large negative anomaly (-4 to -5 oC) is expected over east central parts of India covering Odisha, Chhattisgarh adjoining Maharashtra, southern part of Madhya Pradesh and Telangana & adjoining coastal Andhra Pradesh.
- **Week 2 (04.02.2022 to 10.02.2022):** Slight negative anomalies in Tmin will continue over eastern, northeastern, central and northwestern parts of India.

Strategic Agricultural Planning based on rainfall during next two weeks till 10 February 2022

Agro-met Advisories

Kerala

Amount of rainfall received over Kerala is 2.9 mm (-60% large deficit) during 01 - 27 January 2022. The extended range weather forecast (rainfall) for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) is above normal for week-1 and week-2.

- Due to prevailing dry weather condition, there is a chance of mite attack in arecanut. To manage, it is advised to apply wettable sulphur @ 2 g per one litre of water.
- Prevailing dry weather condition is also congenial for white fly attack in tomato. To manage it is advised to apply 2% neem oil + garlic emulsion under the leaf surface at 10 days intervals. If the attack is severe, apply Thiamethoxam @ 4 g per 10 litres of water.

Tamil Nadu

Amount of rainfall received over Tamil Nadu is 34 mm (131% large excess) during 01 - 27 January 2022. The extended range weather forecast (rainfall) for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) is normal for week-1 and below normal for week-2.

- Current weather condition is favorable for yellow mosaic virus and powdery mildew incidence in pulses. To prevent, it is advised to spray NSKE 5% or Neem oil 3% twice at 10 days interval from initial disease appearance.
- Prevailing weather conditions are congenial for shoot fly incidence in sorghum. Farmers are advised to spray Methyl demeton 25 EC 500 ml/ha or Dimethoate 30 EC 500 ml/ha.

Maharashtra

Rainfall received over Madhya Maharashtra is 0.7 mm (-52% deficit); Marathwada is 0.3 mm (-92% large deficit); Vidarbha is 27 mm (251% large excess) and Konkan region is 3 mm (405% large excess) during 01 - 27 January 2022. The extended range weather forecast (rainfall) for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over Konkan, Madhya Maharashtra, is below normal and no rainfall over Marathwada and Vidarbha for week-1; During week-2, below normal rainfall is expected over Konkan, Madhya Maharashtra, Marathwada and Vidarbha regions.

Vidarbha

- To prevent the impact of cold weather in the fruit plants, application of organic mulches in tree basins/soil surface, covering of nursery and young fruit plants with thatches of straw, creating air blanket of smoke in orchards by burning dried weeds/wood etc., and light irrigation during evening hours is advisable.
- It is advisable to keep the animals in closed shelter and take special care of young cattle to protect from cold during night/early morning. Shelter floor should be covered with straw litter which provides thermal mulch.

Madhya Maharashtra

- For the management of leaf curl in chilli, spraying of Dimethoate @15 to 20 ml per litre of water is advised.
- Under prevailing weather condition, sowing of summer groundnut and sunflower is advised from last week of January.

Konkan

- Due to decrease in minimum temperature, it is advised to provide irrigation to nursery of new fruit crop plantation and vegetable crops during evening hours.
- Due to prevailing cloudy weather, there is possibility for anthracnose and powdery mildew disease on mango inflorescence. To protect against powdery mildew disease, it is advised to spray Hexaconazole 5% SC @ 5 ml per 10 litres of water and to control anthracnose disease, spray Carbendazim 12% + Mancozeb 63% @ 10 g per 10 litres of water.

Hisar

Amount of rainfall received over Hisar is 70 mm (551% large excess) during 01 - 27 January 2022. The extended range rainfall forecast (rainfall) provided for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over Hisar is below normal for week-1 and normal for week-2.

- To protect the vegetable crops from frost and low temperature, it is advised to apply need-based irrigation in evening hours.
- Due to prevalence of variable weather, farmers are advised to keep the animal under sheds and provide 50 g iodized salt and 50 to 100 g mineral mixture daily with animal feed/fodder to keep them healthy.

Karnataka

Rainfall received during 01 - 27 January 2022 over South Interior Karnataka is 0.5 mm (-73% large deficit) and North Interior Karnataka is 0.4 mm (-84% large deficit). The extended range weather forecast (rainfall) for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over South Interior Karnataka is normal and below normal over North Interior Karnataka for week-1 and week-2.

South Interior Karnataka

- Due to sudden drop in minimum temperature affects the floral induction in Mango. To manage it is advised to spray Paclobutrazol as plant growth retardant which restrict the vegetative growth.
- To protect the pulse grains from storage pests it is advised to apply oils of Castor/linseed/honge/neem oil @ 3-5 ml per kg of grains.

North Interior Karnataka

- Under clear weather condition, harvesting/threshing and drying of pigeon pea and other crops,

plucking of cotton and chili is advised with all precautionary measures.

- Farmers are advised to vaccinate livestock against Foot and Mouth disease (FMD vaccination), Black Quarter disease (BC vaccination) and *Haemorrhagic Septicaemia*.

Uttar Pradesh

Rainfall received during 01 - 27 January 2022 over East Uttar Pradesh is 27 mm (161% large excess) and West Uttar Pradesh is 59 mm (469% large excess). The extended range weather forecast (rainfall) for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over East Uttar Pradesh and West Uttar Pradesh is below normal for week-1 and above normal over West Uttar Pradesh and normal over East Uttar Pradesh for week-2.

Western Uttar Pradesh

- To protect vegetable crops from frost, it is advised to spray 2% urea.
- Due to no rainfall forecast during this coming week, farmers are advised to irrigate the wheat crop.

Eastern Uttar Pradesh

- For the management of pod borer in pea and fruit borer in tomato, it is advised to install pheromone traps @ 3-4 traps per acre.
- Intercultural operation is advised to check the evapotranspiration losses and proper utilization of nutrient to the crop.

Jammu

Amount of rainfall received over Jammu is 169 mm (117% large excess) during 01 - 27 January 2022. The extended range weather forecast (rainfall) provided for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over Jammu is below normal for week-1 and week-2.

- Due to the rain in past week, it is advised to drain out excess rainwater from the wheat crop fields.
- Prevailing temperature is congenial for *Alternaria* blight in mustard crop. If observed, it is advised to spray Mancozeb @ 0.25%.

Assam

Amount of rainfall received over Assam is 22 mm (62% large excess) during 01 - 27 January 2022. The extended range weather forecast (rainfall) provided for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over Assam is above normal for week-1 and week-2.

- For the management of aphid attack in rapeseed & mustard crop, it is advised to spray Dimethoate 30 EC or Chlorpyrifos 20EC 0.5litre/ha with a spray volume of 500-700 litres of water/ha.
- Land preparation for growing okra as a spring summer crop (January-March) is advised.

Recommended varieties are *Pusa Sawani*, *Arka Anamika* and *Parvani Kranti*.

Chhattisgarh

Amount of rainfall received over Chhattisgarh is 43 mm (391% large excess) during 01 - 27 January 2022. The extended range weather forecast (rainfall) provided for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over Chhattisgarh is no rainfall for week-1 and below normal for week-2.

- Considering the present weather conditions, there are chances of aphid infestation in vegetable crops. Therefore, farmers are advised to do continuous monitoring and spray neem based pesticides when initial outbreak is seen.
- For the management of aphid insect in mustard crop, it is advised to spray Imidacloprid 17.8 SL @ 250 ml per hectare, 2 to 3 times at an interval of 10-15 days as required.

Gujarat

Amount of rainfall received over Gujarat is 1 mm (22% excess) during 01 - 27 January 2022. The extended range weather forecast (rainfall) provided for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over Gujarat is no rainfall for week-1 and below normal for week-2.

- For the management of purple blotch in onion, it is advised to spray Mancozeb @ 27 g or Chlorothalonil 75% WP @ 27g in 10 litres of water at 15 days interval.
- To protect the animals from col stress, it is advised to keep animals in a covered shed area during the night.

Himachal Pradesh

Amount of rainfall received over Himachal Pradesh is 173 mm (140% large excess) during 01 - 27 January 2022. The extended range weather forecast (rainfall) provided for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over Himachal Pradesh is below normal for week-1 and normal for week-2.

- For the successful cultivation of mushrooms, it is advised to maintain room temperature 25 – 28 °C and relative humidity around 80 - 85%.
- Farmers are advised to cover the small horticulture plants with grass to avoid cold paralysis / frost injury.

West Bengal

Rainfall received during 01 - 27 January 2022 over Gangetic West Bengal is 25 mm (136% large excess) and Sub-Himalayan West Bengal is 18 mm (38% excess). The extended range weather forecast (rainfall) provided for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over Gangetic West Bengal is below normal and Sub-Himalayan West Bengal is above normal for week-1 and; both are above normal for week-2.

- For preventive measure of late blight in potato spraying of Mancozeb or Chlorothalonil or Copper Oxychloride may be useful

Uttarakhand

Amount of rainfall received over Uttarakhand is 108 mm (227% large excess) during 01 - 27 January 2022. The extended range weather forecast (rainfall) provided for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over Uttarakhand is below normal for week-1 and above normal for week-2.

- In view of intermittent rainfall during last few days, farmers are advised to drain out the stagnant rain water in the crop field due to the rainfall of the previous day.
- There is sufficient moisture in the field due to the rainfall of the last few days, therefore, it is advised to give the remaining amount of urea in the toria crop before flowering..

Punjab

Amount of rainfall received over Punjab is 105 mm (571% large excess) during 01 - 27 January 2022. The extended range weather forecast (rainfall) provided for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over Punjab is below normal for week-1 and; normal for week-2.

- To protect potato crop from late blight, it is advised to spray Indofil M-45/Antracol/ Kavach @ 500- 700 g or Copper oxychloride 50 WP/Mark copper @ 750- 1000 g/acre in 250- 350 litres of water at 7 days interval.
- Mulching is advised in vegetable crops i.e., cauliflower, spinach, fenugreek, coriander, radish, turnip, pea, tomato, brinjal, chilli and capsicum to reduce heat loss from the surface.

Jharkhand

Amount of rainfall received over Jharkhand is 25 mm (148% large excess) during 01 - 27 January 2022. The extended range weather forecast (rainfall) provided for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over Jharkhand is below normal for week-1 and above normal for week-2.

- Farmers having assured irrigation facility and wish to cultivate summer vegetables may proceed for sowing. Seeds of cucurbitaceous plant like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc. may be sown in pit.

Madhya Pradesh

Amount of rainfall received over Madhya Pradesh is 40 mm (191% large excess) during 01 - 27 January 2022. The extended range weather forecast (rainfall) provided for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over Madhya Pradesh is no rainfall for week-1 and below normal for week-2.

- Farmers are advised to apply light irrigation during night hours in solanaceous vegetables to

protect from low temperature and also cover nursery beds with mulch for protection from cold temperature.

Andhra Pradesh

Amount of rainfall received over Coastal Andhra Pradesh is 30 mm (214% large excess) over Rayalaseema is 10 mm (207% excess) during 01 - 27 January 2022. The extended range weather forecast (rainfall) provided for next two weeks (28 January - 03 February 2022 and 04 - 10 February 2022) over Coastal Andhra Pradesh and Rayalaseema is below normal for week-1 and normal for week-2.

- The current weather conditions are favourable for fall army worm in maize grown in Srikakulam, Prakasam, Guntur, Kurnool, Visakhapatnam, Nellore, Krishna and Kurnool districts. To control, farmers are advised to spray Thiodicarb @ 2g or Emamectin benzoate @ 0.4 g/litre of water.
- The present weather conditions are favourable for incidence of pink boll worm in cotton grown in Srikakulam, Prakasam, Guntur, Krishna, Ananthapuramu, YSR Kadapa and Kurnool districts. To control the pest, spraying of Profenofos @ 2 ml or Thiodicarb 1.5 g/litre of water is recommended.

Disclaimer:

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