

All India Coordinated Research Project on Agrometeorology (AICRPAM)

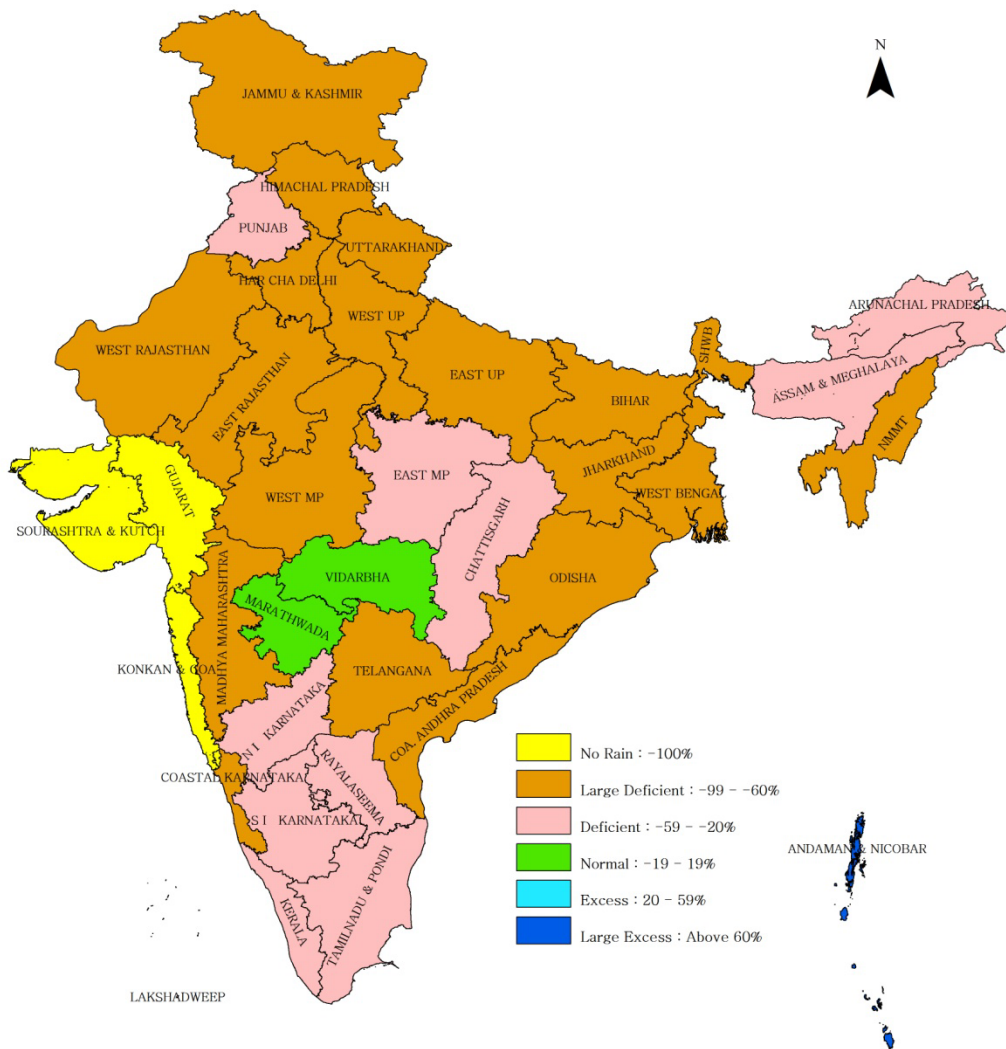
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Weather Conditions and Agromet Advisories Issued during February 2018

1. General Weather Conditions

During 1 January - 28 February 2018, the country as a whole has received 15.4 mm rainfall, which is 63% deficit, compared to the normal rainfall for the same period (41.4 mm). Out of 36 meteorological sub-divisions, rainfall was large excess in one meteorological sub-division; normal in 2; deficient in 10 and largely deficient in 22 subdivisions. The remaining one meteorological sub division of Gujarat region did not receive rain. The rainfall received during 1 January - 28 February 2018 is depicted in Fig. 1.



@AICRPAM, CRIDA
Based on the data given by IMD

Fig. 1: Meteorological sub-divisional-wise rainfall received during 1 January - 28 February 2018

2. Progress in *rabi* sowing-2018 (Source: Press Information Bureau and Ministry of Agriculture and Farmers' Welfare, Govt. of India)

As per preliminary reports received from the States, the total area sown under *rabi* crops as on 9th February, 2018 stands at 642.88 lakh hectares as compared to 648.19 lakh hectare this time in 2017 (Table 1).

