

**All India Coordinated Research Project on Agrometeorology (AICRPAM)**  
ICAR-Central Research Institute for Dryland Agriculture  
Santoshnagar, Hyderabad – 500059

**Weather Conditions and Agromet Advisories Issued during November 2018**

**1. General Weather Conditions**

During 1 June –30 November 2018, the country as a whole has received 56.6 mm rainfall, which is 49% Deficit, compared to the normal rainfall for the same period (111.3 mm). Out of 36 meteorological sub-divisions, rainfall was excess in 1 subdivision, normal in 05, deficient in 08 subdivisions and large deficient in 22 subdivisions. The rainfall distribution in different subdivisions during 1 June –30 November 2018 is depicted in Fig. 1

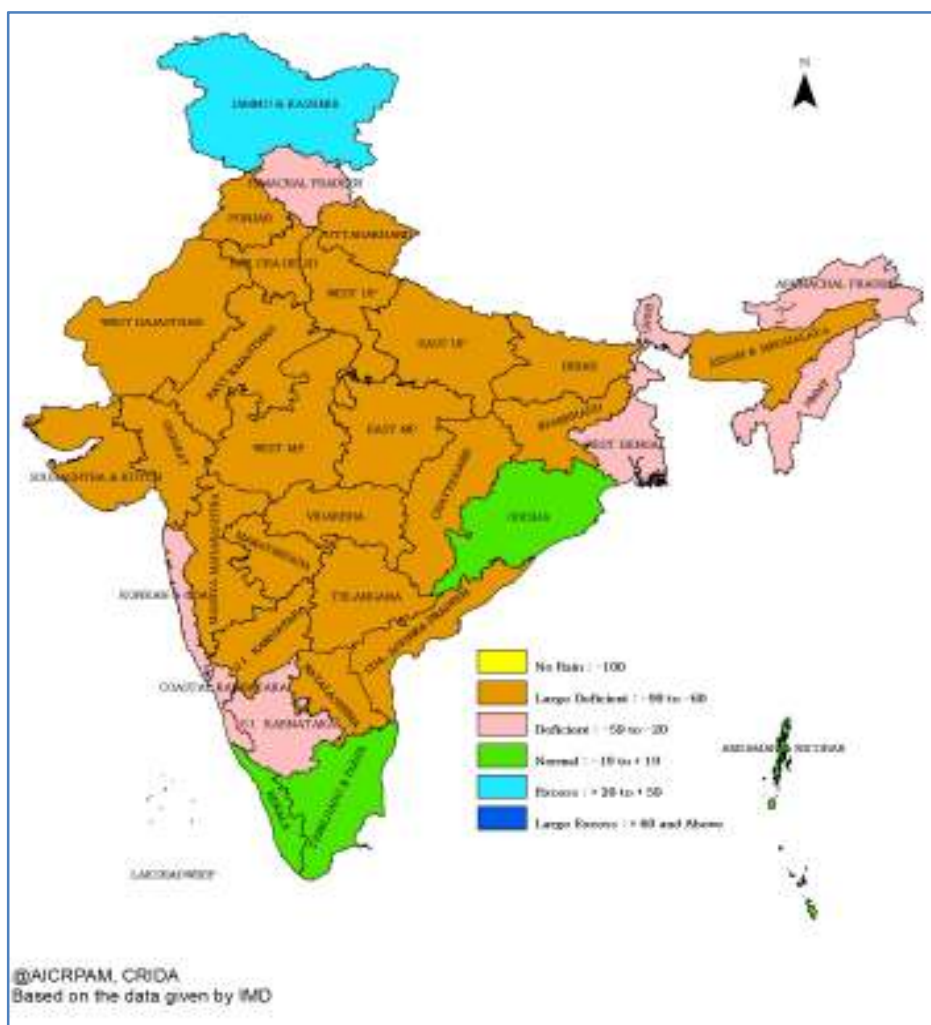


Fig. 1: Meteorological sub-divisional wise rainfall received during 1 June–30 November 2018

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

Date of issue	AICRPAM Center	Agromet Advisory issued
02-11-2018	<b>Kerala</b>	<ul style="list-style-type: none"> <li>This is the best time to sow cabbage and cauliflower seeds in the nursery beds. Addition of pseudomonas culture to the soil at the time of planting of cabbage and cauliflower will help to reduce fungal diseases. There is a chance of spodoptera in vegetables. If the attack is severe, spray quinalphos 2ml per one litre of water or chlorantraniliprole 3 ml per 10 litre of water.</li> </ul>
	<b>Tamil Nadu</b>	<ul style="list-style-type: none"> <li>As rainfall is expected in the coming days, apply fertilizers to dry land crops viz cotton 40:20:40, sorghum 40:20:0 and pulses 12.5: 25: 12.5 NPK/ha.</li> <li>Leafhopper incidence is observed in cotton. To control, spray Imidacloprid 200 SL 100 ml/ha or Fipronil 5%SC 1500-2000 ml/ha.</li> <li>Yellow mosaic virus was noticed in pulses. Foliar spray of neem formulation 3 ml/litre or spray dimethoate 30 EC 500 ml/ha and repeat after 15 days, if necessary.</li> </ul>
	<b>Madhya Maharashtra</b>	<ul style="list-style-type: none"> <li>To control white grub in sugarcane apply drenching of 50EC Chloropyriphos @1 L + 400 L water near sugarcane roots with the help of sprayer without nozal or apply granular insecticides 10% phorate / 0.3 % fipronil / 0.4 % chlorantraniliprole @ 25 kg/ ha well mixed into soil of ridges/ furrow.</li> <li>Install 5 pheromone traps/ha in pigeon pea using helilurefor to destroy eggs of Helicoverpa armigeraspray emamectin benzoate @ 4 gm per 10 litre water.</li> </ul>

