

All India Coordinated Research Project on Agrometeorology (AICRPAM)

ICAR-Central Research Institute for Dryland Agriculture,
Hyderabad, Telangana – 500059

Weather conditions and Agromet advisories issued during October 2021

1. General Weather Conditions

During 01 - 31 October 2021, the country as a whole received 100 mm rainfall, which is 33% excess, compared to the normal rainfall (76 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was large excess, excess, normal and deficient in 15, 07, 08 and 06 sub-division(s), respectively as depicted in Fig. 1.

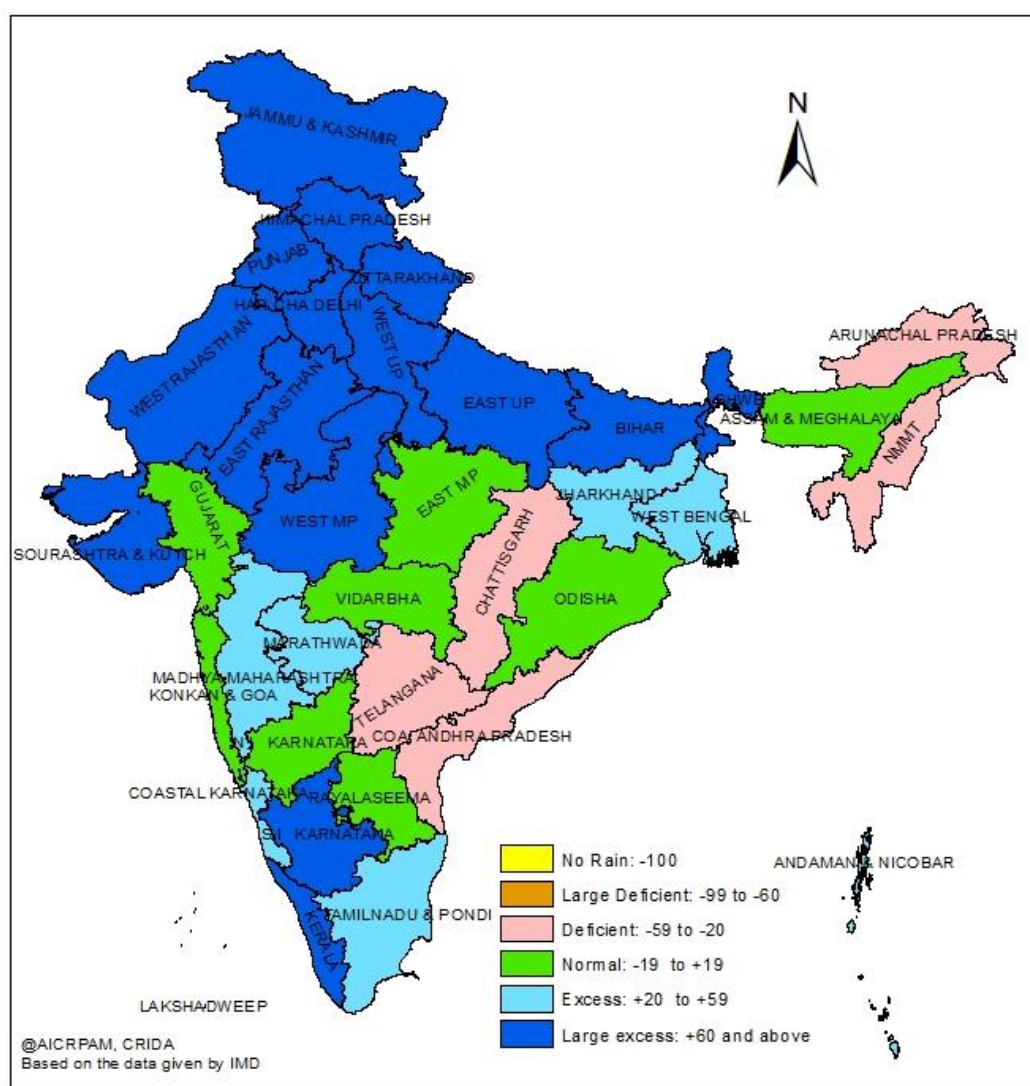


Fig. 1: Monthly rainfall status of October 2021 in 36 meteorological sub-divisions, India

