

All India Coordinated Research Project on Agrometeorology (AICRPAM)

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Weather conditions and Agromet advisories issued during August 2022

1. General Weather Conditions

During 01 June - 31 August 2022, the country as a whole received 744 mm rainfall, which is 6% excess, compared to the normal rainfall (701 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was large excess, excess, normal and deficient in 03, 11, 16, and 06 sub-division(s), respectively as depicted in Fig. 1.

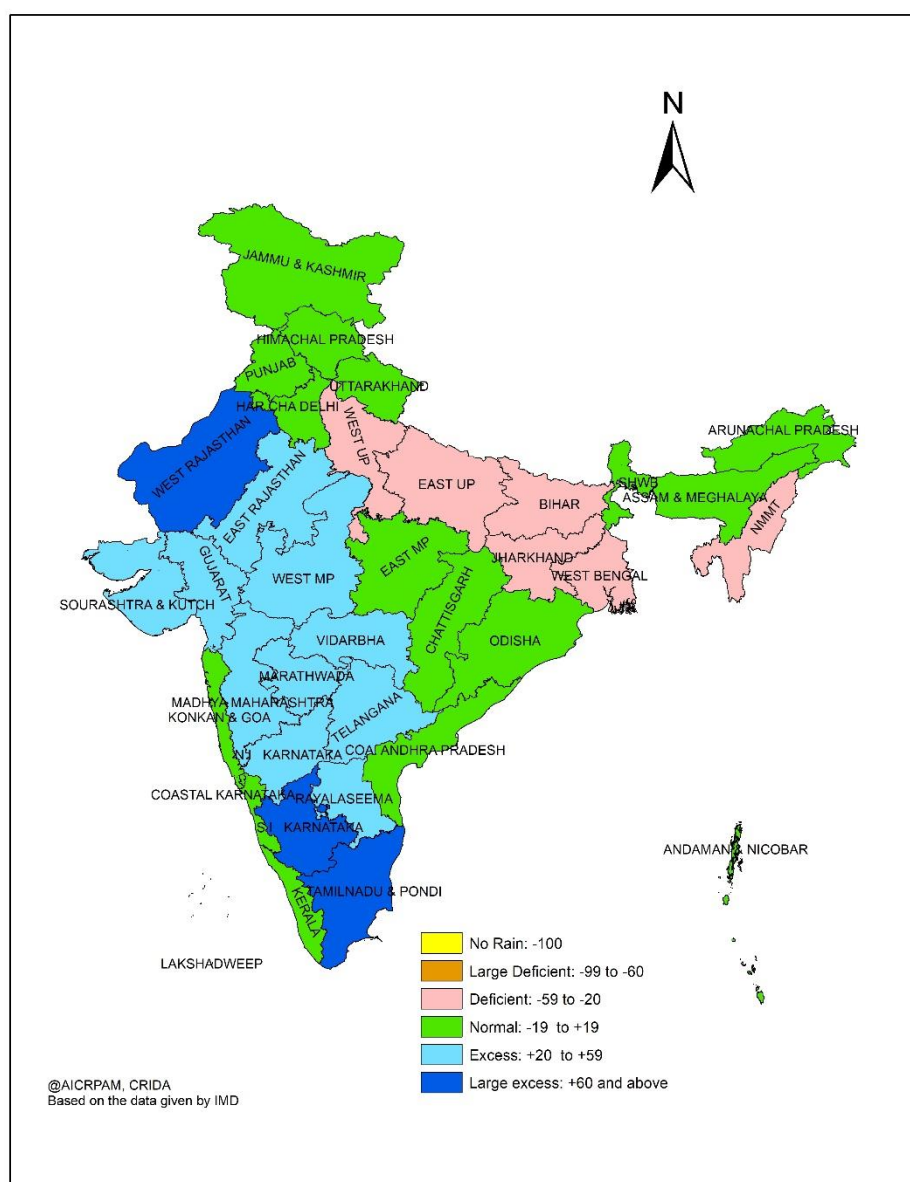


Fig. 1: Seasonal rainfall status (01 June - 31 August 2022) in 36 meteorological sub-divisions, India

