



# **National Agromet Advisory Services Bulletin**

**Date of issue: 28 October 2022**

based on

**Extended Range Weather Forecast (ERFS)**

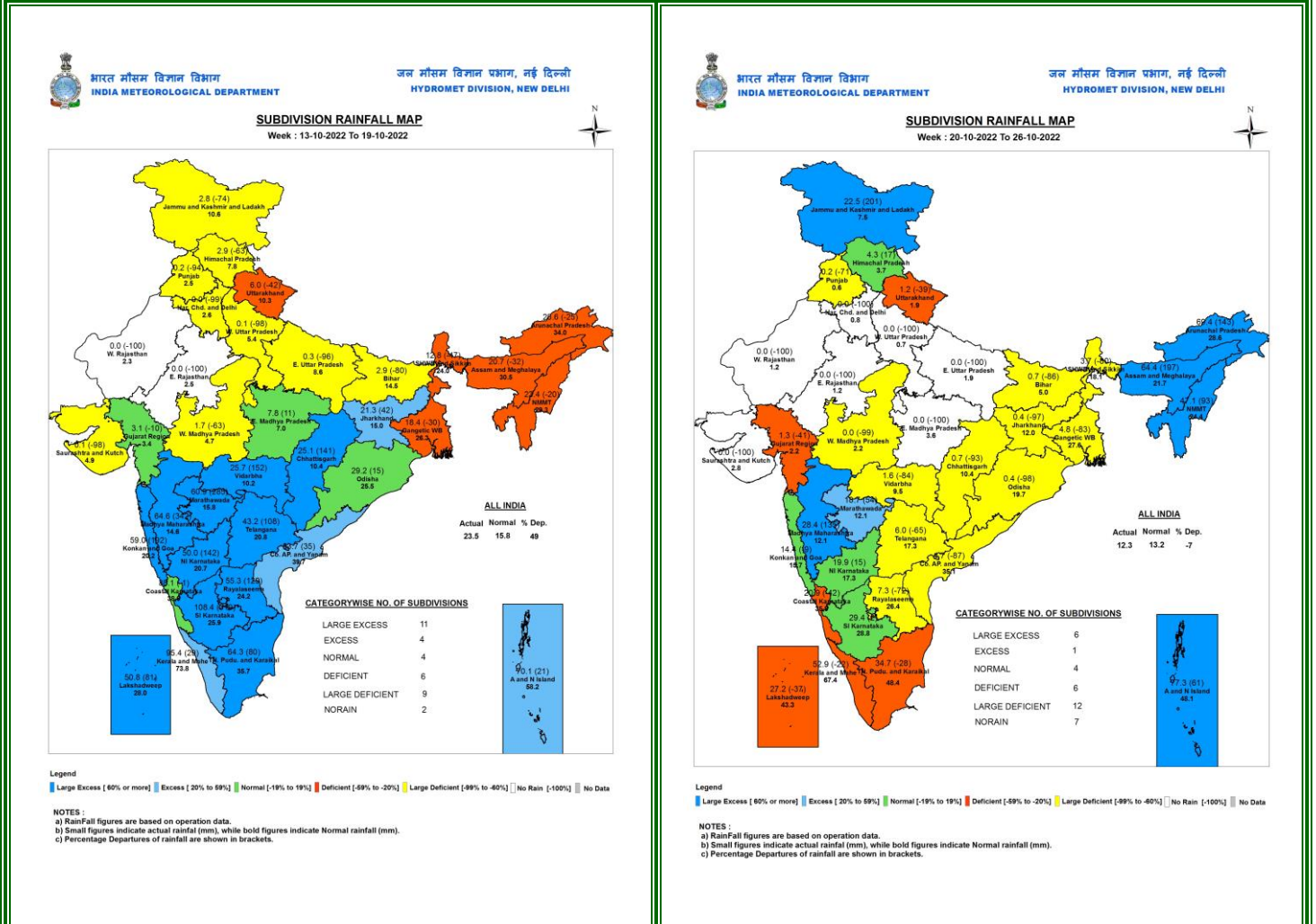
**Validity: 28 October - 10 November 2022**

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**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)

