

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 December 2018

1. General Weather Conditions

During 1 October to 31 December 2018, the country as a whole received 71.2 mm rainfall, which is 44% deficit, compared to the normal rainfall for the same period (127.2 mm). Out of 36 meteorological sub-divisions, rainfall was excess in 2 subdivisions, normal in 03 subdivisions, deficient in 13 subdivisions and large deficient in 18 subdivisions. The rainfall distribution in different subdivisions during 1 October to 31 December 2018 is depicted in Fig. 1

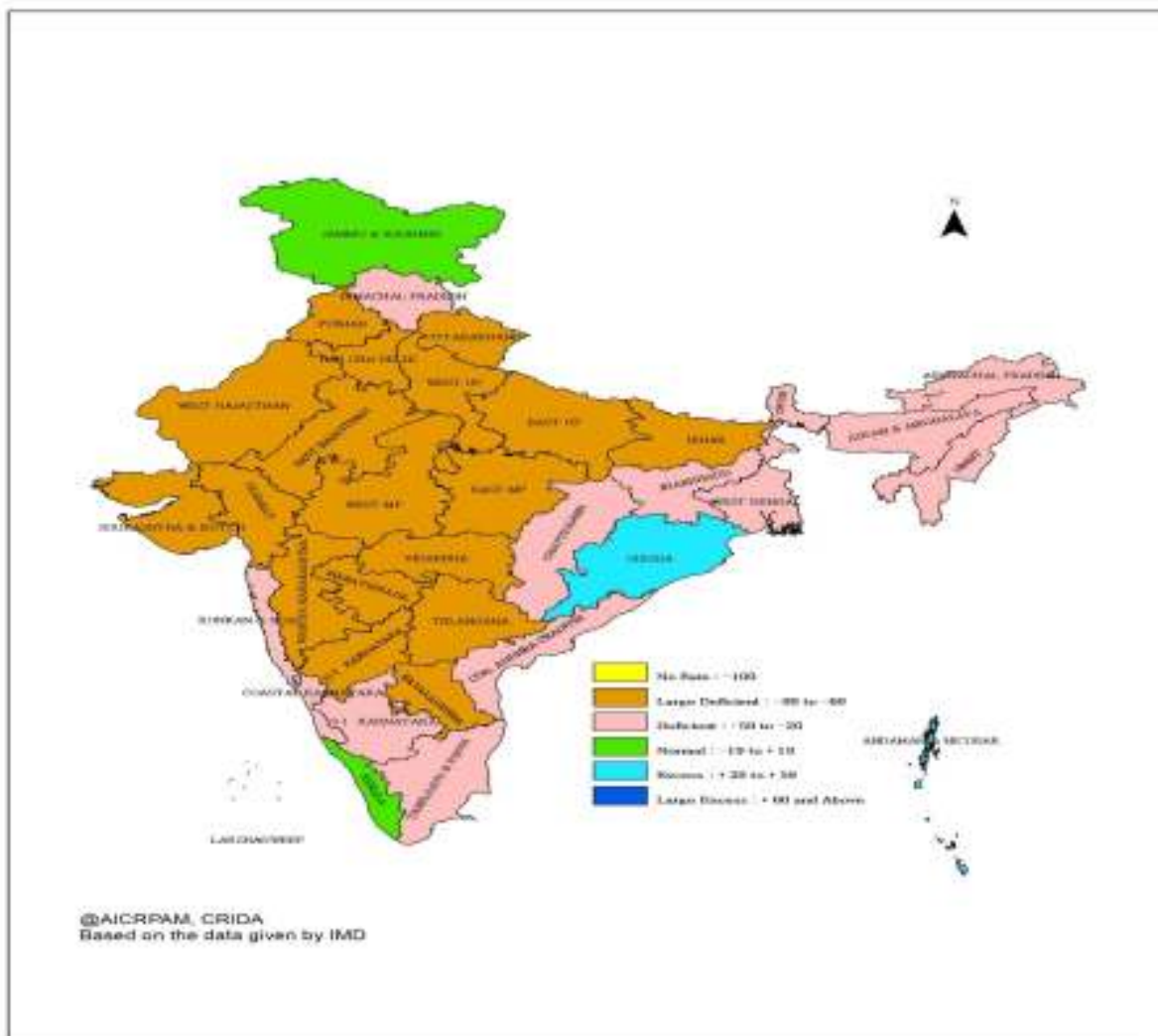


Fig. 1: Meteorological sub-division wise rainfall received during 1 October to 31 December 2018

