

All India Coordinated Research Project on Agrometeorology (AICRPAM)

ICAR-Central Research Institute for Dryland Agriculture

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Weather Conditions and Agromet Advisories Issued during October 2018

1. General Weather Conditions

During 1- 31 October 2018, the country as a whole has received 35.3 mm rainfall, which is 55% deficit compared to the normal rainfall for the same period (80.9 mm). Out of 36 meteorological sub-divisions, rainfall was large excess in 3 sub-divisions; excess in 0; normal in 6; deficient in 24 sub-divisions. The percent deviation of rainfall received from normal under different categories during 1 - 31 October, is depicted in Fig. 1

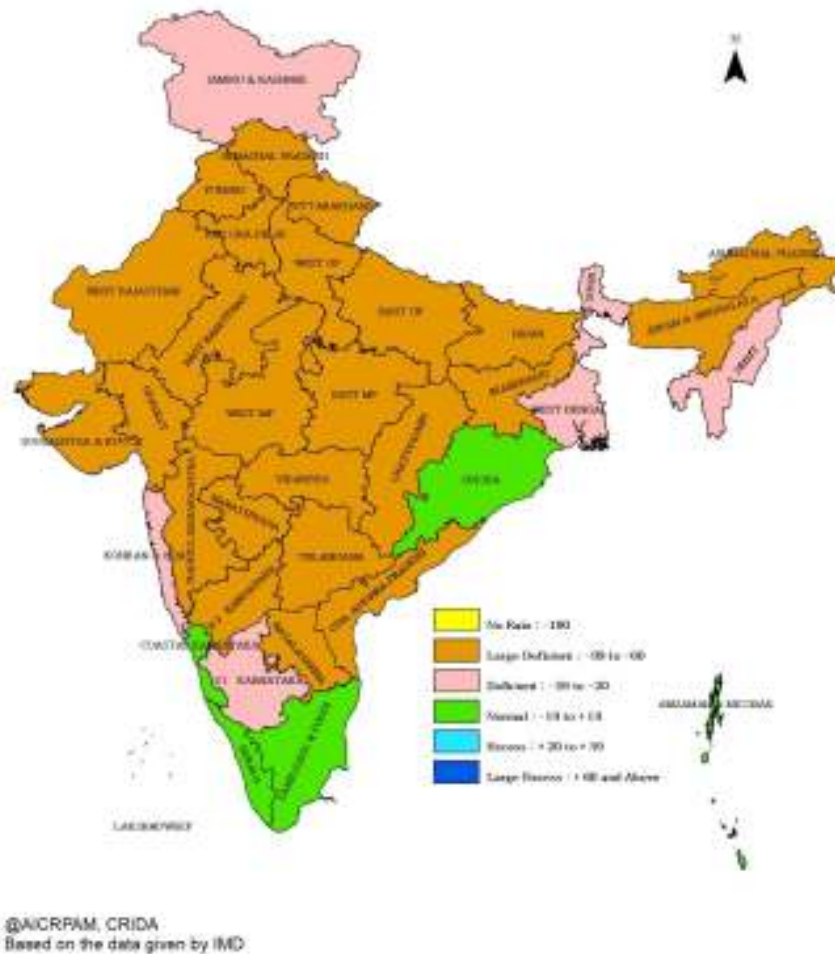


Fig. 1: Meteorological sub-divisional-wise rainfall received during 1 – 31 October, 2018

2. Agromet advisories issued by ICAR-All India Coordinated Research Project on Agrometeorology (AICRPAM) centers during October 2018

Date of issue	AICRPAM Center	Agromet Advisory issued
05-10-2018	Kerala	<ul style="list-style-type: none"> • There is a chance of Sigatoka disease in banana. As a precaution, spray Pseudomonas 20g/litre. In case of severe attack, spray 2 ml hexaconazole or 1 ml propiconazole per one litre of water by mixing it with a sticker and spray on both the surface of the leaf. • Shoot and fruit borer affected parts in cowpea can be removed. Apply 5% Neem Kernel Suspension to control shoot and fruit borer in the initial stage. Spray Flubendiamide 2ml/10 litres of water or Chloramtraniliprol 3 ml/10 litres if the attack is severe.
	Tamil Nadu	<ul style="list-style-type: none"> • Farmers are advised to monitor army worm incidence in maize. The larvae scrapping the leaves, makes small to medium elongated pin holes and causes loss of top portion of leaves. If symptoms were noticed, spray any one of the following pesticide to control. <ul style="list-style-type: none"> ➤ Chlor Andrinilburol - 0.3 ml/litre. ➤ Emamexon Benzoate - 0.4 ml/litre. • Prevailing weather condition is favorable for Citrus canker disease incidence. To control spray Copper OxyChloride 0.2% at fortnight intervals.
	North Interior Karnataka	<ul style="list-style-type: none"> • Due to continuous rainfall received last couple of days, intercultural operation is recommended for overcome weed infestation. • To control stem borer in Maize, spray Quinolphos-25 EC @ 2ml/litre of water or Chlorophyrifos - 20 EC @ 2ml/litre of water.

