

All India Coordinated Research Project on Agrometeorology (AICRPAM)
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Weather Conditions and Agromet Advisories Issued during January 2017

1. General Weather Conditions

During 1-25 January 2017, the country as a whole has received 14 mm rainfall, which is 3% deficit, compared to the normal rainfall for the same period (14.4 mm). Out of 36 meteorological sub-divisions, rainfall was largely excess in 2; excess in 1; normal in 4; deficient in 4 and largely deficient in 16 subdivisions. The remaining 9 meteorological sub divisions did not receive rain. The rainfall received during 1-25 January 2017 is depicted in Fig. 1.

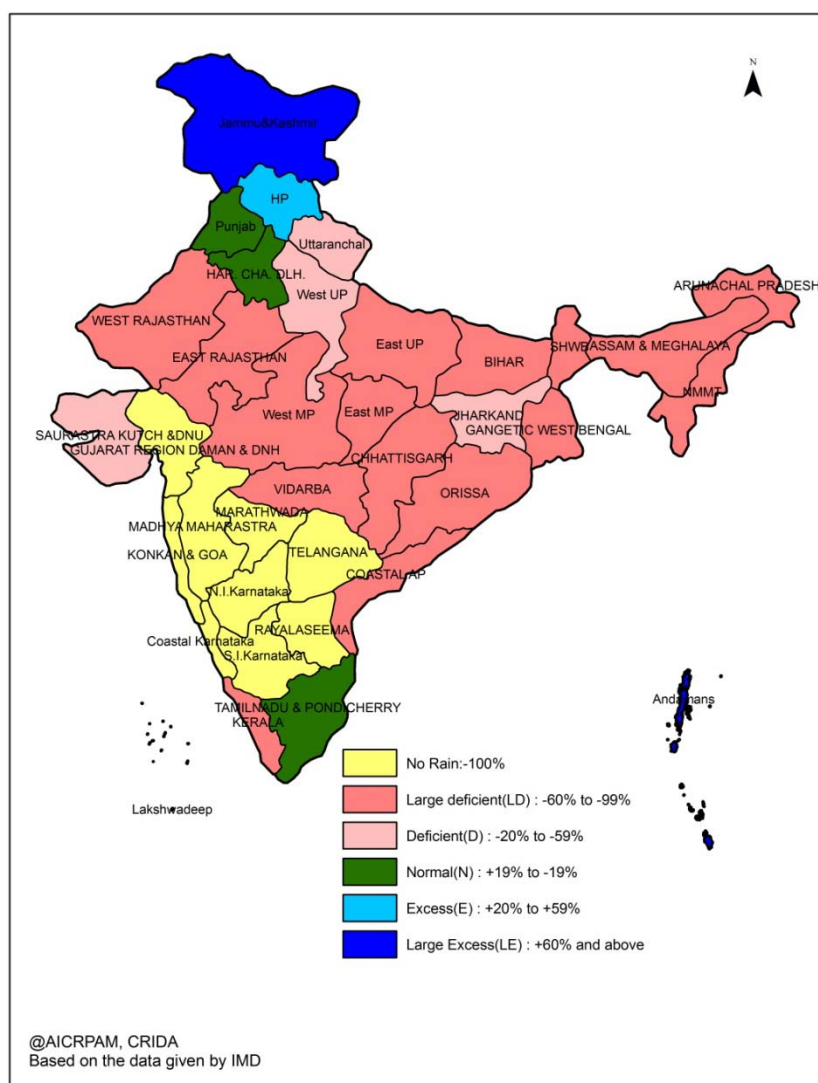


Fig. 1: Meteorological sub-divisional-wise rainfall received during 1-25 January 2017

2. Progress in *rabi* sowing-2017 (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 27th January, 2017 stands at 637 lakh hectares as compared to 600 lakh hectare this time in 2016 (Table 1). The increase in *rabi* crop area was mostly due to increase in area under pulses, wheat and oil seed crops.