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

Date of issue	AICRPAM Center	Agromet Advisory issued
07-12-2018	Kerala	<ul style="list-style-type: none"> • Green ginger can be harvested. To control soft rot, drench the soil with 1% Bordeaux mixture/0.3% Mancozeb. Application of Pseudomonas, split application of fertilizers and increased application of organic fertilizers are found to be effective in controlling the disease. Spray 0.1% Malathion to control shoot borer. • Destroy the Spodoptera affected leaves in Banana. If the attack is severe, spray Quinolphos 2ml per one litre of water or Chlorantraniliprole 3 ml per 10 litre of water.
	Tamil Nadu	<ul style="list-style-type: none"> • To control webworm in maize, spray Monochrotophos @ 1 litre/ha. • To control stem borer in sorghum, mix Phorate 10 G 8 kg/ha with sand to make up a total quantity of 50 kg/ha and apply in the leaf whorls on rainless days. • To control Yellow mosaic virus in pulses, foliar spray of neem formulation 3 ml/lit (or) Spray of Dimethoate 30 EC 500 ml/ha is to be taken up and repeated after 15 days, if necessary.
	South Interior Karnataka	<ul style="list-style-type: none"> • Due to low temperature during night followed by morning dew the pod borer incidence was noticed in the redgram crop. If the pod borer is of big size, then go for spraying of NPV 0.75 ml per litre of water or spray Indoxacarb 14.5 SC @ 0.5 ml/litre or Spynosad 45 SC @ 0.15 ml/litre or chloropyriphos 20 EC @ 2ml/litre.

14-12-2018	Marathwada	<ul style="list-style-type: none"> Sowing of wheat crop should be completed before 15th December. For late sowing of wheat crop use 125 to 150 kg / ha seed rate. Row to row spacing must be 18 cm. For management of pod borer in pigeonpea crop, spray Chlorantraniliprole 18.5 % @ 60 ml or Chlorantraniliprole 0.3 % + Lambda cyhalothrin 4.6 % @ 80 ml per acre.
	Vidarbha	<ul style="list-style-type: none"> Forecast of cloudy weather on next four days. Undertake clean picking of cotton and keep picked cotton produce at dry place. In mandarin orange, basin mulching with organic residues/timely irrigation is advisable.
21-12-2018	Odisha	<ul style="list-style-type: none"> To avoid rotting of cauliflower and cabbage due to heavy rain, spray 1.5 gram Streptocycline in 10 litre water. Due to rain, the chilli may be affected by Thrips. To control it, spray 0.3 gram Metacid or 2 ml Fenpyroximate or 1 ml Spiromesifen per litre water. The prevailing cloudy weather may aggravate the infestation of aphid and powdery mildew in pulses and cole crops. Spray 5 ml Imidacloprid or 20 ml Metasystox per 10 litre water to control aphid and spray 50 g Sulfex per 10 litre water to control powdery mildew. As the districts received a fair amount of rainfall, go for nursery raising for summer rice in wet bed nursery.
	Assam	<ul style="list-style-type: none"> Due to low temperature, occurrence of saw fly may be seen in rapeseed & mustard crop. To control this pest, spray chloropyriphos 20EC @ 5mm/litre of water. The weather condition since past week was found favourable for occurrence of late blight in potato. To control, spray Mancozeb @ 2.5gram/litre of water in the fair weather. Alternatively, Zineb @ 25 gram per 10 litre of water may also be used.

28-12-2018	Jharkhand	<ul style="list-style-type: none"> • In late sown wheat crop, broadcast urea @ 22 kg per acre after weeding. If the weed infestation is high, then spray weedicide Isoproburon (0.30 kg a.i.) and 2,4 - D (0.20 kg a.i.) in 240 litre of water per acre between 30 and 35 days of sowing of the crop. • Nipping (pruning of upper parts of the plant) should be done in 30 to 40 days (before flowering stage) in chickpea.
	Punjab	<ul style="list-style-type: none"> • As night temperatures are below normal these days, and there is prediction of frost, so farmers are advised to protect the fruit plants particularly young ones from low temperature. Prepare the thatches on the young fruit plants and apply light irrigation to orchards. The plants are to be covered on all sides except south-west so that the plant gets sufficient sunlight. • As dry weather is expected in coming 2-3 days, farmers are advised to apply irrigation to early and normal sown wheat crop. • In case of rust in pea, spray 500 g of Indofil M-45 in 200 litres of water.
	Himachal Pradesh	<ul style="list-style-type: none"> • Add mulch material in space between two rows of vegetables crops for conservation of soil moisture and maintaining the soil temperature. • Farmers are advised to start earthing-up in potato if crop has attained a height of 15-22 cm. • Wrapping of plastic sheets around mango trunk to prevent climbing of young mealy bugs.