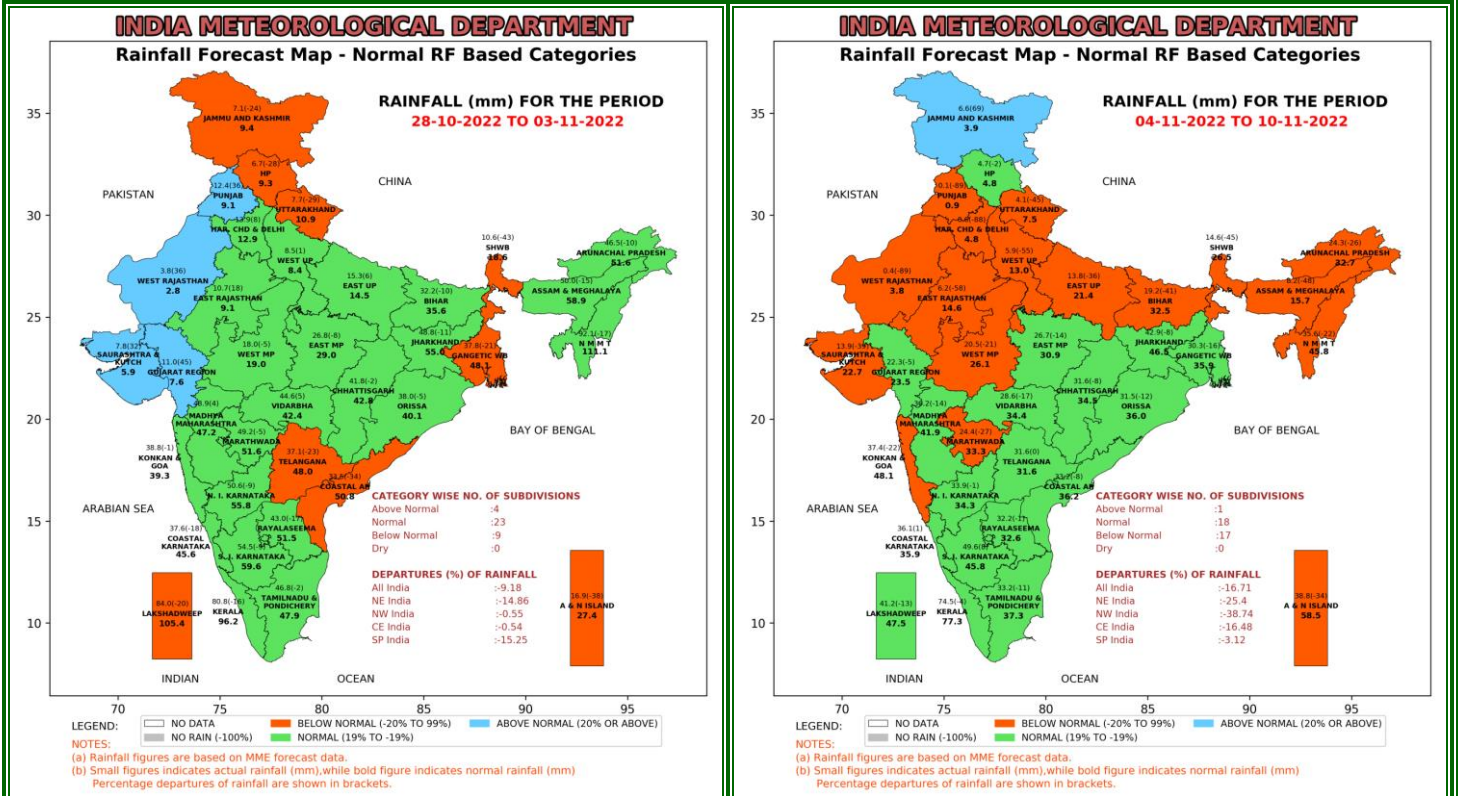
### Realized Rainfall (13<sup>th</sup> to 26<sup>th</sup> October, 2022)



- Normal or above normal rainfall occurred in both the weeks in Konkan & Goa, Madhya Maharashtra, Marathwada, Interior Karnataka and Andaman & Nicobar Islands.
- Normal or above normal rainfall occurred in either of the two weeks in Jammu & Kashmir and Ladakh (UTs), Himachal Pradesh, Jharkhand, Assam & Meghalaya, Arunachal Pradesh, Nagaland Manipur Mizoram & Tripura (NMMT), East Madhya Pradesh, Chhattisgarh, Odisha, Gujarat Region, Vidarbha, Telangana, Andhra Pradesh & Yanam, Coastal Karnataka, Tamil Nadu Puducherry & Karaikal, Kerala & Mahe and Lakshadweep.
- Below Normal rainfall/no rain occurred in both the weeks over Uttarakhand, Punjab, Haryana Chandigarh & Delhi, Uttar Pradesh, Bihar, West Bengal & Sikkim, Saurashtra & Kutch, Rajasthan and West Madhya Pradesh.

## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC- 26<sup>th</sup> October) (28<sup>th</sup> October to 10<sup>th</sup> November, 2022)



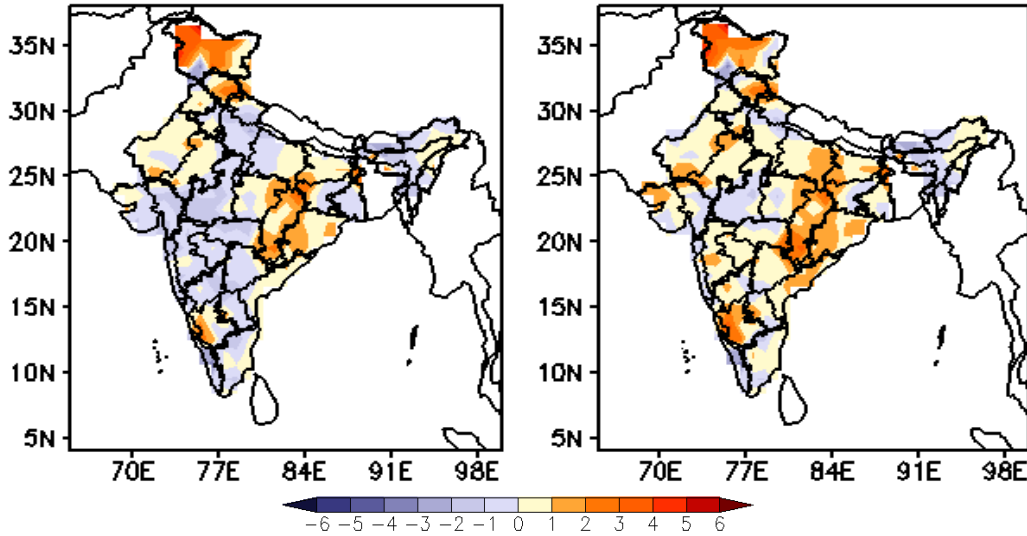
- **Week 1 (28.10.2022 to 03.11.2022):** Rainfall is likely to be normal over most parts of the country.
- **Week 2 (04.11.2022 to 10.11.2022):** Rainfall is likely to be normal over the southern peninsula.

**Maximum and Minimum temperature anomaly ( $^{\circ}\text{C}$ ) forecast  
for next 2 weeks (IC- 26<sup>th</sup> October)  
(28<sup>th</sup> October to 10<sup>th</sup> November, 2022)**

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

(Week1: 28Oct-03Nov)

(Week2: 04Nov-10Nov)



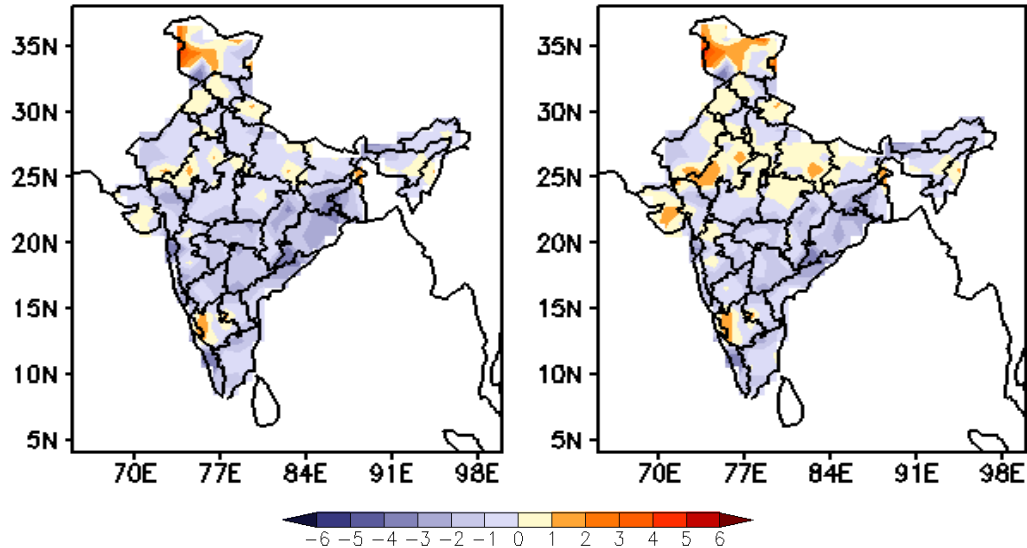
**Maximum Temperature (Tmax)**

- Week 1 (28.10.2022 to 03.11.2022) and Week 2 (04.11.2022 to 10.11.2022): Tmax will be slightly above normal particularly over eastern parts of the country during the period.

