

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 2019

1. General Weather Conditions

During 1 October to 30 October 2019, the country as a whole received 109.7 mm rainfall, which is 13% excess, compared to the normal rainfall for the same period (76.0 mm). Out of 36 meteorological sub-divisions, rainfall was excess, normal and deficient in 11, 18 and 4 subdivisions, respectively. The rainfall distribution in different subdivisions during 1 October to 31 October 2019 is depicted in Fig. 1.

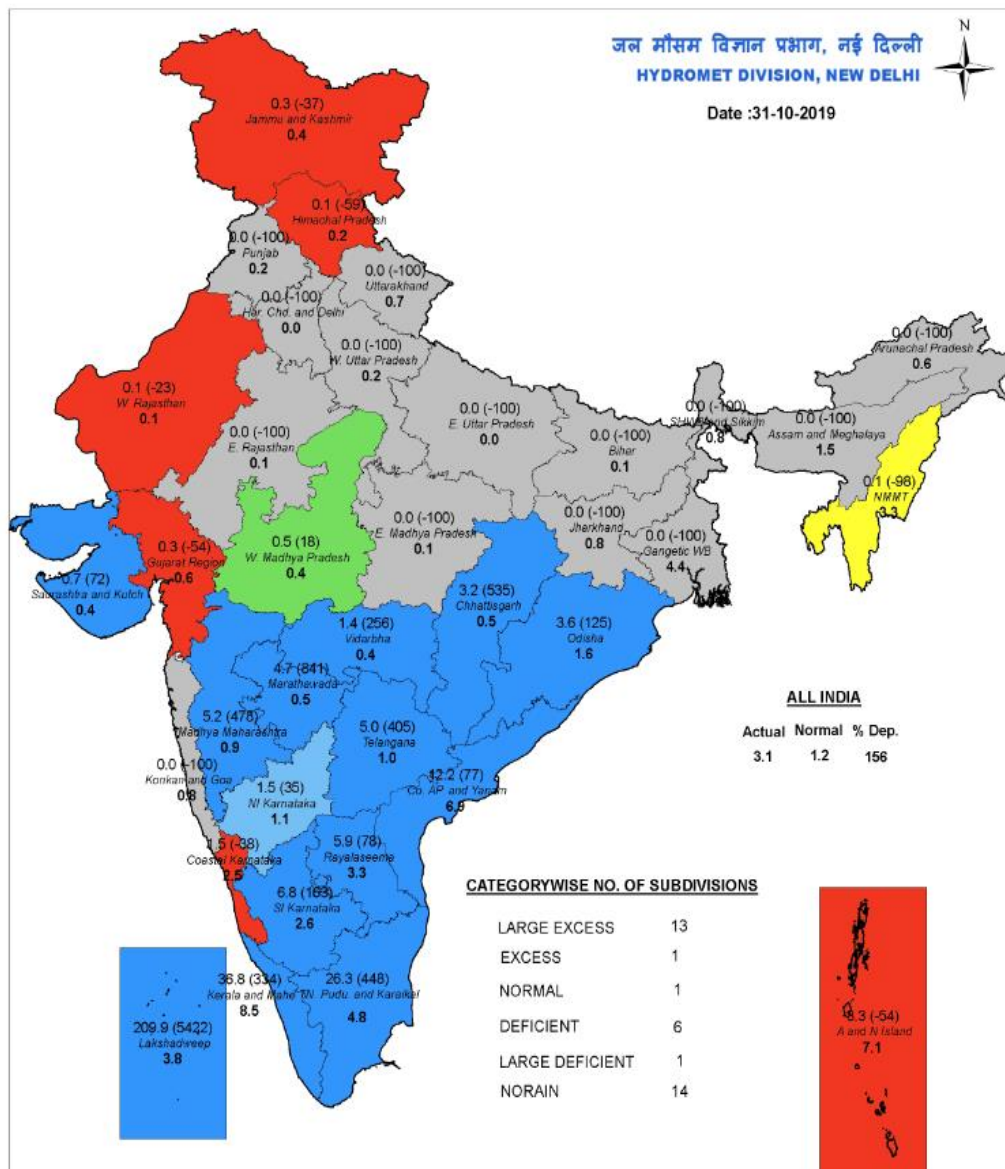


Fig. 1: Meteorological sub-division wise rainfall received during 1 October to 30 October 2019

