

All India Coordinated Research Project on Agrometeorology (AICRPAM)

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Weather Conditions and Agromet Advisories Issued during April 2018

1. General Weather Conditions

During 1 March - 25 April 2018, the country as a whole has received 9.3 mm rainfall, which is 1% Excess, compared to the normal rainfall for the same period (9.2 mm). Out of 36 meteorological sub-divisions, rainfall was large excess in three meteorological sub-division; excess in 6; normal in 11; deficient in 13 and largely deficient in 3 subdivisions. The rainfall received during 1 March - 25 April 2018 is depicted in Fig. 1.

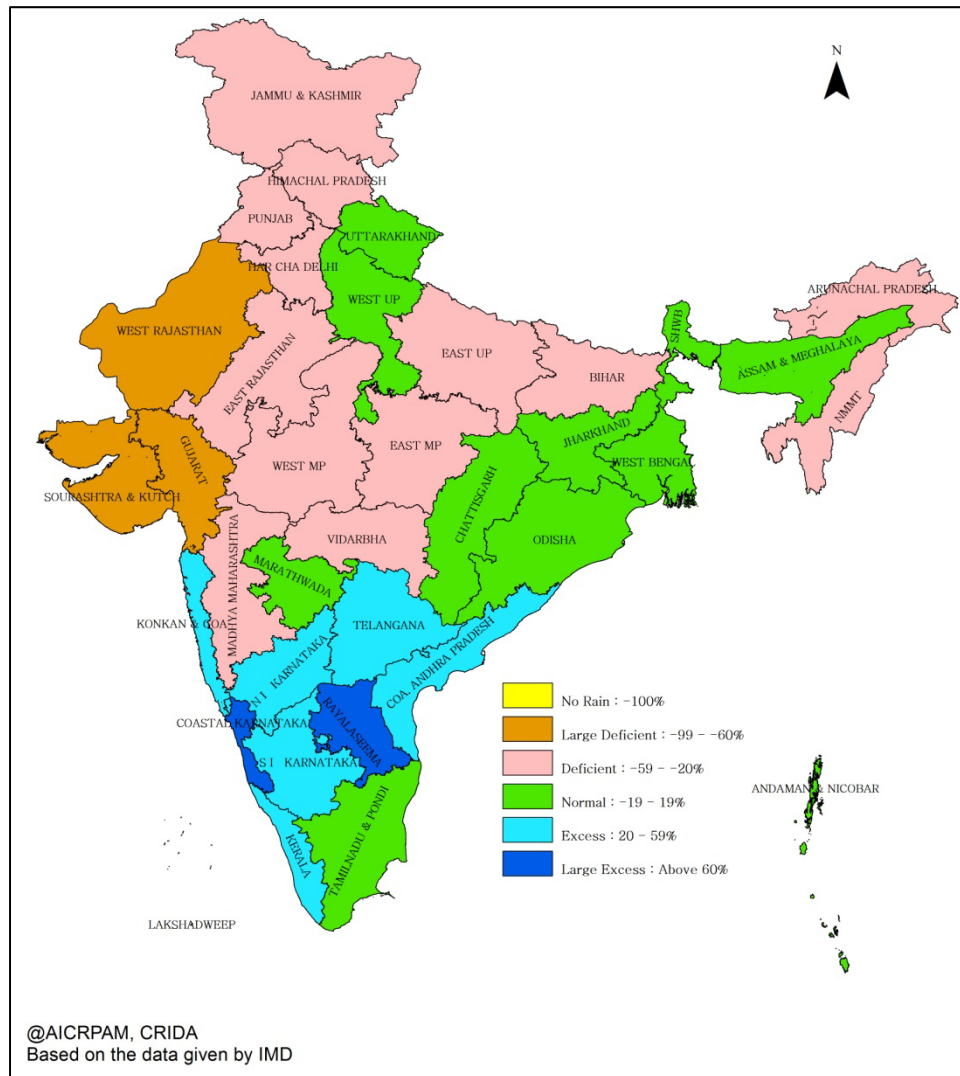


Fig. 1: Meteorological sub-divisional-wise rainfall received during 1 March - 25 April 2018

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

Date of issue	AICRPAM centre	Agromet Advisory issued
06-04-2018	Kerala	<ul style="list-style-type: none"> Farmers are advised to keep vigilance against rhizome weevil. Mulch the basins to conserve soil moisture. To protect plants from Sigatoka leaf spot disease, spray 1% Bordeaux mixture or Tilt 25 EC (1ml/lit of water), after the forecasted spell of rainfall. Farmers are advised to remove and destroy affected and decayed fruits. Use pheromone traps like cue lure (60 nos./acre) for vegetable fruit fly or Thulasi/fruit traps. If infestation is not reduced, spray a mixture of Malathion @ 2 ml per one litre of water + jaggery 10 g at flowering and fruit initiation, after the forecasted spell of rainfall.
	Marathwada, Maharashtra	<ul style="list-style-type: none"> Farmers are advised to take a spray of 5 % Ferrous sulfate (5 gm / litre) if iron deficiency is observed in summer groundnut crop during week-2.
	Samastipur, Bihar	<ul style="list-style-type: none"> Farmers are advised to take precaution for harvesting and threshing of wheat. Farmers are advised to monitor the field for mite infestation in okra. If infestation is found, then spray Ethion @1.5-2 ml/litre of water is advised during week-2 to protect crop.
	Odisha	<ul style="list-style-type: none"> Weather is conducive for Yellow Mosaic Virus infestation in summer pulses. Farmers are advised to spray 20 ml Rogor/10 litre water during week-2. Prevailing high diurnal variation in temperature is conducive for infestation of blast disease in rice. Farmers are advised to spray 0.6 g Tricyclazole or 1ml Edifenphos in each litre water, during week-2. Withhold top dressing of Urea for five days after the spraying. Increased temperature may favour the egg laying of stem borer in rice in the main field. Spray 2 ml Profenophos per litre water.
13-04-2018	Kovilpatti	<ul style="list-style-type: none"> The forecasted weather condition is congenial for ear head bug incidence in rice. Farmers are advised to spray Neem Seed Kernel Extract 5% @ 25 kg/ha during week-1. In order to mitigate the effect of high temperature on animals, provide adequate cool drinking water and green fodder and spray water on gunny bags surrounding the cattle shed. Vaccination against foot and mouth disease to the cattle is advised as a prophylactic measure.
	Trissur	<ul style="list-style-type: none"> Weather is conducive for stem borer in paddy. Farmers are advised to use 2 CC trichocards as 10 pieces in different corners of field under leaf. In severe condition apply Flubendamide in 2 ml/10 litre. There is a chance of quick wilt disease due to high relative humidity in pepper. Farmers are advised to apply Trichoderma or pseudomonas culture in soil or 1% Bordeaux