Table 1: Progress in *rabi* sowing in India as on 9th February 2018, compared to the area sown during last year this time

Crop	Area sown in 2017-18	Area sown in 2016-17	Percent change
Wheat	304.29	317.88	-4.3
Rice	31.89	27.32	16.7
Pulses	169.10	160.60	5.3
Coarse cereals	56.73	57.54	-1.4
Oil seeds	80.87	84.85	-4.7
Total	642.88	648.19	-0.8

(Area in Lakh hectare)

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

Date of issue	AICRPAM centre	Agromet Advisory issued
02-02-2018	Kovilpatti, Tamilnadu	<ul style="list-style-type: none"> Prevailing weather condition is congenial for thrips incidence in chilli. Spray, Imidacloprid 17.8% SL @ 3ml/10 liters of water or Dimethoate 30% EC @ 1.0 ml/litre.
	Thrissur, Kerala	<ul style="list-style-type: none"> Due to increase in temperature, there is a chance of incidence of leaf eating caterpillar in coconut trees. Spray the undersurface of the fronds with Quinalphos 0.05%.
	Vijayapura, Karnataka	<ul style="list-style-type: none"> No rainfall is forecasted. So, farmers are advised to take up repeated intercultivation and earth up the rows, and keep the crops free from weeds. Provide irrigation to <i>rabi</i> crops wherever possible. Provide de-worming medicine to livestock under the supervision of the veterinary Doctor. Vaccinate (ET vaccine) sheep and goats against Enterotoxemia.
	Rayalaseema	<ul style="list-style-type: none"> Leaf folder and stem borer incidence is reported in paddy fields of north coastal, southern zone and scarce rainfall zone. Farmers are advised to spray chloripyrifos 2.5 ml or cartap hydrochloride @ 2 g/l of water, Flubendiamide @ 0.2ml/l of water. Blast incidence is observed in paddy fields of southern zone and scarce rainfall zone. Farmers are advised to spray tricyclozole @ 0.6g/l or Isoprothiolane @ 1.5ml/l of water.
	Raipur, Chhattisgarh	<ul style="list-style-type: none"> As no rainfall is forecasted during the week, irrigate late sown wheat, which is at 40-50 days age, followed by application of second dose of Urea
09-02-2018	Ludhiana, Punjab	<ul style="list-style-type: none"> Farmers are advised to monitor the field for the incidence of yellow rust disease in wheat. If symptoms are visible, spray 200 ml Tilt/Compass/Markzole 25 EC using 200 litres of water per

		<p>acre to check its further spread.</p> <ul style="list-style-type: none"> • Farmers are advised not to irrigate the crops due to rainfall forecast in the coming days.
	Ranichauri, Uttarakhand	<ul style="list-style-type: none"> • Farmers are advised to undertake intercultural operation and hand weeding in rabi crops. Straw mulching should be done to conserve soil moisture.
	Jammu and Kashmir	<ul style="list-style-type: none"> • Due to prevailing weather conditions, farmers are advised to monitor pulse crops for wilt and blight incidence. If observed, apply bavistin/carbendazim @ 3gm/litre of water.
16-02-2018	Vidarbha, Maharashtra	<ul style="list-style-type: none"> • Farmers are advised to undertake sowing of summer vegetables (okra, cluster bean, cowpea, cucumber, gourd) and nursery sowing of chilli, brinjal and tomato under irrigated condition. • Farmers are suggested to go for summer green fodder. Recommended crops/varieties are maize (African tall) or sorghum (Pusa-Chari, MP-Chari and SSG898), under irrigated conditions.
	Marathwada, Maharashtra	<ul style="list-style-type: none"> • Due to rainfall, humidity has increased, which resulted in fruit spot disease in pomegranate. Spray copper hydroxide or copper oxychloride 25 gm per 10 liter of water.
	Ranchi, Jharkhand	<ul style="list-style-type: none"> • Farmers are suggested to undertake sowing of summer rice with assured irrigation facility. • Timely sown wheat crops are at Heading stage, which is very sensitive to moisture stress. Farmers are advised to maintain the crop remains free of water stress, wherever irrigation facilities are available.
	Samastipur, Bihar	<ul style="list-style-type: none"> • Weather would remain favourable for field preparation and sowing of summer maize. Suwan, Deoki, Ganga 11, Shaktiman-1, 2, 3, 4 & 5 varieties are suitable for sowing in north Bihar region. Seed rate@20 kg per hectare should be used. Farmers are advised to treat seeds with Thiram and Captaf@2.5gm per kilogram of seeds. • Sowing of sweet potato is advised. Varieties such as Cross-4, Rajendra Shakarkand-35 and Rajendra Shakarkand-92 are recommended for planting in this region. At the time of land preparation, apply 200 quintal compost, 60 kg Nitrogen, 40 Kg Phosphorus and 60 Potassium per hectare.
23-02-2018	Kerala	<ul style="list-style-type: none"> • Farmers are advised to keep vigilance against rhizome weevil in banana. Mulch the basins to conserve soil moisture. Irrigate once in three days. Against Sigatoka leaf spot disease, spray 1% Bordeaux mixture or Tilt 25 EC @ 1ml/lit of water. Remove and destroy the severely affected banana leaves
	Bhubaneswar, Orissa	<ul style="list-style-type: none"> • As below normal rainfall is forecasted and maize is at silking stage, farmers are advised to irrigate the crop (never allow water stagnation for more than 6 hours in the field).
	Hisar, Haryana	<ul style="list-style-type: none"> • Due to possibility of dry weather farmers are advised to apply light irrigation in Berseem and cut the crop for fodder to feed livestock. • Farmers are advised to keep the animals under sheds during night hours for protection from cold. Provide 50 grams iodized salt and 50 to 100 grams mineral mixture daily with animal feed/fodder to keep them healthy.