**2. Agromet advisories issued by ICAR-All India Coordinated Research Project on
Agrometeorology (AICRPAM) centers during October 2019**

Date of issue	AICRPAM Center	Agromet Advisory issued
04-10-2019	Punjab	Due to rainy and cloudy weather conditions, there is a chance of stem borer and leaf folder infestation in basmati rice fields. If stem borer damage exceeds ETL i.e., 2 % dead hearts, apply insecticides in rice like Coragen 18.5 SC@60 ml/acre or Ferterra 0.4g @ 4 kg/acre or Padan/Caldan/Nidan 4G @ 10 kg/acre or Regent /Mortel 0.3 G @ 6 kg/acre. These insecticides also control leaf folder
	Assam	Due to favourable weather, there may be attack of rice hispa in some pockets of rice field. The farmers are advised to spray Quinalphos 25EC @2000 ml/ha.
11-10-2019	Uttarakhand	Spray with Imidacloprid @0.5% or Neem oil@2-2.5ml during clear weather in non rainy days to check the population of white fly. In pulses use light trap during night to protect against pests on cucurbits. Field sanitization is advised before sowing of onion nursery. Apply seed treatment with fungicides, insecticides or bio agents before sowing. Give water as needed because excess water makes the plant susceptible to disease.
	Kerala	During rainy season, there is a chance of fruit rot and leaf fall in nutmeg. It is advised that as a prophylactic measure, apply Trichoderma mixture. Add 2 kg Trichoderma to a mixture of 90 kg FYM and 10 kg Neem cake and keep for two weeks with sufficient moisture. Basal application of 2.5 kg of this mixture, followed by foliar spray with pseudomonas (20g/litre) or 1% Bordeaux mixture is recommended.

	Gujarat	Under prevailing weather condition of high temperature and low humidity, infestation of thrips and jassids are likely in cluster bean. It is advised to spray Imidacloprid 17.8 % 5 ml or Thiomethoxam 6g in 10 litre of water for control of thrips and jassids.
18-10-2019	Jharkhand	Recommended variety of mustard for this region are Shiwani, Varuna, Pusa Bold, BR-40 etc. 3 kg seeds are required for cultivation in one acre. Sow the seed in line at a distance of 30 cm (row to row) and 10 cm. (plant to plant). Farmers wishing to cultivate linseed crop may start sowing. Recommended varieties for this region are Sweta, Shubhra, T-397 etc. 8-9 kg seeds are required for cultivation in one acre.
	Konkan	Due to cloudy and humid weather condition, there is a possibility of incidence of hoppers, midge fly and shoot borer on vegetative flush of mango to protect the flush of mango, spray Lambda Cyhalothrin 5%EC @ 6ml or Quinalphos 25% EC @ 25 ml/10 litre of water.
25-10-2019	Odisha	If sheath blight is infested in rice crop spray effective fungicides like Propiconazole 25% (Tilt) @ 1ml/litre, (Rhizocin 3L, or Sheathmar 3L) @ 2ml/ litre of water) or Tebuconazole 50%+ Trifloxystrobin 25% (Nativo 75 WG) @ 0.4g/litre or Contaf 5 EC (Hexaconazole 5EC) @ 2ml/ litre of water or Thifluzamide 24SC @ 1ml/ litre of water or Bavistin 50WP (Carbendazim 50WP) 2.5 g/ litre of water.
	West Bengal	Attack of white fly has been reported from many areas leading to the spread of yellow mosaic virus in okra due to present hot and humid condition, spray Difenthiuron @ 0.75g per lit. of water to prevent the further spread of the disease.
	Karnataka	To control stem borer in maize crop, spray Quinolphos-25 EC @ 2ml/litre of water or Chlorophyriphos -20 EC @ 2ml/litre of water.
01-11-2019	Himachal Pradesh	Farmers are advised to harvest maize, paddy and pulses and also utilize the expected sunny skyconditions for hay making and drying of harvested crops. Dingri can be sown in closed room, maintain temperature at 25-28 oC and relative humidity of 80-85 % for good crop
	Madhya Maharashtra	For control of sucking pests (whitefly, jassids) on rabi crops like sorghum, sunflower, safflower, spray 15 ml of Dimethioate or Methyl demeton in 10 litres of water.