

All India Coordinated Research Project on Agrometeorology (AICRPAM)
 ICAR-Central Research Institute for Dryland Agriculture
 Santoshnagar, Hyderabad – 500059

Weather Conditions and Agromet Advisories issued during February 2019

1. General Weather Conditions

During 1 January to 28 February 2019, the country as a whole received 51.4 mm rainfall, which is 24% excess, compared to the normal rainfall for the same period (41.4 mm). Out of 36 meteorological sub-divisions, rainfall was large excess in 9 subdivisions, excess in 4 subdivision, normal in 3 sub divisions, deficient in 13 subdivisions, large deficient in 5 subdivisions and no rain in 2 subdivisions. The rainfall distribution in different subdivisions during 1 January to 28 February 2019 is depicted in Fig. 1

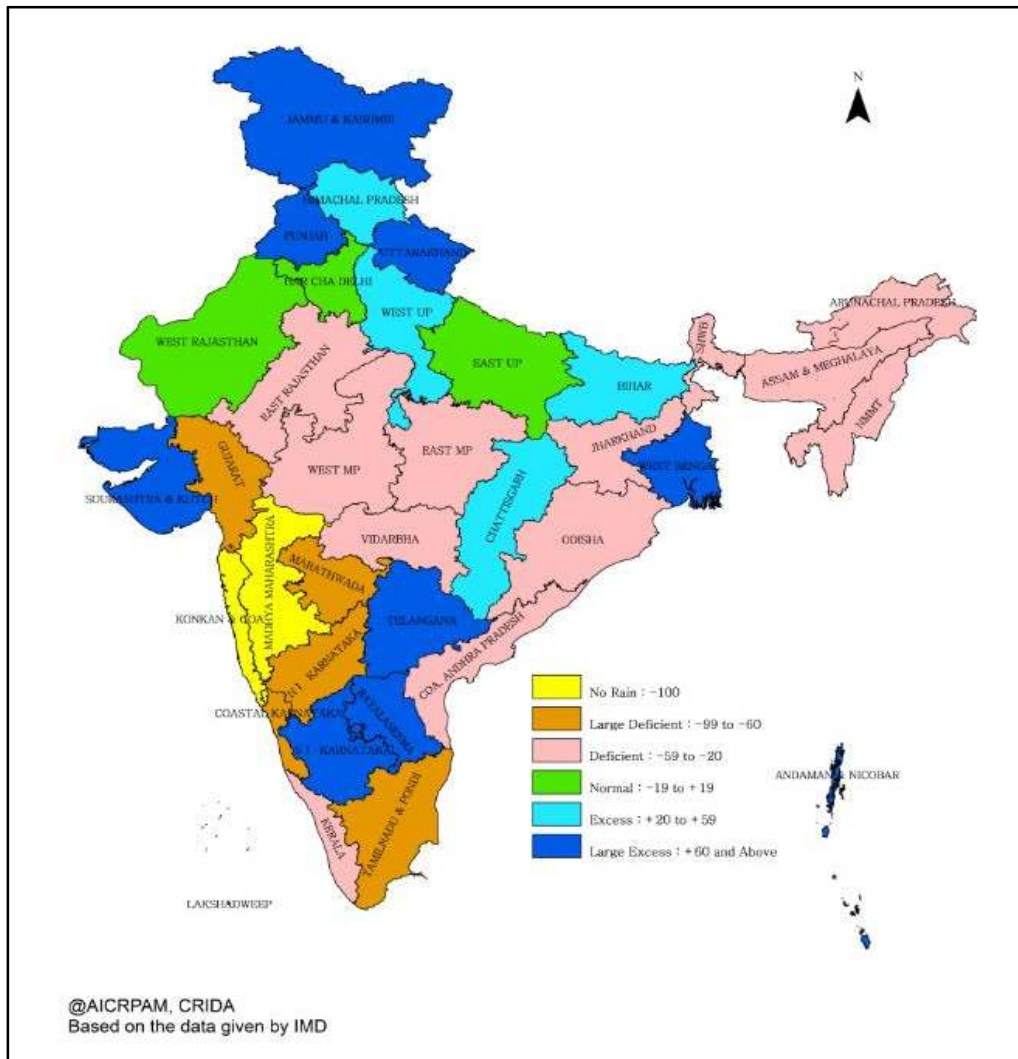


Fig. 1: Meteorological sub-division wise rainfall received during 1 January to 28 February 2019

