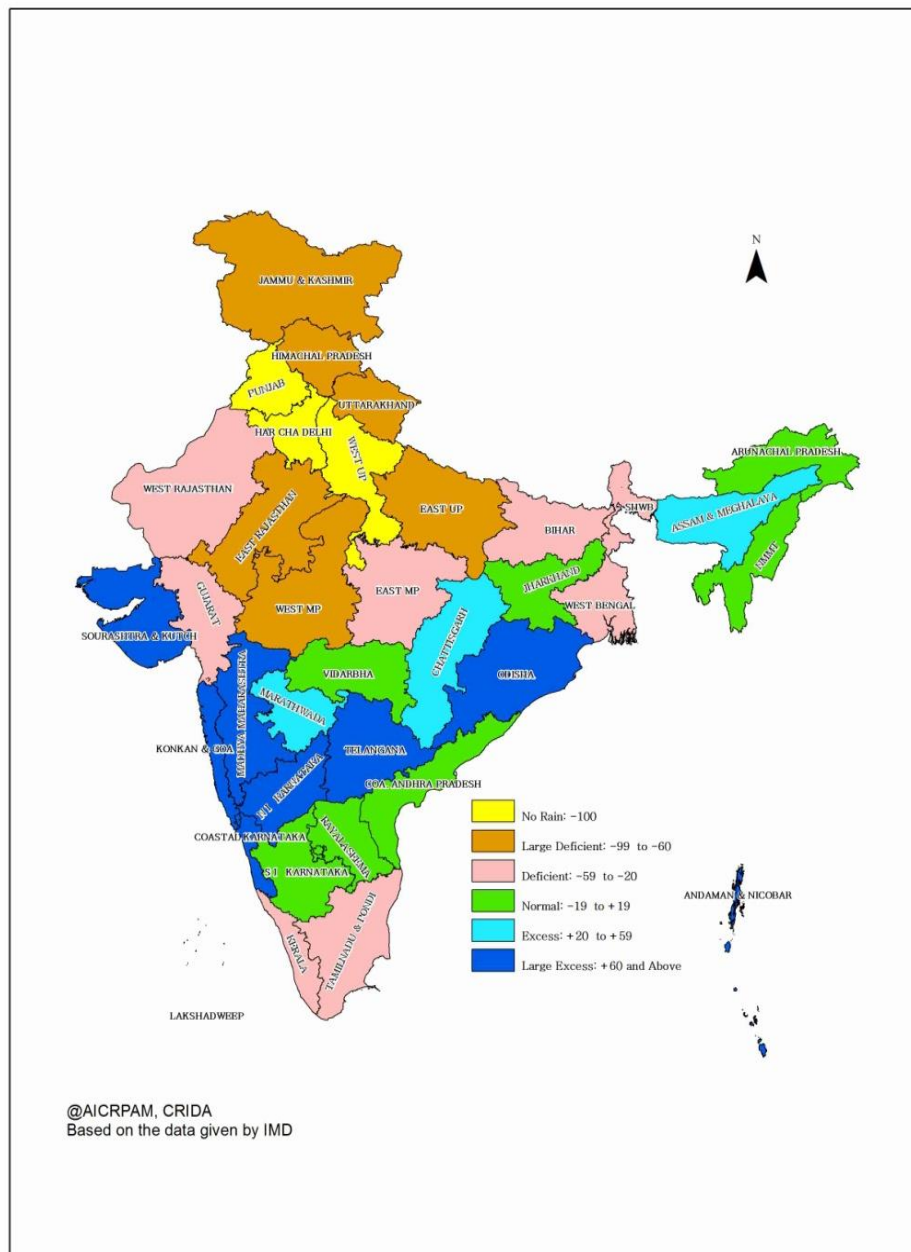


## Weather conditions and Agromet advisories issued during October 2020

### 1. General Weather Conditions

During 1 October – 31 October 2020, the country as a whole received 77.9 mm rainfall, which is 4% excess rainfall, compared to the normal rainfall for the same period (74.8mm). Out of 36 meteorological sub-divisions, rainfall was large excess, excess, normal, deficient, large deficient and no rain in 8, 3, 7, 9, 6 and 3 subdivisions, respectively as depicted in Fig. 1.