2. Agromet advisories issued by AICRPAM centers during August 2022

Date of issue	Advisory issued for the region	Agromet Advisory issued
05-08-2022	Eastern Uttar Pradesh	<ul style="list-style-type: none"> For transplanting of rice till 15 August, use short duration varieties (100-110 days) like NDR 118. Transplanting to be done with 21 days old seedlings from conventional nursery or 12 days old seedlings for SRI method Under prevailing weather condition, sowing of improved varieties of red gram is advised. Recommended varieties are Pusa 2002, Pusa 2001, Pusa 992, Pusa 991 and Narendra Arhar 2
	Jharkhand	<ul style="list-style-type: none"> In-situ moisture conservation measures covering both soil and land management practices to be practiced such as field bunding, ridges and furrows, conservation furrows, broad bed and furrow systems, mulches etc. Sowing needs to be done only when sufficient moisture is available in soil root zone. Unless 50-60mm rainfall is received over a period of 2-3 days, sowing should not be carried out.
	West Bengal	<p>Grow medium and short duration preferably drought tolerant varieties recommended for the region.</p> <ul style="list-style-type: none"> Maize: Ganga-11, Bio 9681 and Suwani-1 composite KMH 218+, KMH 3426, NMH 803, HM 12, HM 9, Malviya Hybrid Makka 2, Vivek Maize Hybrid 43, Vivek Maize Hybrid 39, Vivek Maize Hybrid 25, Suwan, Birsavikas Makka 2, Pusa Early Sakatiman 1, DK 701, Ganga 2, Sartaj 102; Composites- Kanchan, Azad Deccan 107, Navneet, Pigeon pea: Narendra Arhar 1, Bahar, Sharad Narndra Arhar 2, Pusa 9, Black gram: Pant U-31, Pant U-19, WBU-108, WBU-109, Ground nut: Mallika, Vijetha, Girnar-3 Sesame: Tilottoma, Rama, Savitri, kanke white, SWB-32-10-1
	Bihar	Foliar spray of 1-3% urea (with or without 0.5% ZnSO ₄), 2% DAP, 2% 13:0:45 or 2% 19:19:19 solutions during intermittent drought and immediately after rains to rejuvenate the crops.
	Kerala	Propping is advised in banana plants and ensure proper drainage facilities to avoid water logging in banana gardens.
	Tamil Nadu	Since dry weather is expected in week-1, farmers are advised to apply irrigation in crop fields.

12-08-2022	Odisha	Due to heavy rainfall in the last week, it is advised to drain out the excess water from jute field as it affects the quality of fibre.
	Chhattisgarh	The present weather is suitable for planting of fruit crops like papaya, mango, guava and banana etc. and also for agroforestry plants.
19-08-2022	Madhya Pradesh	Farmers are advised to follow cultural practices like weeding and inter-cultural operations both in late sown rice and vegetable crops.
	Gujarat	To prevent leaf spot disease infestation in groundnut crop, it is advised to spray Tebuconazole 18.3 % SC @ 10 ml in 10 litres of water as precautionary measure.
	Andhra Pradesh	In Ananthapuramu, Kurnool, Kadapa, Chittoor and Prakasam districts, farmers are advised to select the redgram varieties like LRG-41, LRG-52, PRG-176, ICPL 85063 and ICPL 87119. The optimum sowing time for redgram is June to August.
	Punjab	As above rainfall is forecasted during first week, farmers are advised to avoid spraying any pesticides and drain out the excess rain water from sensitive crops like maize, cotton, vegetables, orchards, etc.
26-08-2022	Uttar Pradesh	Due to highly deficit rainfall condition (44 districts of Uttar Pradesh have received deficient rainfall and 21 districts have received large deficient rainfall), farmers are advised for sowing of following recommended short duration, late sown varieties of: <ul style="list-style-type: none"> • Pigeon pea: <i>PDA-11, Narendra Arhar-2, MAL-13, IPA-203</i> and <i>Pusa-9</i>. • Green gram: <i>IPM-205-7, KM-2195, KM-2241 Azad moong-1, IPM-302-2 Meha, MH-2-15</i> and <i>TM-9937</i>. • Pearl millet (composite varieties): <i>ICMB-155, WCC-69, ICTP-8203, Raj-171</i> and hybrid varieties <i>Pusa-322, Pusa-32</i> and <i>ICMH-451</i>.
	Uttarakhand	For the management of brown plant hoppers (BPH) in rice field, it is advised to install light trap, pheromone trap, and yellow card or spray Buprofezin 25% SC @ 800ml/ha, Imidacloprid 17.8% SL @ 120ml/ha during clear weather condition
	South Interior Karnataka	In long-duration field crops like pigeon pea and castor, earthing up is advised for better availability of soil moisture to the crop rows.
	West Bengal	The transplanting date for paddy is over. Some recommended paddy varieties for upland conditions, which has lesser crop water requirement are: <i>Bhatmuri, kelas, zinni, pari</i> and <i>kakri</i> etc.