

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 June 2018

1. General Weather Conditions

During 1 - 30 June 2018, the country as a whole has received 155.3 mm rainfall, which is 5% Deficit, compared to the normal rainfall for the same period (163.6 mm). Out of 36 meteorological sub-divisions, rainfall was large excess in 2 sub-divisions; excess in 11; normal in 12; deficient in 10 and largely deficient in 1 subdivisions. The rainfall received during 1 June - 30 June 2018 is depicted in Fig. 1

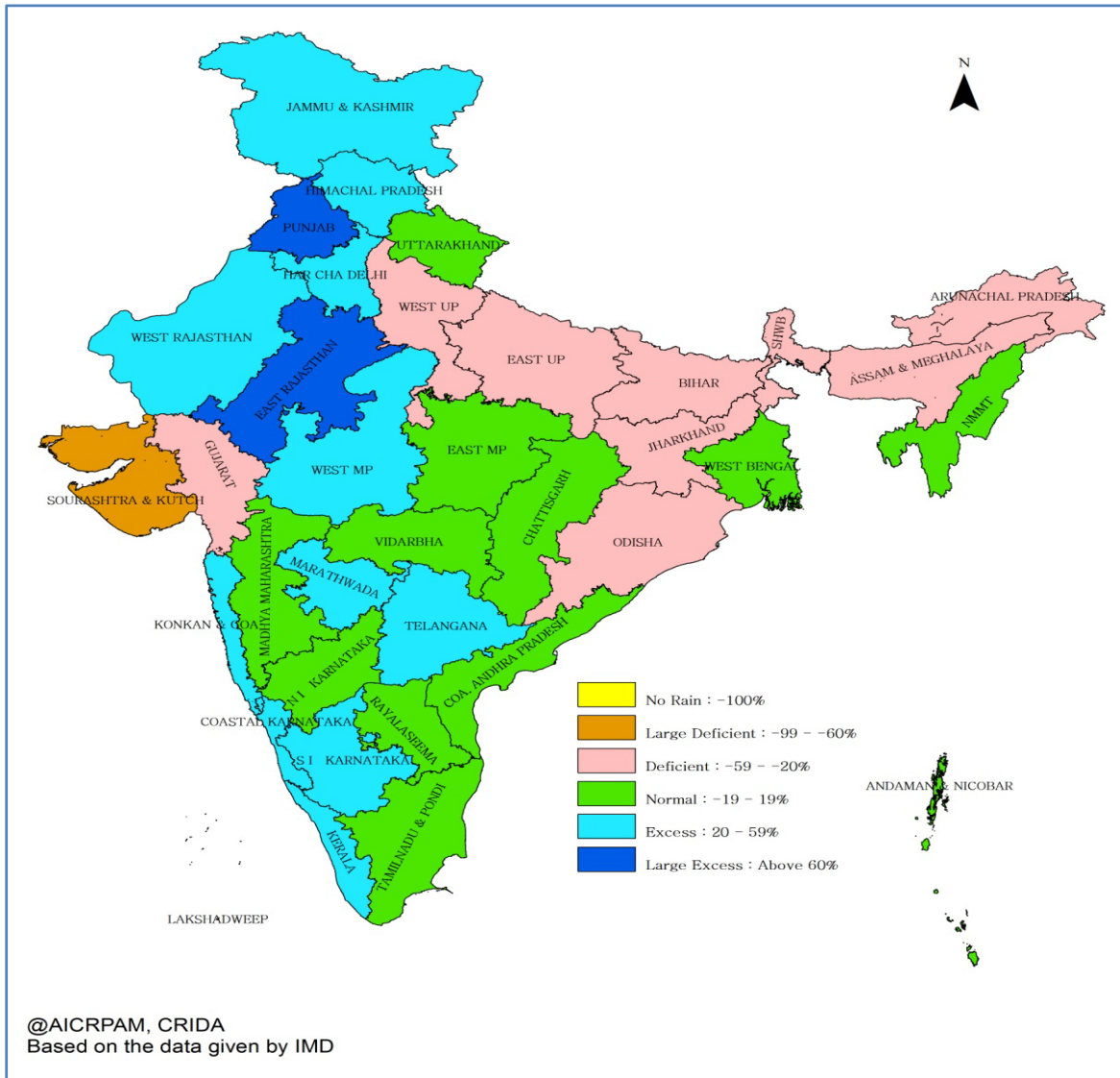


Fig. 1: Meteorological sub-divisional-wise rainfall received during 1 - 30 June 2018