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

(Week1: 28Oct-03Nov)

(Week2: 04Nov-10Nov)



**Minimum Temperature (Tmin)**

- Week 1 (28.10.2022 to 03.11.2022) and Week 2 (04.11.2022 to 10.11.2022): Tmin is likely to be normal to below normal over most parts of the country during the period.

## **Agromet Advisories**

### **Uttar Pradesh**

The amount of rainfall received over East Uttar Pradesh was 149 mm (349% large excess) and over West Uttar Pradesh was 140 mm (585% large excess) during 01 October - 27 October 2022. The extended range weather forecast (rainfall) for the next two weeks (28 October - 03 November 2022 and 04 - 10 November 2022) is normal over East Uttar Pradesh and West Uttar Pradesh for week-1; below normal for week-2.

#### *Western Uttar Pradesh*

- Farmers are advised to harvest paddy crop which attained physiological maturity.
- Under sufficient moisture condition, farmers are advised for the owing of potato with recommended varieties like *Kufri Jyoti*, *Kufri Bahar*, *Kufri Sheetman*, *Kufri Pukhraj* and *Kufri Chipsona-1*.

### **Bihar**

The amount of rainfall received over Bihar was 81 mm (43% excess) during 01 October - 27 October 2022. The extended range weather forecast (rainfall) for the next two weeks (28 October - 03 November 2022 and 04 - 10 November 2022) is normal for week-1 and below normal for week-2.

- Due to the availability of sufficient soil moisture, farmers are advised for field preparation and planting of crops like potato, mustard, cabbage and cauliflower, lentil and pea.
- Under prevailing weather condition, sowing of sunflower is advised with recommended varieties viz., *Mordane*, *Surya*, *CO-1*, *Pairadevik* are composite varieties of sunflower and *BSH-1*, *KBSH-1*, *KBSH-44*, *MSFH-1*, *MSFH-8* and *MSFH-17* are hybrid varieties of sunflower are recommended for sowing in north Bihar.

### **Kerala**

The amount of rainfall received over Kerala was 202 mm (-25% deficit) during 01 October - 27 October 2022. The extended range weather forecast (rainfall) for the next two weeks (28 October - 03 November 2022 and 04 - 10 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 incidence in cucurbitaceous vegetables. To control, 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 157 mm (9% excess) during 01 October - 27 October 2022. The extended range weather forecast (rainfall) for the next two weeks (28 October - 03 November 2022 and 04 - 10 November 2022) is normal for week-1 and week-2.

- Irrigation may be skipped since there is a normal rainfall forecast for the next two weeks.
- 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 (113% large excess) rainfall over Madhya Maharashtra; 132 mm (86% large excess) in Marathwada; 168 mm (49% excess) in Konkan region and 87 mm (58% excess) over Vidarbha was recorded during 01 October - 27 October 2022. The extended range weather forecast (rainfall) for the next two weeks (28 October - 03 November 2022 and 04 - 10 November 2022) is normal over Madhya Maharashtra, Marathwada, Konkan and Vidarbha for week-1 and; below normal over Konkan, Marathwada and normal over Madhya Maharashtra and Vidarbha for week-2, respectively.

### *Vidarbha*

- Under prevailing dry weather condition, it is advised for clean picking of burst bolls in earlier sown cotton and properly dry the produce before safe storage.
- Under prevailing weather condition, farmers are advised to complete the sowing of rainfed chickpea with recommended varieties like *Jaki 9218*, *Vijay* and *PDKV Kanchan*.

### *Marathwada*

- Remove the water from custard apple orchard where rainfall was received. Harvesting of mature fruits in custard apple orchard is advised.
- For management of sigatoka disease in banana, it is advised to spray Metiram 55% + Pyraclostrobin 5% WG @ 10 g per 10 litres of water during clear weather condition.

### *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.

## **Odisha**

The amount of rainfall received over Odisha was 124 mm (17% excess) during 01 October - 27 October 2022. The extended range weather forecast (rainfall) provided for the next two weeks (28 October - 03 November 2022 and 04 - 10 November 2022) over Odisha is normal for week-1 and week-2.

- Under prevailing weather condition, sowing of onion is advised with recommended varieties like *Agri found light Red*, *Agri found Dark Red*, *Bhima Shakti*, *Bhima Super* etc. during

winter season.

