

All India Coordinated Research Project on Agrometeorology (AICRPAM)

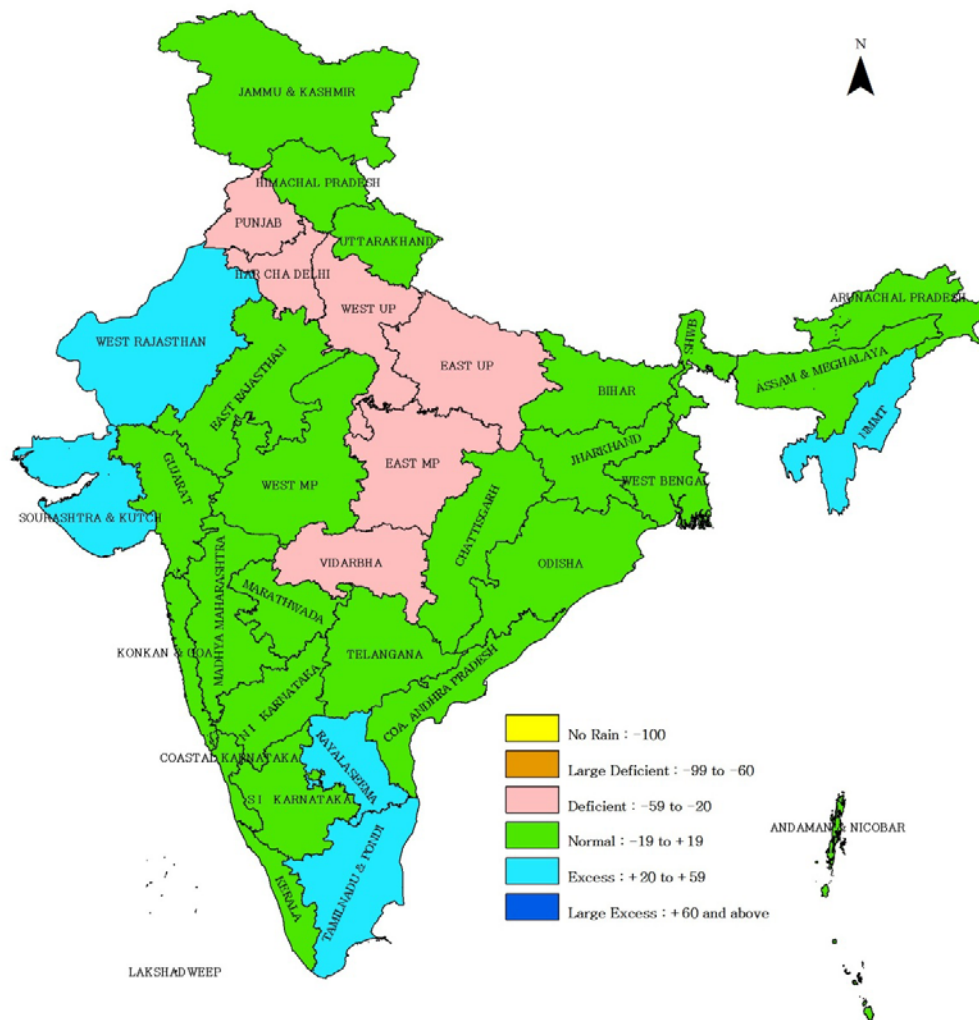
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Weather Conditions and Agromet Advisories Issued during September 2017

1. General Weather Conditions

During 1- 28 September 2017, the country as a whole has received 831 mm rainfall, which is 6% deficit compared to the normal rainfall for the same period (880 mm). Out of 36 meteorological sub-divisions, rainfall was excess in 5 sub-divisions; normal in 25 sub-divisions and deficient in 6 sub-divisions. The rainfall received during 1 June - 28 September, is depicted in Fig. 1.