09-11-2018	Vidarbha	<ul style="list-style-type: none"> <li>To control pink bollworm infestation, follow IPM practices such as , installation of pheromone traps @ 2 per acre for monitoring pink bollworm and spray of 5% neem extract or Azadirachtin 0.03% (300 ppm) @ 50 ml per 10 litres of water have to taken up to manage the initial incidence of pink boll worm in cotton.</li> <li>To control incidence of brown plant hopper in rice, farmers are advised to spray Azadirachtin 0.15% 40ml per 10 litres of water.</li> </ul>
	Jharkhand	<ul style="list-style-type: none"> <li>To control the attack of insect in black gram and green gram, spray the insecticide Quinolphos @ 2 ml per litre of water.</li> <li>In Rice crop, to control the attack of insect, dusting of Chlorpyrifos / Quinolphos / Methyl Parathion dust @ 10 kg per acre is recommended.</li> </ul>
16-11-2018	Rajasthan	<ul style="list-style-type: none"> <li>In mustard, hoeing and thinning should be done where crop is at 15 to 20 days and keep plant to plant distance 10- 20 cm. Top dressing of 30 kg nitrogen should be done along with irrigation where the crop attain 30-35 days.</li> <li>This is right time for normal sowing of wheat as the mean temperature around 20°C is suitable for sowing of wheat for getting higher yield. The improved varieties are Raj-4037, Raj-3077, Raj- 3765, HD-2864, GW-322, Raj-1555, HI-8498, HI-1544 and Lok-1.</li> <li>Farmers are advised to complete the sowing of lucerne and berseem for green fodder and oats for dual purpose during this week. The improved varieties of dual purpose oats are Kent, UPO-212, JHO-822.</li> </ul>
	Assam	<ul style="list-style-type: none"> <li>Farmers are advised to continue the land preparation and planting of potato. Apply 19 kg urea, 45 kg SSP and 12 kg MOP per bigha during the time of final land preparation. Select recommended potato varieties like Kufri Chandramukhi, Kufri Jyoti, Kufri Megha, Kufri Badshah, Kufri Sindhuri, Pukhraj etc for higher production.</li> </ul>

23-11-2018	<b>West Bengal</b>	<ul style="list-style-type: none"> <li>• Boro-rice: Start nursery bed preparation. Also start collecting seeds of improved varieties.</li> <li>• Mustard: Start sowing of Sita, Vagirathi etc varieties.</li> <li>• Chilli, Brinjal, Tomato: As there is no chance of rainfall for next 5 days, irrigation should be given. As leaf wetness period is increasing due to morning dew fall, powdery mildew and leaf spot may be initiated. Continuous vigilance is needed.</li> <li>• Potato: Planting should be done as early</li> </ul>
	<b>Chhattisgarh</b>	<ul style="list-style-type: none"> <li>• Before sowing, the seed of vegetables should be treated with Metalexyl @ 1 gram per kilogram of seed.</li> <li>• Apply Borax @ 100 gram and Magnesium Sulfate @ 80 gram per tree near the root zone and mixed properly in the soil.</li> <li>• To increase the water use efficiency in horticulture crop adopt drip irrigation system.</li> </ul>
30-11-2018	<b>Bihar</b>	<ul style="list-style-type: none"> <li>• Farmers are advised to remove weeds from onion nursery at the regular interval of 7-10 days. Give light irrigation after weeding. Protect the nursery seedlings from insect-pest and disease infestation.</li> <li>• Farmers are advised to complete the sowing of gram up to 10th December. Pusa-256, KPG-59 (Udai), KWR-108, pant G-186 and Pusa-372 varieties of gram are recommended for sowing in north Bihar region.</li> </ul>
	<b>Punjab</b>	<ul style="list-style-type: none"> <li>• It is optimum time to sow wheat varieties like PBW 550, Unnat PBW 550.</li> <li>• Farmers are advised to treat wheat seed with 13 ml Raxil Easy/Orius 6 FS by dissolving in 400 ml water or 120 g Vitavax Power 75 WS or 80 g Vitavax 75 WP or 40 g Seedex 2 DS/Exzole 2 DS per 40 kg seed, using seed treatment drum to control loose smut and flag smut of wheat. Do not treat seed a month before sowing as it hampers germination.</li> </ul>