- To manage gundi bug in paddy, it is advised to spray Chlorpyrifos 20% EC @ 400 ml/acre or Malathion 50% EC @ 400 ml/acre by mixing in 200 litres of water.

### **Jammu**

40 mm of rainfall (28% excess) was received over Jammu during 01 October - 27 October 2022. The extended range weather forecast (rainfall) provided for the next two weeks (28 October - 03 November 2022 and 04 - 10 November 2022) over Jammu is below normal for week-1 and above normal for week-2.

- Farmers may go for sowing of mustard (var. *Pusa Bold*, *RSPR-01*, *RSPR-03*, *Kranti*) at optimum soil moisture (*vattar* condition) of soil.
- It is advised to apply Nuvan @ 1ml/litre of water in cabbage nursery to avoid the infestation of cabbage caterpillar/leaf eating caterpillars.

### **Assam**

The amount of rainfall received over Assam during 01 October - 27 October 2022 was 221 mm (54% excess). The extended range weather forecast (rainfall) provided for the next two weeks (28 October - 03 November 2022 and 04 - 10 November 2022) over Assam is normal for week-1 and below normal for week-2.

- Farmers are advised to continue land preparation for cultivation of potato with recommended varieties like *Kufri Chandramukhi*, *Kufri Jyoti*, *Kufri Megha*, *Kufri Sindhuri*, *Kufri Pukhraj* etc.

### **Karnataka**

Rainfall received during 01 October - 27 October 2022 over South Interior Karnataka was 220 mm (78% large excess), 159 mm (62% large excess) over North Interior Karnataka and 139 mm (-22% deficit) over Coastal Karnataka. The extended range weather forecast (rainfall) for the next two weeks (28 October - 03 November 2022 and 04 - 10 November 2022) is normal over North Interior Karnataka, South Interior Karnataka and Coastal Karnataka for week-1 and; week-2.

#### *South Interior Karnataka*

- Under prevailing weather following crops with recommended varieties are advised:  
Finger millet: (var. *Indaf-5,7,9*, *ML-365*, *KMR-301*), 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 (25% excess) during 01 October - 27 October 2022. The extended range weather forecast (rainfall) provided for the next two weeks (14-20 October 2022 and 21-27 October 2022) over Chhattisgarh is normal for week-1 and week-2.

- Under prevailing weather condition, winter vegetables like cauliflower, cabbage and knolkhol early varieties are advised for nursery sowing.
- To protect 6-7 weeks poultry birds from Ranikhet and Smallpox diseases, proper vaccination of birds is advised.

### **Madhya Pradesh**

The amount of rainfall received over East Madhya Pradesh was 87 mm (147% large excess) during 01 October - 27 October 2022. The extended range weather forecast (rainfall) provided for the next two weeks (28 October - 03 November 2022 and 04 - 10 November 2022) over Madhya Pradesh is normal for week-1 and week-2.

- Under prevailing weather condition, field preparation for sowing of field pea, potato, mustard and lentil crops is advised.

### **Punjab**

The amount of rainfall received over Punjab was 9 mm (16% excess) during 01 October - 27 October 2022. The extended range weather forecast (rainfall) provided for the next two weeks (28 October - 03 November 2022 and 04 - 10 November 2022) over Punjab is normal for week-1 and below normal for week-2.

- It is an optimum time for sowing of nursery of tomato, brinjal, chilli and capsicum for early and higher yield.
- As weather is expected to remain clear and dry, it is advised to complete the harvesting of paddy as soon as possible.

### **Anantapur**

The amount of rainfall received over Coastal Andhra Pradesh was 199 mm (27% excess) and over Rayalaseema was 138 mm (+21% excess) during 01 October - 27 October 2022. The extended range weather forecast (rainfall) provided for the next two weeks (28 October - 03 November 2022 and 04 - 10 November 2022) over Coastal Andhra Pradesh is below normal and Rayalaseema is normal for week-1 and normal over Coastal Andhra Pradesh and Rayalaseema for week 2.

- Current weather conditions are favorable for incidence of leaf folder, stem borer and sheath blight in rice grown in SPSR Nellore, Tirupati, Chittoor, YSR Kadapa, Prakasam, Nandyal, Alluri Sitharaman Raju, B.R. Ambedkar Konaseema and East Godavari districts. To control the leaf folder and stem borer, farmers are advised to spray Acephate @ 1.5 g or Chlorantraniliprole @ 0.4 ml/litre of water and to control the sheath blight, spray Hexaconazole @ 2.0 ml or Propiconazole @ 1.0 ml/litre of water.

### **Disclaimer:**

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