		<p>mixture can be sprayed on the leaves and small branches, after the forecasted spell of rainfall.</p>
	Konkan	<ul style="list-style-type: none"> • As there is increase in daily mean temperature, irrigation should be given to coconut and arecanut plantations during week-2. • Farmers are advised to protect the animals from afternoon heat. Provide good aeration in animal shed.
20-04-2018	South Interior Karnataka	<ul style="list-style-type: none"> • Taken up summer plough to expose the soil to kill the different stages of insect and weeds. • Livestock management during summer: 1) Silage, hay and crop residues may be used for cattle feed when shortage of green fodder. 2) Apply 4-6 inch thick thatch as a roofing material. Water can be used for spraying the floor and roof of shelter are recommended.
	Vidarbha	<ul style="list-style-type: none"> • Due to increase in temperature and evaporation irrigate the groundnut crop at an interval of 6-8 days. • Harvest mature pulse crop early in morning or late in evening and dry it for 3 to 4 days in sunlight. Stored dried grain in proper manner. • As there is increase in average temperature, irrigation should be given to coconut orchard at 5-6 days interval and for Arecanut orchard at 4-5 days interval. For control of adults and grubs of rhinoceros beetle in coconut, dust 2 % Methyl parathion powder after every 2 month interval in FYM pits. • Farmers are advised to protect the animals from afternoon heat. Keep good aeration in animal shed. For boiler poultry bird 1st three week provide boiler starter and 4 to 6 week old bird provide boiler finisher as per their daily requirement. The temperatures during day are increasing hence protect poultry birds from heat.
	Jorhat	<ul style="list-style-type: none"> • As sufficient rainfall has received during the last week, summer ploughing in rice fields is advocated. This will kill the eggs and larvae of insects and also will help in moisture conservation in soil. • Due to favourable weather condition ,infestation of cutworm may be seen in okra field. To control this pest, apply Malathion 50 EC @ 5 ml per 3 lit. of water at seven days interval on clear weather. • Expecting the optimum soil moisture condition during week-1, application of first split of recommended fertilizer in coconut palm may be adopted. The fertilizer dose for each bearing palm is 750 gm urea, 1250 gm SSP, 875 gm MOP along with 25 gm of Borax
	West Bengal	<ul style="list-style-type: none"> • In boro rice, crop is in milking to ripening stage. In the present weather situation there is a chance for the spread of Yellow stem borer and Gundhi bug. If there is 1 adult Gundhi bug per 5 hills of plants apply Carbaryl or Fenvalerate as control. Farmers are advised to avoid unnecessary spraying

		<p>for the control of yellow stem borer and destroy any egg cluster if visible.</p> <ul style="list-style-type: none"> • In the prevailing weather condition, there is a possibility of attack of the fungal diseases like fruit rot, stem rot or powdery mildew in summer vegetables. To prevent it apply blitox (4 gram) or carbendazim (1 g) for rot and for powdery mildew apply hexaconazole or dinocap or propiconazole @ 1 ml per litre. water.
27-04-2018	Jorhat, Assam	<ul style="list-style-type: none"> • As sufficient rainfall has received during the last week, summer ploughing in rice fields is advocated. This will kill the eggs and larvae of insects and also will help in moisture conservation in soil. • Due to conducive weather condition, infestation of cutworm may be seen in okra fields. Apply Malathion 50 EC @ 5 ml per 3 lit. of water at seven days interval on clear weather. • Expecting the optimum soil moisture condition during week-1, application of first split of recommended fertilizer in coconut palm may be adopted. The fertilizer dose for each bearing palm is 750 gm urea, 1250 gm SSP, 875 gm MOP along with 25 gm of Borax.
	Hisar	<ul style="list-style-type: none"> • Undertake intercultural operation to control weeds and conserve the soil moisture. • Provide irrigation in spring sown and ratoon sugarcane, which is in early vegetative stage. • Keep the animals in shed during high wind speeds and thundershowers. Provide ample amount of clean water to drink and shower to overcome the high temperature
	Punjab	<ul style="list-style-type: none"> • Farmers are advised not to burn wheat straw but plough the same in the field. Burning not only pollutes atmosphere, but also destroy the nutrients of soil. Rather, ploughing of straw will improve the fertility of soil. • As weather is becoming congenial for downy mildew of muskmelon, farmers are advised to, give 3-4 spray Indofil M-45/ Kavach and give 2 sprays of Ridomil MZ @ 500 g or Aliette @ 600 g per acre in 200 litres of water at 10 days interval.