

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 September 2019

1. General Weather Conditions

During 1 June to 30 September 2019, the country as a whole received 968.3 mm rainfall, which is 10% excess, compared to the normal rainfall for the same period (880.6 mm). Out of 36 meteorological sub-divisions, rainfall was excess, normal and deficient in 10, 19 and 5 subdivisions, respectively. The rainfall distribution in different subdivisions during 1 June to 30 September 2019 is depicted in Fig. 1.

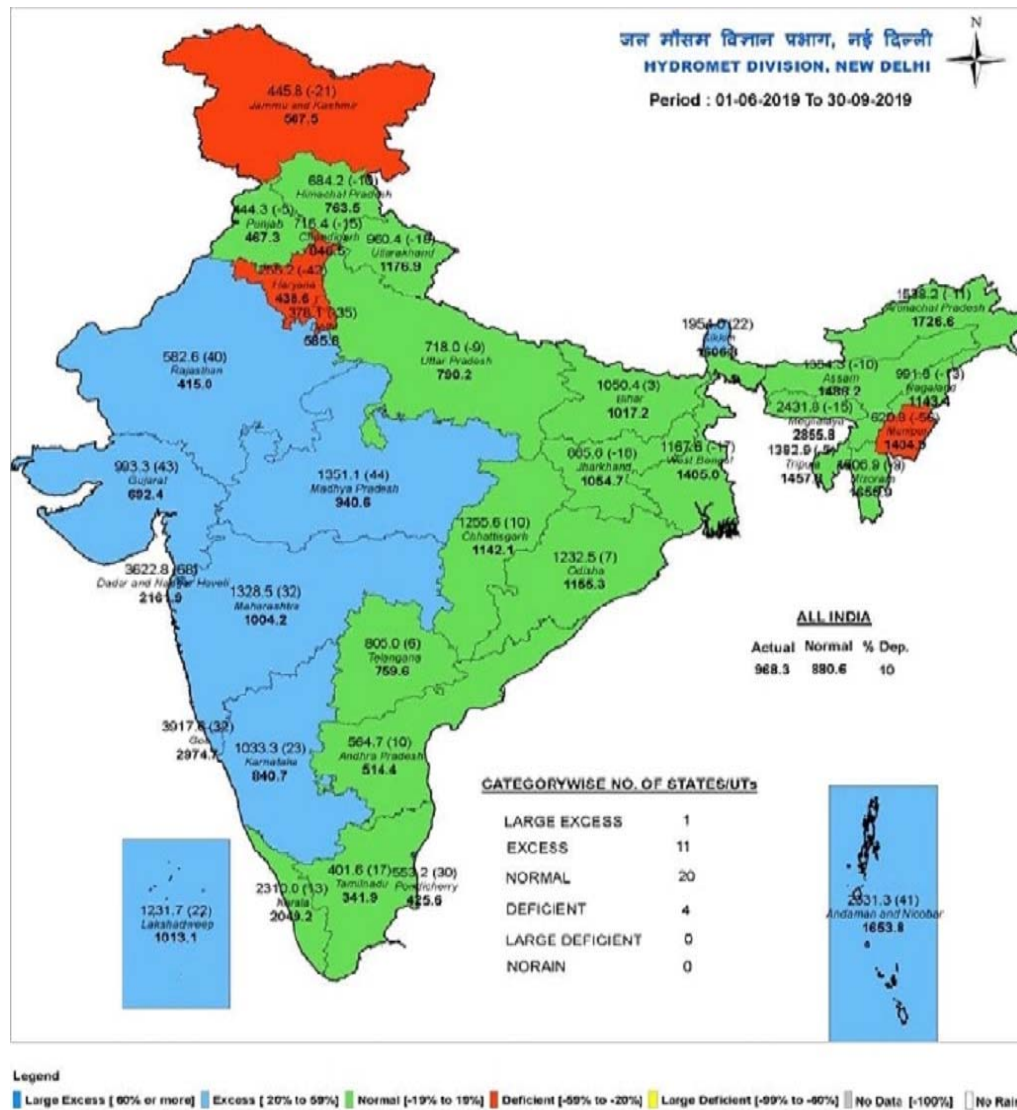


Fig. 1: Meteorological sub-division wise rainfall received during 1 September to 30 September 2019

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

Date of issue	AICRPAM Center	Agromet Advisory issued
06-09-2019	Assam	Due to favourable weather condition, there may be outbreak of rice swarming caterpillar in the farmers field. At initial stage, hand eradication or kerosene application in the field may be beneficial but if 25% of the field gets infested spray Chlorophyriphos 20EC or Quinalphos 25EC @ 1ml/litre.
	Chhatisgarh	Current weather is congenial for incidence of stem borer. Farmers are advised to use light traps in fields between 07:00 pm to 09:00 pm for effective control of pests. In case of heavy incidence, apply Fipronil / Cartap @ 25 kg/ha.
13-09-2019	Kerala	Due to heavy rains in monsoon season, there is a chance of quick wilt disease in pepper. To control quick wilt and pollu disease, drench the soil with 0.2% Copper oxychloride and spray the aerial part(plant) with 1% Bordeaux mixture as a prophylactic measure. Application of Trichoderma/ Psuedomonas culture will control the quick wilt infestation. There is a chance of mahali disease in arecanut due to heavy rainfall. The conidia of the fungus carried by wind and rainwater is favourable for disease spread. Prophylactic spraying of Bordeaux mixture (1%) or Copper Oxychloride 50WP (2g/l) with sticker is recommended.
	Tamil Nadu	Prevailing weather condition is favourable for occurrence of fruit rot and die back in chilli. To control the disease, spray Ziram 0.25% or Captan 0.2% or Miltox 0.2%. There is a chance of occurrence of red spider mite in bhendi. To control, spray Neem seed Kernel extract 5 %.

	Jammu	The present weather condition is favourable for attack of leaf blight in maize crop, to control spray mancozeb 75WP @ 0.25% or Zineb @0.02. If attack of stem borer is noticed, then apply the Carbofuran 3G @ 20kg/ha directly into the whorles.
20-09-2019	Andhra Pradesh	The prevailing conditions are favourable for incidence of blast and sheath blight in rice crop in East Godavari, Srikakulam, Vishakhapatnam, Vizianagaram, Ananthapuramu, Kurnool districts. Farmers are advised to spray Isoprothioline@1.5ml/L of water for control of blast and hexaconazole@2ml/L or Propiconazole@1ml/L of water for control of sheath blight.
	Uttarakhand	In present weather condition, monitor pulse crops regularly. If white flies or sucking pests are observed above ETL on crops, spray Imidacloprid @0.5-1.0 ml or Neem oil @2-2.5ml per liter of water with added adhesive in small quantity on a non rainy day.
27-09-2019	Vidarbha	Excess rain causes flower and square drop in cotton crop. Wilt also appear in water logged areas. Soil drenching with copper oxychloride 25 g + 100 g urea in 10 litres of water. Foliar spray of 2% DAP(200 g DAP + 10 litres of water) at boll development stage is advised in cotton for better productivity, especially in late sown cotton.
	Konkan	Due to forecast of increase in temperature, which is congenial for vegetative flush in cashewnut, spray Monocrotophos 36%SL @ 15 ml or Lambda cyhalothrin 5% EC @ 6 ml per 10 litre of water for protection.
	Uttar Pradesh	Under prevailing rainy weather conditions, there is a possibility for attack of yellow vein mosaic in urd bean. Hence farmers are advised to save them by using suitable protection measures.