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

Date of issue	AICRPAM centre	Agromet Advisory issued
01-06-2018	Tamil Nadu	<ul style="list-style-type: none"> • Prevailing weather condition is favourable for mealy bug and red cotton bug incidence in cotton. To control mealy bug farmers are advised to spray Profenophos @ 2ml/litre. To control red cotton bug, spray Phosphamidon 40 SL 600 ml/ha. • To avoid heat stress due to high temperature on animals provide adequate drinking water and green fodder and spray water on gunny bags surrounding the cattle shed.
	Kerala	<ul style="list-style-type: none"> • Coffee: Apply fertilizers @ 85 kg urea, 150 kg rock phosphate and 66 kg potash per hectare of coffee. Leaf rust disease may become severe due to increase in relative humidity.
08-06-2018	Samastipur, Bihar	<ul style="list-style-type: none"> • Farmers are advised to apply nitrogen @30 kg per hectare and Furadon @ 33 kg per hectare in sugarcane crop following which the work of Earthing up is suggested in the crop field. Also apply irrigation after earthing up. • Nursery preparation is advised for <i>kharif</i> onion. Application of FYM/compost is also advised in nursery for healthy seedlings.
	Odisha	<ul style="list-style-type: none"> • Farmers are advised to go for immediate harvesting of matured groundnut crop to avoid viviparous germination. • Go for summer ploughing at places receiving soaking rainfall to reduce weed infestation, to destroy eggs and larvae of hibernated soil insects and to increase soil profile recharge.
15-06-2018	North Interior Karnataka	<ul style="list-style-type: none"> • Farmers are advised to take up plant protection measures in horticultural crops like Pomegranate for bacterial blight, Lime for leaf minor, tomato for fruit borer and watermelon for sucking pests. • Sowing of <i>Kharif</i> crops like Green gram, Black gram, Soybean, Maize, Bt. Cotton, Red gram, Bajra, Sesamum and Groundnut (bunch type) were advised to be take up on preference.
	South Interior Karnataka	<ul style="list-style-type: none"> • Provide staking support to Banana and vegetable crops to protect from uprooting of these crops as high wind speed is forecasted. • Mango: Farmers are advised to take up summer ploughing to expose the soil to kill the insects at different stages. • Vaccinate cow against Foot and Mouth Disease (FMD)

	Marathwada	<ul style="list-style-type: none"> • Application of fertilizer should be done in mango orchard. After harvesting of mango fruits, pruning should be done to remove infected and dried branches with the help of secateur. After pruning, spray 1% Bordeaux mixture (10 g per litre of water).
22-06-2018	Konkan	<ul style="list-style-type: none"> • If rice crop nursery is experiencing water stress, farmers are advised to irrigate the rice nursery. • To control red palm weevil affected coconut, prepare a slanting hole with the help of screw drill at about 1 m height from ground level on tree trunk and pour about 20 ml of 36 % Monocrotophos with the help of plastic funnel in the hole and close the hole with the help of cement.
	Vidarbha	<ul style="list-style-type: none"> • Sowing of kharif crops (cotton, greengram, blackgram, pigeonpea, sorghum, soybean) should be undertaken, if sufficient moisture for germination is available. • Farmers are advised to continue seed bed preparation for nursery sowing of <i>kharif</i> rice in Eastern Vidarbha Zone.
	Jorhat	<ul style="list-style-type: none"> • Rice: Farmers are advised to sow the seeds of Sali rice in the nursery bed. The nursery bed should be of 10 m length and 1.25 m width in levelled, well puddled soil. About 6-7 such beds required to transplant one bigha of land. • Banana : During this monsoon period, farmers may observe small spindle shaped spots on foliage with greyish centre running parallel to veins. To control this disease, spray Carbendazim at first appearance followed by 4 sprays at 30 days interval.
	West Bengal	<ul style="list-style-type: none"> • Jute : In the present weather situation, attacks of caterpillar and mite may be observed. For caterpillar control, no need of spraying insecticide. Only collect the insects for burning. For mite control, apply Monocrotophos (@ 1.5 ml per litre of water). • Aman Rice : As there is forecast of light to moderate rainfall, farmers may start sowing of Aman rice with seed rate of 7-8 kg/bigha. Improved varieties like IET-4094, 2233, Ratna, Bikash, Kitish, Sasya-shree, IR-42, Swarna, Mashuri, IET-8002, etc are recommended.

29-06-2018	Bihar	<ul style="list-style-type: none"> • Weather conditions are favourable for sowing of direct seeded early and medium duration rice varieties. Farmers can go for direct seeding of rice in the fields. • In view of the forecast of widespread rainfall activity in north Bihar districts during next two weeks, farmers are advised to take precaution in harvesting /threshing of summer maize. • As normal rainfall is forecasted during next two weeks, sowing of sesame in the upland areas is advised. Application of 60 quintal compost, 20 kg Nitrogen, 20 kg Phosphorus and 20 kg Potash per hectare is advised during land preparation.
	Chhattisgarh	<ul style="list-style-type: none"> • Rice seeds should be dipped in 17% salt solution for selection of bold seeds and the selected seeds should be rinsed with water. It should be followed by Saaf Super / Carbendazim should be used for seed treatment @ 2g/kg of bold seed. • For Soybean cultivation, deep soils like Dorsa and Kanhar are more suitable. Sowing should always be done in lines. Before sowing of Soybean crop, Carbendazim or Carboxyl should be applied @ 2g/ kg of seed.
	Gujarat	<ul style="list-style-type: none"> • Timely sown groundnut and cotton crop is advised after the receipt of adequate rainfall. Seed treatment with Thiram or Captan is recommended for Groundnut before sowing. • To control whitefly in vegetables, farmers are advised to spray neem seed extract 500 ml or neem oil 40 ml and Acetamiprid 20% SP @ 5g/10 litres of water at 15 days interval. • Nursery preparation is advised for tomato, chilli, brinjal and early cauliflower under shade nets. Transplanting of brinjal, chilli and early cauliflower is advised for farmers having nursery seedlings.