## 2. Agromet advisories issued by AICRPAM centers during October2020

Date of issue	Advisory issued for the region	Agromet Advisory issued
02-10-2020	Himachal Pradesh	Prevailing weather is congenial for the attack of pink eye disease in newly born calves. It is advised to prepare the solution of 1% boric acid in boiled water and wash eyes at regular interval of three hours.
	Assam	Due to rainfall, high humidity and high temperature, there is a possibility of occurrence of blast and brown spot disease in Sali rice. To control, application of Carbendazim @ 1.0 g/litre of water is advised.
	Bihar	Under prevailing weather condition, nursery sowing of late varieties of cauliflower is advised. Recommended varieties are Maghi, Snoking, Pusa snoking-1, Pusa-2, Pusa snowball-16 and Pusa snowball K-1.
	North Interior Karnataka	Farmers are also advised to sow the crops in rows across the slope to facilitate better soil moisture conservation.
09-10-2020	Konkan	Due to chances of intermittent rainfall and high temperature, there is a possibility of incidence of army worm in early, mid and late rice varieties. To control, it is advised to harvest the matured early rice varieties immediately and in mid and late rice varieties, spray Lambda cyhalothrin 5% EC @ 6 ml or Cypermethrin 25% EC @ 3 ml per 10 litres of water.
	Jharkhand	Due to the chances of rainfall, land preparation is advised for the sowing of vegetable pea. Recommended varieties are Arkle, Azad pea, Pusa Pragati, Kashi Nandini, PM - 113
	Hisar	Due to high humidity and favorable temperature, farmers are advised to monitor the insect pest/diseases in rice crop.
	South Interior Karnataka	Under prevailing weather condition, there is a chance of wilt disease in redgram. It is advised for drenching with Carbendazim 50 WP @ 2 g/litre of water. Remove and burn the infected plants in the field.
16-10-2020	Marathwada	Due to rainy weather condition, farmers are advised to make proper arrangement so that water may not stagnate in crop fields and also arrange to remove excess amount of water from crop fields.

<b>16-10-2020</b>	<b>Kerala</b>	Due to rainy weather condition, there is a chance of downy mildew disease in cucurbits. To control, it is advised to spray Propineb 70 WP @ 2.5g per litre or Mancozeb75 WP @ 3g per litre of water.
	<b>Tamil Nadu</b>	Under the prevailing weather condition, farmers are advised to monitor fall army worm incidence in maize. If incidence is noticed, spray Azadirachtin 1 EC @ 2 ml/litre or Thiodicarb 75 WP @ 2 g/litre or Emamectin benzoate 5 SG @ 0.4 g/litre or Spinetoram 12 SP @ 0.5 ml /litre of water.
	<b>Madhya Maharashtra</b>	Under prevailing weather condition, sowing of safflower (varieties SSF-708 and PBNS-120 and sunflower (Phule Bhaskar Variety) is advised.
<b>23-10-2020</b>	<b>Eastern Uttar Pradesh</b>	Under the prevailing weather condition, sowing of chickpea, mustard, potato, pea and other <i>rabi</i> vegetables is advised.
	<b>Jammu</b>	Due to prevailing dry weather condition, it is advised to irrigate the vegetable and young fruit plants
	<b>Rajasthan</b>	Prevailing mean temperature is suitable for sowing of garlic. Recommended cultivars are G-1, G-41, G-50 and G-282.
<b>30-10-2020</b>	<b>Punjab</b>	Under prevailing weather condition, farmers are advised to start the sowing of wheat with varieties Unnat PBW 343, PBW 1 Zinc, PBW 725, PBW 677, HD 3086, WH 1105, PBW 621, HD 2967 and WHD 943 / PDW 291 (durum wheat).
	<b>Madhya Pradesh</b>	Monitoring of insect-pest and leaf blight disease and false smut diseases is advised in rice crop. Apply recommended fungicide application for the control of diseases.
	<b>Odisha</b>	Prevailing high humid weather condition is favorable for brown plant hopper (BPH) and white backed plant hopper (WBPH) infestation in paddy. It is advised to spray Neem based pesticide (Azadirachtin) 1500 ppm @ 600 ml/acre or Pymetrozine 50% WG @ 120 g/acre or Dinotefuran 20% SG @ 80 g/acre or Flonicamid 50% WG @ 60 g/acre or Triflumezopyrim 10% SC @ 100 ml/acre at the base of the plant.
	<b>West Bengal</b>	Prevailing temperature and humid weather conditions are congenial for the spread of thrips and mites in chilli. It is advised to spray Diafenthiuron @ 0.75g / litre of water at 7-10 days interval.

## **Extreme rainfall situation and related agromet advisories issued**

During the month of October, heavy to very heavy rainfall occurred over Telangana, Odisha, North Interior Karnataka, Andaman & Nicobar Island, Coastal Karnataka, Saurashtra & Kutch, Konkan & Goa and Madhya Maharashtra. Telangana received 168.5 mm rainfall, which is 82% large excess rainfall, compared to the normal rainfall for the same period (92.5 mm). Odisha received 162.1 mm (62% large excess) against the normal rainfall of 100.2 mm. The rainfall received (241.8 mm) was (119% large excess) against the normal rainfall of 110.5 mm over Konkan & Goa. Madhya Maharashtra received 155.6 mm rainfall and normal rainfall was 73.3 mm (112% large excess). On the other hand Andaman & Nicobar Island received 480.9 mm rainfall, which is 7% large excess rainfall, compared to the normal rainfall for the same period (284.4 mm).

Contingency measures were advised during this excess rainfall.

1. Drain out excess water from paddy and non-paddy fields.
2. Provide adequate drainage channel to avoid water logging in the field.
3. Earthling up should be done in case of vegetables.
4. Wash out mud from the paddy leaves by spraying water just after receding of excess water.
5. Tie the tillers into a bundle.
6. Spray 5% salt solution to avoid germination of matured grains.
7. Harvest the matured produce and keep them in safe place.