@AICRPAM, CRIDA
Based on the data given by IMD

Fig. 1: Meteorological sub-divisional-wise rainfall received during 1 June – 28 September, 2017

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

The total sown area of major crops as on 08th September, 2017 (as per reports received from states), stands at 1041.2 lakh hectare as compared to 1049.87 lakh hectare, as on this date last year (Table 1).

Table 1: Progress in kharif sowing in India as on 8th September 2017 (Area in Lakh hectare)

Crop	Area sown in 2017	Area sown in 2016	Per cent change
Rice	371.46	376.89	-1.4
Pulses	139.17	144.84	-3.9
Coarse Cereals	183.43	186.06	-1.4
Oilseeds	169.2	187.16	-9.6
Sugarcane	49.88	45.64	9.3
Jute & Mesta	7.05	7.56	-6.7
Cotton	120.98	101.72	18.9
Total	1041.17	1049.87	-0.8

3. Agromet Advisories issued by centres of ICAR-All India Coordinated Research Project on Agrometeorology (AICRPAM) during September 2017

Date of issue	AICRPAM Center	Agromet Advisory issued
1-9-2017	Bangalore, Karnataka	<ul style="list-style-type: none"> As the normal to excess rainfall condition is forecasted for next two weeks, postpone the plant protection measure in next couple of days due to high wind speed, cloudy and medium rainfall weather. Stalking of vegetables may be carried out to avoid their lodging due to high wind and excess rainfall. The following crops are suggested for sowing immediately, wherever sufficient moisture is available Medium to short duration crops like ragi (Indaf-5, GPU-26, 28, 45 & 48, PR-202), maize (Ganga, Deccan, Vijaya composite and Composite NAC), cowpea (KBC-1, TVX-944) and PKB-4 for vegetable purpose.
	Vidarbha, Maharashtra	<ul style="list-style-type: none"> Foliar spray of 2% Urea (200 g Urea +10 litre water) at flowering stage and 2% DAP at boll development stage is advisable for better productivity in cotton. Undertake harvesting of matured green gram crop with protected drying. To control the sucking pests in cotton, spray Azadirachtin 0.03% @ 30 ml or Acetameprid 20% SP@ 4.0 g or Thiamethoxam 25 wp @ 4.0 g per 10 litres of water. For control of girdle beetle in soybean, undertake spraying of Chlorantraniliprole 18.5% @ 3 ml SC or Profenofos 50% EC @ 20 ml or Ethion 50% EC @ 30 ml or Thiacloprid 21.7 % SC @ 15 ml or Triazophos 40% EC @ 12.5 ml per 10 litres of water.