2. Agromet advisories issued by AICRPAM centers during October 2021

Date of issue	Advisory issued for the region	Agromet Advisory issued
01-10-2021	Tamil Nadu	Prevailing weather condition is congenial for hairy caterpillar and collar rot in moringa. It is advised to collect and destroy diseased parts of the plant and spray Mancozeb @ 2g/litre of water under clear weather conditions.
	Marathwada	As per rainfall received during last week and chances of rainfall for next few days, it is advised to take precaution to avoid water stagnation in field crops, pulses, vegetables and fruit orchard and also remove excess water from the crop fields.
	Hisar	Prevailing high humidity is congenial for infestation of sucking pest in cotton. To manage, farmers are advised to spray Nimbecidine @ 1 liter mixed with 250 litres water per acre during clear weather conditions.
	Jammu	In cole crops, due to heavy downpour, it is advised that farmers should arrange for adequate drainage in field and go for transplanting at <i>vattar</i> condition (optimum moisture) of soil.
08-10-2021	Konkan	Due to the chances of rise in maximum and minimum temperature, depend up on the receipt of rainfall, it is advised to provide irrigation to irrigated fruit crops, nurseries, vegetable crops, and groundnut crop.
	Kerala	To prevent the spread of bacterial diseases due to continuous rains in vegetable crops, it is advised to keep the fields free from water logging, or drenching with bleaching powder @ 10 g per litre is also recommended.
	Bihar	Monitoring of khaira disease is advised in late transplanted paddy. If symptoms are visible, spraying of zinc sulphate @ 5.0 kg mixed with lime @ 2.5 kg in 500 litres of water per ha is advised.
	Assam	Under prevailing weather condition, farmers may go for sowing of mid-season crops like cauliflower, broccoli, cabbage and knol khol seeds in nursery seed bed. Recommended varieties are: Improved Japanese, Pusa Synthetic, Pusa Snowball for cauliflower cultivation; Green sprouting medium for broccoli cultivation; Golden acre, Pride of India, Pusa Mukta for cabbage cultivation and White Vienna for knol khol cultivation.

15-10-2021	Karnataka	Due to continuous rainfall, it was advised to transplant ragi seedlings wherever plant population is thin to get higher yield.
	Himachal Pradesh	Farmers are advised for field preparation for sowing of early mustard, pea, radish, spinach and coriander.
	Chhattisgarh	For the management of panicle mite in rice, spray of Abamectin @ 0.5 ml per liter of water under clear weather conditions.
	Gujarat	For the management of purple blotch and fusarium wilt disease in kharif onion, it is advised to make 3 alternate spray of Mancozeb @ 40 g and Carbendazim @ 15 g in 15 litres water at 10 days of interval in clear weather condition.
	Punjab	It is the optimum time for sowing of late season varieties and transplanting of mid-season varieties of cauliflower and best time for sowing of spinach, fenugreek, coriander, radish, turnip, garlic and early varieties of pea.
22-10-2021	West Bengal	Present weather condition is congenial for brown plant hopper in paddy. If infestation crosses ETL, it is advised to apply Imidacloprid 17.8 SL @ 1ml per litre of water.
	Eastern Uttar Pradesh	Intercultural operations are advised to check the evapotranspiration losses and proper utilization of nutrient by the crop.
	Vidharbha	Due to dry weather in subsequent in four days, it is advised to clean picking of burst bolls in earlier sown cotton varieties and properly dry the produce before safe storage, variety wise.
	West Uttar Pradesh	For the better management of leaf Webber in pigeon pea, it is advised to spray Emamectin benzoate 5% SG @ 250 g/ha or Cypermethrin 25% EC @ 500ml/ha with 500 litres of water solution.
	Himachal Pradesh	For the utilization of residual soil moisture, sowing of early sown wheat varieties is advised. Recommended early sown varieties are HS-542, HPW-360 (Him Palam Gehun 1) and VL-829.
	Andhra Pradesh	Current weather condition is congenial for incidence of leaf folder and stem borer in rice. For effective control, it is advised to spray spraying of Acephate @ 1.5g/litre or Chlorantraniliprole @ 0.4 ml/litre of water is advised, under clear weather conditions.

29-10-2021	Assam	Under prevailing weather condition, farmers are advised to look for the infestation of pod borer, aphids and jassids in pigeon pea. It is advised to go for spraying of Fenitrothion solution by mixing 130-200 ml in 65-95 liters of water.
	Tamil nadu	Prevailing weather condition is congenial for incidence of Tristeza wilt in Acid Lime. To manage, it is advised spray of insecticide Monocrotophos 0.05 % reduces the secondary spread of the disease in the orchard.
	Gujarat	Under prevailing dry weather condition, if there is an incidence of tobacco mosaic virus in tobacco field, it is advised to spray Methyl-O-Demeton 25 EC or Dimethoate 30 EC 15 ml in 10 litres water.
	Kerala	Under prevailing weather condition, there is a chance of stem bleeding disease in coconut palms. For precaution, it is advised to apply the 5 kg neem cake in the basin along with Trichoderma mixed with organic manures in the basins.
	Vidarbha	Under prevailing dry weather, if phytophthora blight (stem rot or stem blight) is observed in pigeon pea, undertake spray of Fosetyl AL 80% WP @ 20 g in 10 liters of water.
	Uttarakhand	Under prevailing weather condition, farmers are advised to start spawning and bagging of button mushrooms in low and mid hill regions.
	Punjab	As heavy rainfall and hailstorms have occurred in isolated places of Gurdaspur, Amritsar, Tarn Taran and Abhohar districts, farmers are advised to harvest the crops that have reached maturity as soon as possible in the adjacent areas. It is advised to keep the harvested produce under a secured place.