Table 1: Progress in *rabi* sowing in India as on 27th November 2016, compared to the area sown during last year this time

Crop	Area sown in 2016-17	Area sown in 2015-16	Percent change
Wheat	315.6	292.5	+7.9
Rice	21.8	25.6	-15.1
Pulses	159.3	143	+11.3
Coarse cereals	56.9	60.2	-5.5
Oil seeds	83.8	78.6	+6.7
Total	637.3	600	+6.2

(Area in Lakh hectare)

3. Agromet advisories issued by ICAR-All India Coordinated Research Project on Agrometeorology (AICRPAM) centers during January 2017

Date of issue	AICRPAM Center	Agromet Advisory issued
2-1-2017	Kovilpatti, Tamilnadu	<ul style="list-style-type: none"> As moderate cloud cover and moderate to high humidity is forecasted in the coming days, incidence of leaf folder can be expected in paddy. For controlling this, spray Chlorpyrifos 20 EC 1.25 litre/ha or Phosalone 35 EC 1.5 l/ ha.
6-1-2017	Bangalore, Karnataka	<ul style="list-style-type: none"> Grape: Low temperature and high humidity (RH) is observed in the morning hours. This is congenial condition for the occurrence of powdery mildew. Spray Carbendazim @ 1 g/L or Tridemarf @ 0.5 ml/L.
	Palampur, Himachal Pradesh	<ul style="list-style-type: none"> The temperature has fallen and expected to fall further, so give the winter packing immediately to bee colonies. Check the colonies for nectar and Give artificial food to honey bees as there is scarcity of flowers during these days. In case of poultry, save them from cold winds by providing curtains so that temperature of shed does not fall below 16°C. Provide artificial heat to chicks. Increase energy contents of ration by 5-8 per cent.
10-1-2017	Akola, Maharashtra	<ul style="list-style-type: none"> Prevailing low minimum temperature regime is conducive for aphid infestation in safflower. As the infestation occurs at a rapid rate, timely control measure is important to avoid possible yield reduction. To control safflower aphids (30% plants affected), spray Dimethoate 30% @ 13 ml Or Acephate 75% WP @ 4 g in 10 litres of water Or dusting of Quinalphos 1.5% DP @ 20 kg/ha is recommended.

	Hisar, Haryana	<ul style="list-style-type: none"> • Dry weather is forecasted with further dip in minimum temperature. Ground frost may occur at isolated places upto 13th January. • Wheat: farmers are advised to apply the light irrigation to minimize the frost effect.
13-1-2017	Ludhiana, Punjab	<ul style="list-style-type: none"> • There are chances of occurrence of frost in coming 3 - 4 days. apply light irrigation to field crops like mustard, berseem, potato, peas and orchard plants (mango, litchi).
17-1-2017	Anantapur, Andhra Pradesh	<ul style="list-style-type: none"> • Prevailing weather conditions are favourable for incidence of hoppers in mango. For the control spraying of Imidacloprid 0.3ml/lit + Carbendazim 1gm/lit is recommended. If fruits are in marble size spray Fenthion @ 1ml/lit + Nuvan (Dichlorovos) 0.5ml/lit.
	Chatha, Jammu & Kashmir	<ul style="list-style-type: none"> • Normal sown wheat: Weather conditions are favorable for the yellow rust in wheat (rust susceptible varieties). Farmer are advised to spray the crop with propiconazole (Tilt) @ 0.1% or mancozeb @ 0.2% at disease appearance and repeat after 30-35 days intervals.
24-1-2017	Akola, Maharashtra	<ul style="list-style-type: none"> • Low minimum temperature regime may be conducive for aphid infestation in safflower. To control this, spray of Dimethoate 30% @ 13 ml OR Acephate 75% WP @ 4 g in 10 litres of water OR dusting of Quinolphos 1.5% DP @ 20 kg/ha is advisable.
	Hisar, Haryana	<ul style="list-style-type: none"> • Light to moderate rain/thunder showers forecasted at isolated places up to 26 January. • Wheat: Due to possibility of rain in next three days farmers are advised to withhold the irrigation and spray of weedicides
28-1-2017	Anantapur, Andhra Pradesh	<ul style="list-style-type: none"> • Continue transplanting of finger millet, planting of sugarcane after sett treatment. As dry weather is prevailing in the Krishna-Godavari Zone, provide light irrigation to sugarcane and chick pea.
	Kovilpatti, Tamilnadu	<ul style="list-style-type: none"> • In the prevailing weather condition, citrus canker disease is noticed. One spray of Copper oxychloride (COC) 0.3%, followed by 4 sprayings with Streptocyclin 100 ppm + COC 0.3 %, at monthly intervals after pruning is recommended.