

All India Coordinated Research Project on Agrometeorology (AICRPAM)

ICAR-Central Research Institute for Dryland Agriculture

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Weather Conditions and Agromet Advisories Issued during September 2018

1. General Weather Conditions

During 1 June –30 Sep 2018, the country as a whole has received 804.0 mm rainfall, which is 9% Deficit, compared to the normal rainfall for the same period (887.5 mm). Out of 36 meteorological sub-divisions, rainfall was excess in 1 subdivision; normal in 23 and deficient in 12 subdivisions. The rainfall distribution in different subdivisions during 1 June –30 September 2018 is depicted in Fig. 1

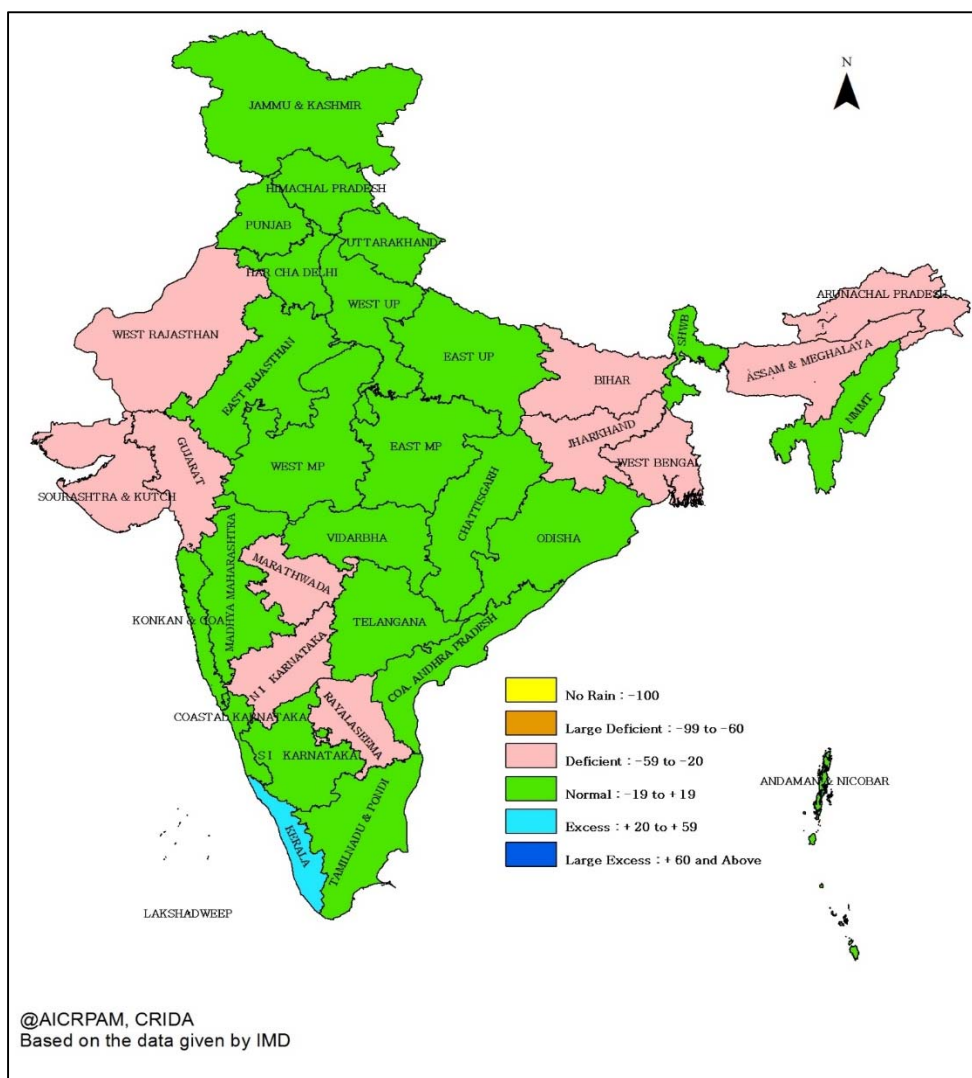


Fig. 1: Meteorological sub-divisional wise rainfall received during 1 June–30 September 2018