12-10-2018	Madhya Maharashtra	<ul style="list-style-type: none"> • To control Army worm on crops like Maize, sugarcane etc, use 5 tricocard per hectare. Under severe incidence spray chlorpyriphos/ quinalphos/ Trizophos @ 15-20 ml per 10 litres water. • Install 5 pheromone traps/ha in pigeonpea. To destroy eggs of Helicoverpa armigera spray chlorpyriphos/ quinalphos @ 20 ml per 10 litres water. • For control of powdery mildew in ber spraying of contaf @ 1 ml per litre water should be done. • For control of leaf eating caterpillar in drum stick spraying of chloropyriphos @ 1.5 ml per litre water should be done. • As 66% deficit rainfall is forecasted, farmers are advised to provide proper irrigation to crops on field.
	Jharkhand	<ul style="list-style-type: none"> • Recommended varieties of mustard are Shiwani, Varuna, Pusa Bold, BR-40 etc. 3 kg seeds are required for cultivation in one acre. Farmers are advised to sow the seed in line at a distance of 30 cm (row to row) and 10 cm. (plant to plant). • Recommended varieties of rainfed wheat are HDR-77, K-8027, Birsa genhu – 3 etc. 50 kg seeds/acre is required for cultivation. Seed may be sown in line at a distance of 22 cm (Row to row) and 7 cm. (Plant to plant).
	Rajasthan	<ul style="list-style-type: none"> • Farmers are advised to harvest soybean, maize, sorghum, green gram and bajra wherever attained physiological maturity stage, and vacate the field for sowing of rabi crops. • Field preparation should be started for rabi crops. Ploughing and planking should be done properly. • Sowing of mustard should be done with the row to row spacing of 30 cm. Use improved varieties for mustard like Bio-902, Varuna, NRCHB-10, Giriraj etc. • Field sanitization should be done before sowing of rabi crops. Bunds, channels, uncultivated fields and field roads should be cleaned by removing weeds.

19-10-2018	Konkan	<ul style="list-style-type: none"> • There is forecast of rainfall, hence harvest the matured rice crop in morning hours and follow immediate threshing of rice; the threshed grains should be dry in sun for 3 to 4 days. • There is forecast of rainfall, hence harvest the matured finger millet crop in morning by cutting of ear head with sickle and dry in the sun for 2-3 days and then follow threshing.
	Himachal Pradesh	<ul style="list-style-type: none"> • Field preparation should be completed for sowing of mustard and early sowing of wheat. For sowing of these crops, farmers are advised to arrange quality seeds. • Before rabi crop sowing (after cleaning fields), add well decomposed FYM or compost as it improves the physical and biological properties of the soil and also increases water retention capacity and nutrient status of the soil. • Complete early sowing of wheat immediately.
	Assam	<ul style="list-style-type: none"> • As below normal rainfall is forecasted, farmers are advised to provide desirable irrigation to crops. • At milky and dough stage, Gandhi bug infestation may be observed in sali rice. Farmers may take plant protection measures against Gundhi bug based on economic threshold level. To control rice bug infestation, farmers are advised to apply Malathion 5% dust @20 kg/ha.
	Bihar	<ul style="list-style-type: none"> • Sowing of mustard (yellow sarson) and rai is advised. Rajendrasarson-1, 66-197-3 and Swarna varieties of mustard and Baruna, Pusa bold, Kranti and Pusamahakvarieties of rai are recommended for sowing in north Bihar region. Application of 30-40 kg nitrogen, 40 kg phosphorous, 40 kg potassium and 30-40 kg sulphur per hectare is advised during last ploughing. • Land preparation is advised for rabi crops such as Potato, Gram, Rajma, Pea and rabi maize. Application of well decomposed FYM@150-200 quintal/ha is advised.

26-10-2018	Chattisgarh	<ul style="list-style-type: none">• For rabi crops, farmers can start their field operations in fallow fields. Farmers should go for sowing of chickpea, toria, horsegram, sunflower and forage crops.• Early varieties of winter vegetables like cauliflower, cabbage and knolkhol should be selected. Nursery sowing can be done. Preparation for nursery sowing of tomato, brinjal, chillies and capsicum can be done and seed treatment by Thiram should be done @ 2 gram/kg. seed.• Start planting of rabi onion.• If farmers have ready seedlings of Banana and Papaya, they may go for planting in main field.• For protection from worms, animals should be given Albendazole/ fenbendazole.
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