8-9-2017	Thrissur, Kerala	<ul style="list-style-type: none"> • Paddy is in milk stage. There are chances of infestation by rice bug. Apply neem based pesticides (3ml per liter of water). Pesticides application should be done either before 9 am or after 3 pm. Otherwise, the pesticide application will adversely affect the pollination • Banana: Ensure proper drainage, as above normal rainfall is forecasted in coming week. To avoid erwinia rot, apply lime in the banana basin or bleaching powder in the irrigation channels as a precaution • Coconut: Apply fertilizers @ 250g Urea, 285g Rock phosphate, 350g Potash, 500 g MgSO₄ and 2 kg lime per plant. As a prophylactic measure to control bud rot apply 1% Bordeaux mixture in the tender leaf axils
	Jabalpur, Madhya Pradesh	<ul style="list-style-type: none"> • Soybean: The crop is in pod development stage and incidence of semi looper, girdle beetle, white fly and hairy caterpillar is reported in many places due to prolonged dry spell. Farmers are advised to increase frequency of insecticides, like Thiomethoxam, Imidacloprid, Triazophos. Also rogue out the mosaic plants from the field. • Paddy: The crop is in anthesis stage. Farmers are advised to keep soil moist at this stage in irrigated areas. To control blast, apply Carbendazim at 2g/liter water in the field.
15-9-2017	Vidarbha, Maharashtra	<ul style="list-style-type: none"> • As above normal rainfall is forecasted for both the weeks, undertake harvesting of matured green gram/black gram and store the produce in safe storage • Undertake intercultural operations (weeding/hoeing) in cotton/pigeonpea to control weeds and improve surface tilth for better rain water conservation. At last hoeing, open furrow between two rows by tying the ropes to hoe for better in-situ conservation of rainwater, particularly in late sown condition. • Withhold the irrigation, application of fertilizers and plant protection chemicals as above normal rainfall is forecasted, unless it is necessary.
	Hisar, Haryana	<ul style="list-style-type: none"> • As below normal rainfall is forecasted in the coming week, apply irrigation to paddy as the crop is in ear development stage. • Cotton: present weather condition is congenial for incidence of myrothecium leaf spot and bacterial blight in Western Haryana. To control these, spray 800 gram copper oxychloride in 250 liter water per acre, during clear sky conditions.
22-9-2017	Jabalpur, Madhya Pradesh	<ul style="list-style-type: none"> • Soybean: Early maturing cultivars like JS 95-60 may be harvested, if all the leaves turned yellow and dry. In medium to late maturing cultivars, there are chances of stem fly infestation due to cloudy weather and high temperature. Application of insecticides like Dimethoate 30 EC @ 0.03% is advised in the second week. • As rainfall is forecasted during the coming week, farmers are advised to keep the harvested crop in safe place • Vegetables: To control sucking pest spray thiamethoxam or acetamiprid @ 0.35-0.45 gm/l. To control shoot and fruit borer in okra, tomato and brinjal, spray Triazophos @ 2.0 ml/l. solution in the second week. • To control leaf roller in pigeon pea, apply Indoxacarb@ 5ml/10 litre water in the second week.
	Kanpur, Uttar Pradesh	<ul style="list-style-type: none"> • Wherever maize is in maturity stage, harvesting is advised as above normal rainfall is forecasted during 22-28 Sept. • Wherever root weevil infestation is noticed in paddy, apply Phorate-10 G @ 10 kg/ha during second week.

29-9-2017	Vidarbha, Maharashtra	<ul style="list-style-type: none"> • Undertake preparatory tillage in harvested greengram/blackgram fields with minimum tillage to avoid excess moisture loss from field in case of early rainfed rabi sowing of rainfed rabi crops viz., safflower (AKS 207, Bhima, PKV pink, Nari 6), Sorghum for grain & fodder (Maldandi 35-1, Phule Yashoda, PKV Kranti) and Chickpea (Jaki 9218, Vijay, ICCV 10, Digvijay, Akash). • With prevailing condition of decline in humidity and increase in maximum temperature (>33.0°C), in cotton foliar spray of 2% DAP (200 g DAP +10 litre water) mixed with 4 ml Planofix at boll development stage is advisable to reduce boll shedding and improve boll growth. • For control of pink bollworm in cotton, spray Deltamethrin 2.8% EC 9.0ml OR Cypermethrin 10% EC @ 7.5 ml OR Thiodicarb 75% WP 20g per 10 litres water
	Kanpur, Uttar Pradesh	<ul style="list-style-type: none"> • Early sown potato cultivars like Kufri chandramukhi and Kufri ashoka may be planted in eastern UP. • To control Gundhi bug in rice (population reaches 2-3 insect per hill) apply Malathion dust 5% @ 20-25 kg/ha or spray Monocrotophos 36 WSC @ 1.5 lt. • Wherever root weevil infestation is noticed in paddy, apply Phorate-10 G @ 10 kg/ha during second week.
	Hisar, Haryana	<ul style="list-style-type: none"> • As no rainfall is forecasted in coming week, farmers are advised to apply protective irrigation, wherever necessary. • Paddy: Plant hoppers can be controlled by spraying 40 ml of Confidor 17.8 SL in 100 litres of water per acre. • Cotton: Avoid moisture stress during flowering and boll formation stages.