

Advisory for DD Kisan dated 10.08.18
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- Western part of the monsoon trough is likely to shift northwards during next 48 hours. However, its eastern part is likely to remain in its near normal position and also active during next 5-6 days. A fresh low pressure area is likely to form over northwest Bay of Bengal & neighbourhood around 13th August.
- Under the above scenario, fairly widespread to widespread rainfall with isolated heavy falls very likely over Uttar Pradesh, Western Himalayan region and eastern parts of India during 11th -13th August.
- The ongoing rainfall activity over Kerala, Karnataka and Ghat areas of Tamilnadu is likely to reduce in intensity from today. However, a further increase in the intensity of rainfall is likely during 13th-15th August in association with a fresh surge of monsoon westerlies.
- Heavy to very heavy rainfall occurred over Kerala and Heavy rainfall occurred at isolated places over Rajasthan, Madhya Pradesh, Coastal & South Interior Karnataka, Andaman & Nicobar islands and Sub-Himalayan West Bengal & Sikkim from 0830 hours IST of yesterday to 0830 hours IST of today.

Realised Rainfall

(From 0830 hours IST of yesterday to 0830 hours IST of today):

- Rain/thundershowers observed at most places over Konkan & Goa, Coastal Karnataka, Kerala and Andaman & Nicobar Islands; at many places over interior Karnataka, Vidarbha, Madhya Pradesh, Lakshadweep and Jharkhand; at a few places over Gujarat state, Himachal Pradesh, Uttarakhand, Punjab, Rajasthan, West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra and Coastal Andhra Pradesh; at isolated places over Jammu & Kashmir, Bihar, Odisha, Marathwada, Telangana, Rayalaseema and Tamilnadu & Puducherry.

5 Day Rainfall Forecast (Mid-day)

10th August 2018

Met-Sub-Division	10-Aug Today	11Aug Sat	12Aug Sun	13Aug Mon	14Aug Tue
1. Andaman & Nicobar Islands	WS	WS	WS	FWS	FWS
2. Arunachal Pradesh	FWS	WS	WS	FWS	SCT
3. Assam & Meghalaya	FWS	WS	WS	FWS	SCT
4. N. M. M. & T.	FWS	WS	WS	WS	FWS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	SCT	SCT	FWS	WS	WS
7. Odisha	FWS	FWS	FWS	WS	WS
8. Jharkhand	SCT	WS	WS	WS	WS
9. Bihar	FWS	FWS	WS	WS	FWS
10. East Uttar Pradesh	SCT	FWS	FWS	FWS	FWS
11. West Uttar Pradesh	ISOL	FWS	FWS	FWS	FWS
12. Uttarakhand	FWS	WS	WS	WS	FWS
13. Haryana, Chd & Delhi	ISOL	SCT	FWS	FWS	SCT
14. Punjab	ISOL	SCT	SCT	SCT	SCT
15. Himachal Pradesh	SCT	FWS	WS	WS	FWS
16. Jammu & Kashmir	ISOL	SCT	FWS	FWS	FWS
17. West Rajsthan	ISOL	ISOL	ISOL	ISOL	ISOL
18. East Rajasthan	SCT	ISOL	ISOL	SCT	SCT
19. West Madhya Pradesh	FWS	SCT	SCT	SCT	SCT
20. East Madhya Pradesh	FWS	FWS	FWS	FWS	FWS
21. Gujarat Region	SCT	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	SCT	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	SCT	SCT	SCT	SCT
25. Marathawada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	SCT	SCT	SCT	SCT	SCT
27. Chhattisgarh	FWS	FWS	WS	WS	WS
28. Coastal Andhra Pradesh	SCT	SCT	SCT	SCT	SCT
29. Telangana	SCT	SCT	ISOL	ISOL	ISOL
30. Rayalaseema	SCT	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	SCT	SCT	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	SCT	SCT	FWS	FWS
34. South Interior Karnataka	FWS	FWS	FWS	FWS	FWS
35. Kerala	WS	WS	WS	WS	WS
36. Lakshadweep	FWS	FWS	FWS	WS	WS

% Station Reporting Rainfall

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

Weather Warning

- **10 August (Day 1):** Heavy to very heavy rain at isolated places very likely over Tamilnadu and Kerala; heavy rain at isolated places very likely over Uttarakhand, East Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh and Coastal & South Interior Karnataka.

Rough to very rough Sea conditions are likely to prevail over west central Arabian Sea. Fishermen are advised not to venture into this area.
- **11 August (Day 2):** Heavy to very heavy rain at isolated places very likely over Uttarakhand and Sub-Himalayan West Bengal & Sikkim; heavy rain at isolated places very likely over Himachal Pradesh, Uttar Pradesh, Chhattisgarh, Bihar, Jharkhand, