



National Agromet Advisory Services Bulletin

Date of issue: 11 November 2022

based on

Extended Range Weather Forecast (ERFS)

Validity: 11 - 24 November 2022

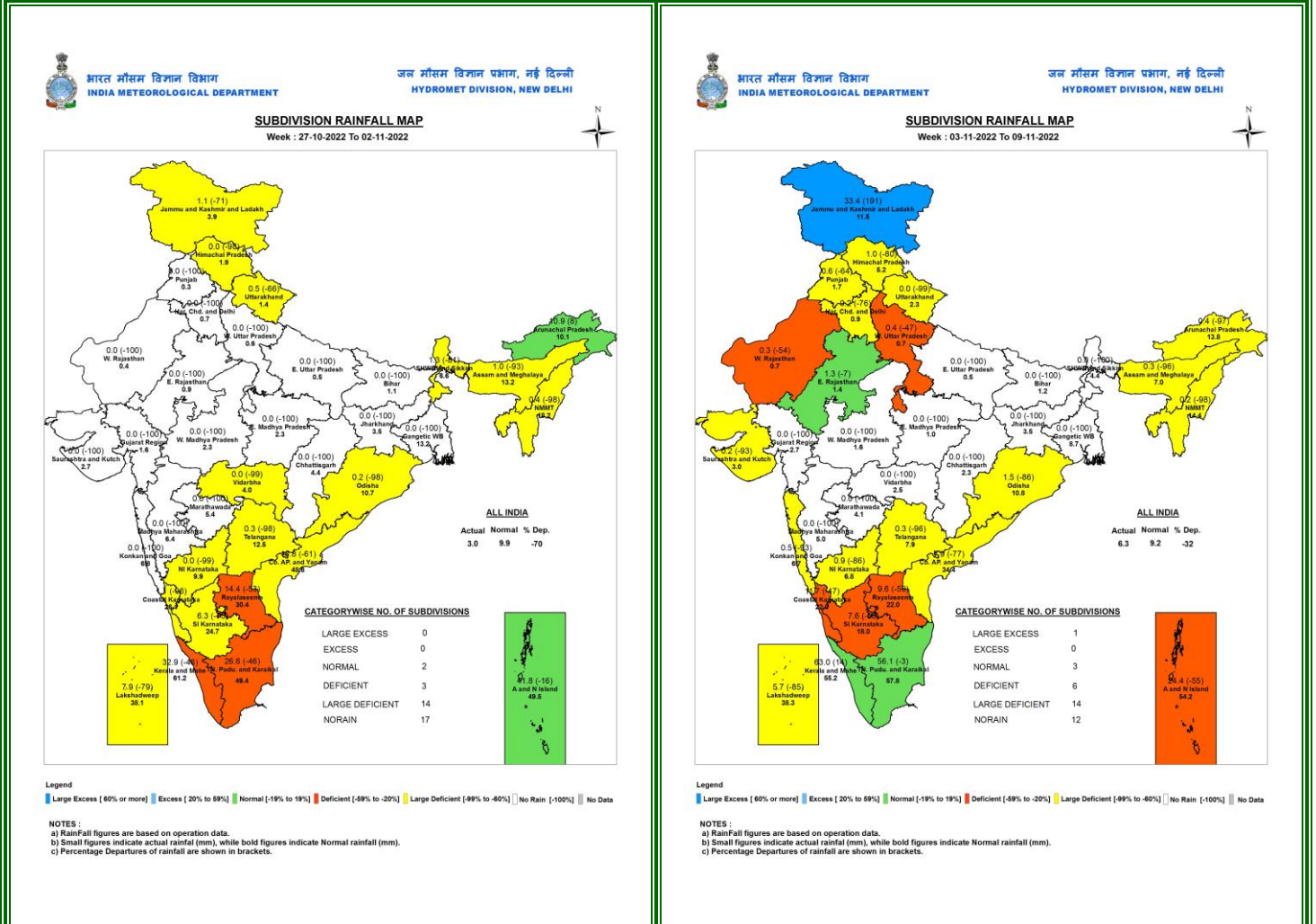
Issued by

**AICRP on Agro-Meteorology (AICRPAM)
Central Research Institute for Dryland Agriculture (CRIDA)
Indian Council of Agricultural Research (ICAR)
&
India Meteorological Department (IMD)
Earth System Science Organization**

Realized Rainfall and Extended Range Forecast (Rainfall and Temperature)

Realized Rainfall

(27th October to 9th November, 2022)

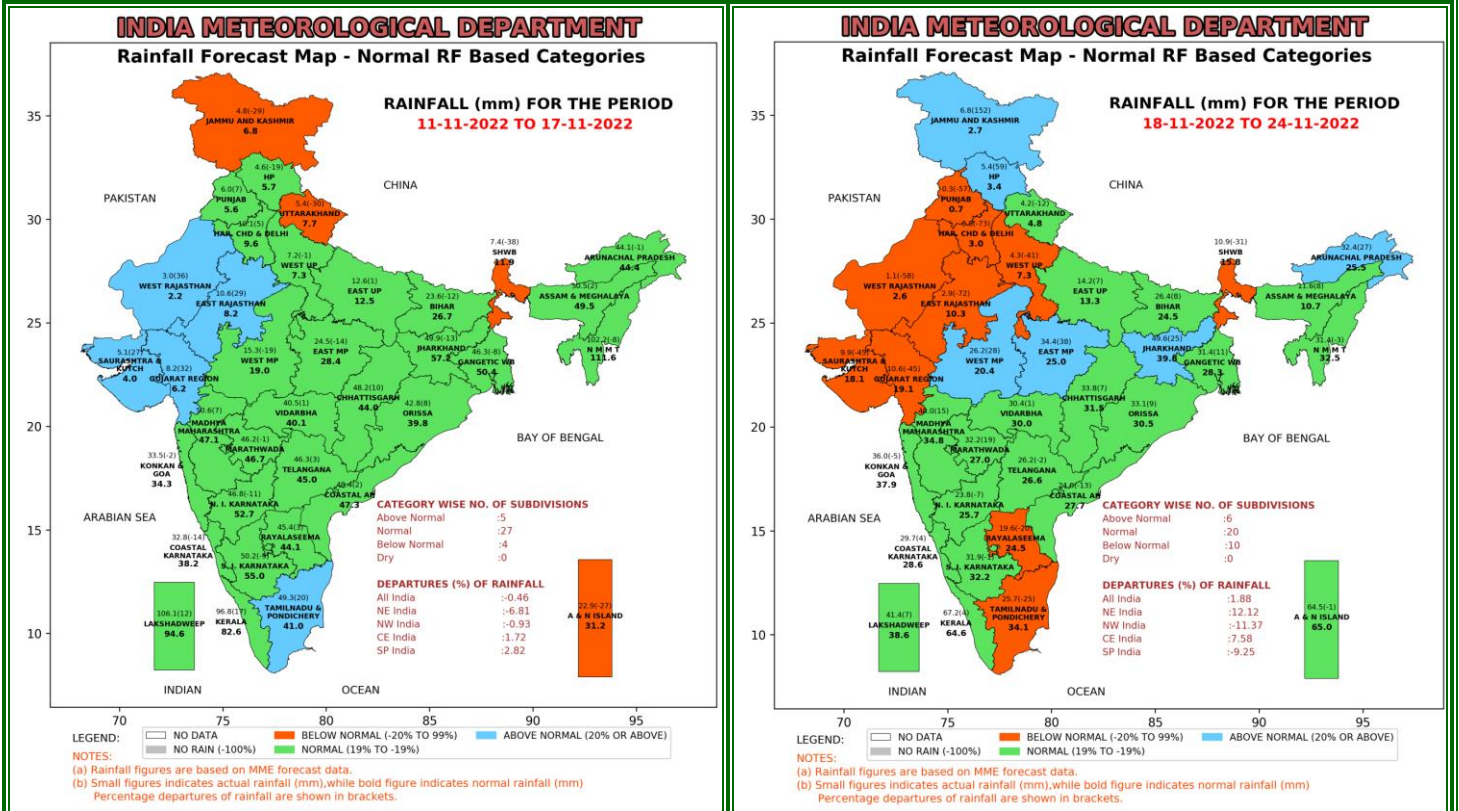


- Normal or above normal rainfall occurred in either of the two weeks in Jammu & Kashmir and Ladakh (UTs), Arunachal Pradesh, East Rajasthan, Tamil Nadu Puducherry & Karaikal, Kerala & Mahe and Andaman & Nicobar Islands.
- Below normal rainfall/no rain occurred in both the weeks over rest of the States & UTs.

Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 9th November)

(11th to 24th November, 2022)



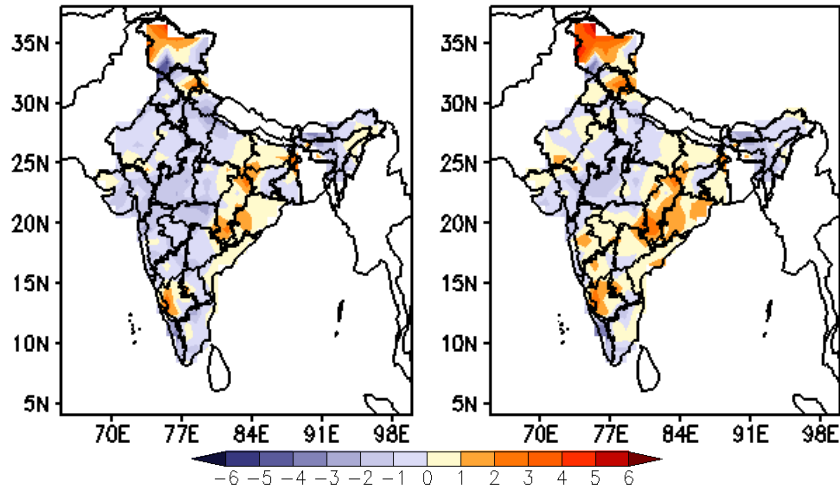
- **Week 1 (11.11.2022 to 17.11.2022):** Rainfall is likely to be normal to slightly above normal over the southern peninsula.
- **Week 2 (18.11.2022 to 24.11.2022):** Rainfall is likely to be normal over parts of Central, East & Northeast India.

**Maximum and Minimum temperature anomaly ($^{\circ}\text{C}$) forecast
for next 2 weeks (IC- 9th November)
(11th to 24th November, 2022)**

MME forecast Tmax anomaly (Deg C)

(Week1: 11Nov-17Nov)

(Week2: 18Nov-24Nov)



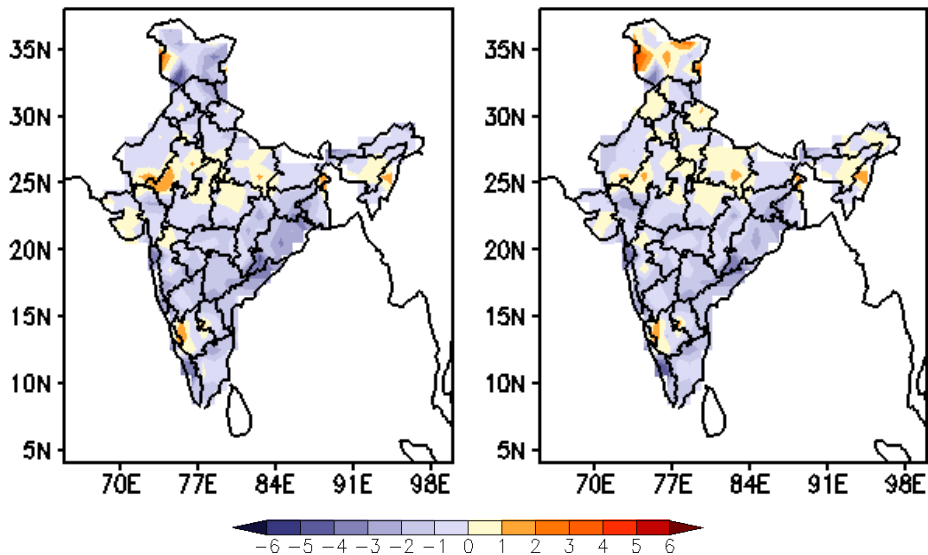
Maximum Temperature (Tmax)

- **Week 1 (11.11.2022 to 17.11.2022):** Tmax will be slightly above normal particularly over Jammu & Kashmir and eastern parts of the country.
- **Week 2 (18.11.2022 to 24.11.2022):** Tmax will be slightly above normal over parts of southern peninsula, Jammu & Kashmir and eastern parts and Peninsula.

MME forecast Tmin anomaly (Deg C)

(Week1: 11Nov-17Nov)

(Week2: 18Nov-24Nov)



Minimum Temperature (Tmin)

- **Week 1 (11.11.2022 to 17.11.2022):** Tmin is likely to be normal to below normal over central and southern parts of India whereas it will be above normal over northern India and adjoining Indo-Gangetic plains.
- **Week 2 (18.11.2022 to 24.11.2022):** Tmin is mainly normal to below normal over the country except some parts of Indo-Gangetic plains.

Agromet Advisories

Uttar Pradesh

The amount of rainfall received over East Uttar Pradesh was 149 mm (328% large excess) and over West Uttar Pradesh was 140 mm (543% large excess) during 01 October - 10 November 2022. The extended range weather forecast (rainfall) for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) is normal over East Uttar Pradesh and West Uttar Pradesh for week-1; below normal over West Uttar Pradesh and normal over East Uttar Pradesh for week-2.

Western Uttar Pradesh

- Farmers are advised to harvest paddy crop which attained physiological maturity.
- Sowing of irrigated timely sown wheat is advised with recommended varieties viz., *K-9107*, *K-9006*, *Up-2382*, *NW-1012*, *HP-1761*, *HUW-468*, *PBW-343*, *DBW-187*, *DBW-122*, *HD-3226* and *HP-1731*.

Eastern Uttar Pradesh

- Under prevailing weather condition, transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato on raised bed is advised.

Bihar

The amount of rainfall received over Bihar was 81 mm (35% excess) during 01 October - 10 November 2022. The extended range weather forecast (rainfall) for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) is normal for week-1 and week-2.

- As a forecast of clear weather during coming weeks, farmers are advised to complete the harvesting and threshing of paddy.
- Land preparation is advised for wheat sowing. *PBW-343*, *PBW-443*, *K-9107*, *HD-2733*, *HD-2824*, *HUW-206*, *HUW-468*, *K-307*, *CBW-38*, *DBW-39* varieties are recommended for timely sowing of wheat.

Kerala

The amount of rainfall received over Kerala was 299 mm (-22% deficit) during 01 October - 10 November 2022. The extended range weather forecast (rainfall) for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) is normal for week-1 and week-2.

- During cloudy situation, there is a chance of leaf folder infestation in paddy. It can be controlled using Trichogramma cards (2CC per one acre). Cut the cards in to small pieces and fix in different regions of the field. If the attack is severe, spray Quinalphos @ 2ml per one litre of water.
- Due to high relative humidity, there is a chance of downy mildew attack in cucurbitaceous vegetables. To prevent, it is advised to spray 2.5 g Mancozeb per one litre of water under the leaves.

Tamil Nadu

The amount of rainfall received over Tamil Nadu was 239 mm (-4% deficit) during 01 October - 10 November 2022. The extended range weather forecast (rainfall) for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) is above normal for week-1 and below normal for week-2.

- Prevailing weather condition is favorable for shoot and fruit borer in vegetables. For management, it is advised to install pheromone trap @ 12/ha or spray chlorpyrifos @ 1 ml/litre of water.
- Prevailing weather condition are congenial for fall army worm infestation in maize. Farmers are advised to go for foliar spray Emamectin benzoate 5% SG 220 g/ha.

Maharashtra

159 mm (88% large excess) rainfall over Madhya Maharashtra; 132 mm (66% large excess) in Marathwada; 169 mm (34% excess) in Konkan region and 87 mm (41% excess) over Vidarbha was recorded during 01 October - 10 November 2022. The extended range weather forecast (rainfall) for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) is normal over Madhya Maharashtra, Marathwada, Konkan and Vidarbha for week-1 and; week-2, respectively.

Vidarbha

- Install pheromone traps @ 5/ha for monitoring of *Helicoverpa* in pigeon pea field.
- Under prevailing weather condition, farmers are advised to complete the sowing of irrigated chickpea with recommended varieties *Jaki 9218*, *PDKV Kanchan*, *Vijay*, *Vishal*, *ICCV-2*, and *ICCV-10* by 10 November.

Marathwada

- For management of pod borer in pigeon pea, it is advised to spray of 5% NSKE or Quinolphos 25% @ 20 ml or Emamectin Benzoate 5% 4.5 gm per 10 litres of water.
- Timely sowing of irrigated wheat crop should be done from 01st November to 15th November. For timely sowing recommended varieties are *Tryambak*, *Godavari*, *Phule* and *Samadhan*.

Madhya Maharashtra

- Mulching is advised to reduce the evaporation from soil in orchard crops.
- For control of pod borer in pigeon pea, it is advised to install the Pheromone traps @ 5/ha. or spray Monocrotophos @ 20 ml/10 litres of water.

Konkan

- Due to forecast for dry weather, it is advised to harvest the matured rice varieties, followed by threshing and threshed grains should be sun dry for 2 to 3 days before storage.

- Due to increase in temperature, it is advised to provide irrigation to newly planted mango orchard @ 30 litres of water at 7 days interval.

Odisha

The amount of rainfall received over Odisha was 125 mm (-1% deficit) during 01 October - 10 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) over Odisha is normal for week-1 and week-2.

- Farmers are advised to grow short duration *rabi* crops like green gram, black gram, cowpea, field pea, lentil, groundnut, toria and sunflower in medium/shallow lowlands utilizing the available soil moisture in the field.
- Onion varieties like *Agrifound light Red*, *Agrifound Dark Red*, *Bhima Shakti*, *Bhima Super*, *Arka Niketan* etc are suitable for Odisha condition during winter season.

Jammu

84 mm of rainfall (81% large excess) was received over Jammu during 01 October - 10 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) over Jammu is below normal for week-1 and above normal for week-2.

- Sowing of wheat (var. *PBW-175*, *PBW-396*, *RSP-81 (Jitto)*, *WH-1080* and *PBW-644*) under optimum soil moisture in kandi belt is advised.

Assam

The amount of rainfall received over Assam during 01 October - 10 November 2022 was 221 mm (35% excess). The extended range weather forecast (rainfall) provided for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) over Assam is normal for week-1 and week-2.

- Under prevailing weather condition, it is advised to complete nursery sowing of late cauliflower varieties like *Snowball-16*, *Pusa Snowball*, *K-1* and *Hisar-1*.

Karnataka

Rainfall received during 01 October - 10 November 2022 over South Interior Karnataka was 234 mm (43% excess), 160 mm (42% excess) over North Interior Karnataka and 152 mm (-32% deficit) over Coastal Karnataka. The extended range weather forecast (rainfall) for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) is normal over Coastal Karnataka, North Interior Karnataka and South Interior Karnataka for week-1 and; week-2.

South Interior Karnataka

- Under prevailing weather following crops with recommended varieties are advised:
 Horse gram: (var. *PHG-9*, *KBH-1*, *Niger*), Field bean (var. *HA-3* and *4*) and sunflower: (*KBSH-1,41,42, 44* and *53*), Cow pea (*KBC-1*, *TVX-944* and *PKB-4* for vegetable purpose).
- To control leaf folder insect in pigeon pea, it is advised to spray Methomyl 40 SP @ 2 g/litre

of water before flowering of crop.

Chhattisgarh

The amount of rainfall received over Chhattisgarh was 72 mm (12% excess) during 01 October - 10 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) over Chhattisgarh is normal for week-1 and week-2.

- Under prevailing sowing of mustard is advised. Recommended improved varieties of mustard are *Pusa jai kisan*, *Pusa bold*, *Vardan*, *Varuna*, *Kranti*, *Chhattisgarh Mustard* etc.
- To protect 6-7 weeks poultry birds from Ranikhet and Smallpox diseases, proper vaccination of birds is advised.

Punjab

The amount of rainfall received over Punjab was 10 mm (normal rainfall) during 01 October - 10 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) over Punjab is normal for week-1 and below normal for week-2.

- It is the optimum time for transplanting of late season varieties of cauliflower and sowing of spinach, fenugreek, coriander, radish, turnip, garlic and main season varieties of pea.
- For management of canker in citrus, it is advised to spray Streptocycline 50 g + 25 g copper sulphate in 500 litres of water per acre or Bordeaux mixture (2:2:250) during this month.

Anantapur

The amount of rainfall received over Coastal Andhra Pradesh was 226 mm (-5% deficit) and over Rayalaseema was 162 mm (-2% deficit) during 01 October - 10 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) over normal over Coastal Andhra Pradesh and Rayalaseema for week-1 and normal over Coastal Andhra Pradesh and below normal over Rayalaseema for week-2.

- In Ananthapuramu and Kurnool districts, prevailing weather conditions are favorable for incidence of botrytis in castor. For the control of disease, spraying of Carbendazim @ 1 g or Thiophanate Methyl @ 1g/litre of water is recommended.

Gujarat

The amount of rainfall received over Gujarat was 37 mm (46% excess) during 01 October - 10 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) over Gujarat is above normal for week-1 and below normal for week-2.

- Regularly monitoring for borer in brinjal crop is advised. To manage, it is advised to install 4-6 pheromone traps per acre. In case of heavy incidence, spray Chlorpyrifos 50 EC 20 ml or Emamectin benzoate 5 SG 3 g or Thiodicarb 50 WP 10 g in 10 litres of water.

West Bengal

The amount of rainfall received over Gangetic West Bengal was 119 mm (-19% deficit) and Sub Himalayan West Bengal was 208 mm (39% excess) during 01 October - 10 November 2022. The

extended range weather forecast (rainfall) for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) is normal over Gangetic West Bengal and below normal over Sub-Himalayan West Bengal during week-1 and week-2.

- It is the optimum time to harvest and post-harvest processes for late transplanted *kharif* rice.

Uttarakhand

The amount of rainfall received over Uttarakhand was 118 mm (250% large excess) during 01 October - 10 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) over Uttarakhand is below normal for week-1 and normal for week-2.

- For the control of weeds in apple orchards, it is advised to spray Glyphosate on weeds @ 2.5 ml per litres of water.

Jharkhand

The amount of rainfall received over Jharkhand was 93 mm (17% excess) during 01 October - 10 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) over Jharkhand is normal for week-1 and above normal for week-2.

- Farmers wishing to cultivate chickpea (gram) crop, may sow after field preparation. The recommended varieties for Desi (indigenous) gram are *BG-3043*, *GNG-2207*, *KGP-59*, *Birsa chana-3* and Kabuli varieties are *HK-9431*, *Kak-2*.

Himachal Pradesh

The amount of rainfall received over Himachal Pradesh was 47 mm (49% excess) during 01 October - 10 November 2022. The extended range weather forecast (rainfall) provided for the next two weeks (11 - 17 November 2022 and 18 - 24 November 2022) over Himachal Pradesh is normal for week-1 and above normal for week-2.

- In mid hill of the state, it is advised to transplant seedlings of cauliflower (*Palam Uphar*, *Improved Japanese* and; Hybrids: *Megha*, *Barkha*, *Shweta*, *Madhuri*, *Maharani*, *Lucky-626*, *White Gold* etc and cabbage (*Golden Acre*, *Pride of India* and *Pusa Mukta*) and its hybrids (*Varun* and *Bahar*).
- It is also the optimum time for sowing of rapeseed - mustard group of crops. The varieties recommended are *HPN-3*, *ONK-1*, *GSC-7* of gobhi sarson; *Trombay Him Palam Mustard-1*, *HPBS-1* and *KBS-3* varieties of brown sarson, *RCC-4* of raya and *Jayanti* variety of Karan rai.

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