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

Date of issue	AICRPAM Center	Agromet Advisory issued
07-09-2018	Kerala	<ul style="list-style-type: none"> Due to the predicted rainfall, there may be a chance of Sigatoka disease occurrence in banana. As a precaution, spray Pseudomonas 20g/litre. In case of severe attack, spray 2 ml hexaconazole or 1 ml propiconazole per one litre of water by mixing it with a sticker and spray on both the sides of the leaf.
	Tamil Nadu	<ul style="list-style-type: none"> In the prevailing weather with high cloud cover and moderate humidity, there is a chance for incidence of boll worm in cotton. For controlling this pest, spray Chlorantraniliprole 18.5% SC 150 ml/ha or Chlorpyrifos 20% EC @ 1250 ml/ha.
	North Interior Karnataka	<ul style="list-style-type: none"> Green gram, black gram and soybean crops are in harvesting stage. Even though only very light rainfall is forecasted, farmers should be careful while harvesting the crops and arrange for covering the produce effectively. Vaccinate livestock against Foot and Mouth disease (FMD vaccination), Black Quarter disease (BC vaccination) and <i>Haemorrhagic septicaemia</i>.
	Andhra Pradesh	<ul style="list-style-type: none"> Incidence of sucking pests was observed in early sown groundnut crop in Ananthapuramu, Kurnool, Chittoor districts. Farmers are advised to spray monochrotophos@1.6ml/l or Dimethoate @2ml/l of water for control of sucking pests. Incidence of sucking pests was observed in cotton crop in Krishna, Ananthapuramu and Kurnool districts. Farmers are advised to spray Imidacloprid @ 0.4 ml/l or Acetamiprid @ 0.2g/l or Acephate@ 1.5g/l or monochrotophos@ 1.6 ml/l for control of sucking pests.

14-09-2018		<ul style="list-style-type: none"> • Farmers of Ananthapuramu, Kurnool, Kadapa and Chittoor districts can take up sowing of horsegram, fodder Jowar and fodder bajra in areas where sowing was not taken up so far, utilizing the rainfall received during last two days.
	Jharkhand	<ul style="list-style-type: none"> • There is a possibility of attack of fruit borer in maize crop, spray neem based insecticide on upper part of the plant @ 2-3 ml. per litre of water. • Spray bio-insecticide Delphin @ 2 gm/ litre of water in cauliflower and cabbage against white fly and in brinjal against stem/fruit borer. • As below normal rainfall is forecasted, farmers are advised to provide desired irrigation to the crops.
21-09-2018	Bihar	<ul style="list-style-type: none"> • During rainy season, there is an abundance of grasses and sedges in the bunds of the field, which tends to enhance the abundance of insect and pests, which lay eggs in the grass. For control of such grasses, application of Glyphosate 41% SL @10-15 ml/litre of clean water is advised under sunny day condition. • Regular monitoring of brown plant hopper (BPH) in paddy crop is advised. This mosquito type insectpest may be seen at the basal portion of the plant in the middle of the crop field. To protect the crop, spraying of Imidacloprid 17.8 % SC @ 1.0 ml / 3 litre of water is advised.
	West Bengal	<ul style="list-style-type: none"> • Start sowing of early variety of cabbage seed (e.g. Pride of India, Pusa early, Kranti etc.) & cauliflower (e.g. Jawharmoti, Bharat Jyoti, Early Banaras etc.) @ 4gm / Katha. Farmers are advised to maintain the drainage channels as heavy rainfall is expected in next two days.
	Rajasthan	<ul style="list-style-type: none"> • Apply irrigation in soybean and maize in the region where no rains occurred during last 12-15 days and soil moisture depleted by 50-60 %. • Transplanting of cauliflower, onion, chillies and brinjal seedling for early Rabi crop.

	Assam	<ul style="list-style-type: none"> • Due to favourable weather and poor nutrient management practices there may be appearance of brown spot diseases in rice field. To control this farmers are advised to spray Mancozeb 2gm per litre of water on clear weather. • Farmers may complete their sowing operation of Green gram and Black gram seeds in the main field by this week. To facilitate better germination, irrigate the field 3 days after sowing. • Farmers may go for spraying of 0.2%-0.3% Borax @ 220-320g/100litre/Bigha against browning disease in early cauliflower field on clear weather.
28-09-2018	Bihar	<ul style="list-style-type: none"> • In view of dry weather condition, farmers are advised to give life saving irrigation in paddy crop, which is in reproductive stage. Moisture stress at this stage would negatively impact the production. • Monitoring of sucking insect-pests such as white fly, leaf hopper and aphid is advised in vegetables nursery of chilli, brinjal and tomato. For prevention, spraying of Imidacloprid 17.8 %SL @ 0.3ml/litre of water is advised.
	Haryana	<ul style="list-style-type: none"> • Farmers are advised to monitor the infestation of paddy blast, if infestation/symptom observed than spray 120 gram tricyclazole 75 WP mixed with 200 litre water per acre when weather remain clear. • Due to rain, the infestation of Boll rot disease may occur in cotton field, spray 2 gram copper oxychloride or 2 gram Bavistin mixed with per litre water. For better leaf adhesive use 10 gram selvat or 50 ml triton in 100 litre solution in cotton crop.