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

Date of issue	AICRPAM Center	Agromet Advisory issued
01-02-2019	Kerala	<ul style="list-style-type: none"> • Fruit fly is observed in bitter gourd. Setting up of pheromone trap(Cue lure @1/15 cent) Spot application of 10 % jaggery containing 0.1 % malathion@1 spot/40 m² on underside of leaves at fortnight intervals is advised. • There is a chance of aphids in cowpea. Apply 2% neem oil emulsion or apply 20 g Verticillium lecanii per one litre of water in 10 days intervals. If aphid attack is severe, apply 3 ml Imidacloprid or 2 g Thiamethoxam per 10 litre of water. • Destroy the affected leaves along with the spodoptera in banana. If spodoptera attack is severe, spray Quinalphos 2ml per one litre of water or Chlorantraniliprole 3 ml per 10 litre of water.
	Tamil Nadu	<ul style="list-style-type: none"> • Prevailing weather condition is favorable for leaf hopper, mealybug and stem weevil incidence in cotton. To control sucking pests, spray Imidacloprid 200 SL 100 ml/ha or Fipronil 5%SC 1500-2000 ml/ha. • Weather condition is favourable for thrips and mites infestation in chillies. To control thrips, spray Imidacloprid 17.8 % SL 3.0 ml/10 litre.
	South Interior Karnataka	<ul style="list-style-type: none"> • Due to continuous dry spell since October month, the termite attack is common in horticulture forest trees and shrubs. Hence, apply Aldrin termiticides for control of termites. • To protect the pulse grains from storage pests, apply oils of castor/ linseed/neem oil @ 3-5 ml per kg of grains.

08-02-2019	Vidarbha	<ul style="list-style-type: none"> • For control of aphids in wheat, take up spray of dimethoate 30 EC @ 500 ml or methyl demeton 25 EC @ 400 ml in 500 litres of water. • Sowing of summer groundnut (TAG 24, SB-11) should be completed up to first week of February. Seed treatment with Trichoderma @ 6g/kg seed, Rhizobium and PSB (each 250gram / 10-15 kg seed) is suggested. Broad bed furrow (BBF) sowing with sprinkler irrigation is advised.
	Chhattisgarh	<ul style="list-style-type: none"> • To control broad leaved weeds in late sown wheat apply Metsulfuron @ 8 grams / 200 litre water at 20-25 day after sowing or spray 2,4-D Na salt 500 gm per acre /200 litre water at 25-30 days after sowing. • Flowering in mango crop has started. Therefore, at 50% flowering, irrigation should be given at an interval of 15 days.
15-02-2019	Uttar Pradesh	<ul style="list-style-type: none"> • Farmers are advised to top dress $\frac{1}{4}$ urea at optimum moisture during PI stage of wheat. • In barley crop, top dress 30 kg/ha Urea in rain-fed areas at optimum moisture conditions. • For protection of pea/chickpea from pod borer and semi looper, spray Fenvalerate 0.4% DP 20-25 kg/ha or Quinalphos 20% EC 2.0 litre/ha or Malathion 50 % EC 2.0 litre/ha with 500 to 600 litre water on clear sky. Spray soluble Sulphur (80%) @ 2.0 kg/ha per 500-600 litre water solution to protect from powdery mildew under clear sky conditions.
	West Bengal	<ul style="list-style-type: none"> • Apply 1st top dressing in Boro rice after 24 days of transplanting or at the beginning of tillering stage at the rate of 15 Kg urea per bigha. • In this weather condition, occurrence of late blight is being reported from many areas. Farmers are advised to keep a close observation. As a control measure, spray Blitox or Mancozeb @2.5 gram/litre of water thrice at an interval of 5-7 days. • For late sown mustard crop, aphid infestation may be high this week due to sudden rise of temperature. Apply 1.5 ml Metasystox per litre of water to control them.

	Bihar	<ul style="list-style-type: none"> • In view of rainfall forecast during 7-9 February in north Bihar districts, farmers are advised to postpone irrigation in standing wheat, maize and other <i>rabi</i> crops. • Regular monitoring is advised for attack of cut worm in late sown potato crop. If infestation is observed in the crop field, spraying of Chlorpyrifos 20EC@ 2.5-3 ml per litre of water is advised in dry and clear weather condition.
22-02-2019	Punjab	<ul style="list-style-type: none"> • Farmers are advised to survey the field for the appearance of yellow rust disease in wheat. If appeared, spray 200 ml of Markzole 25 EC using 200 litres of water per acre to check its further spread. • Farmers are advised to monitor the symptoms of late blight in potato, if symptoms observed spray Indofil @ 500- 700 gram or Copper oxychloride at 750-1000 gram per acre using 250-350 litres of water per acre to protect the crop. • It is the best time for the plantation of deciduous fruit plants.
	Himachal Pradesh	<ul style="list-style-type: none"> • Thinning and weeding is recommended in timely sown mustard crop. • For monitoring of borer insect, farmers are advised to use pheromone traps in vegetables like brinjal, cauliflower, cabbage, tomato etc. • Farmers are advised to start earthing-up in potato if crop has attained a height of 15-22 cm. • Keep the cowshed clean and moisture free. Provide dry bedding to animals.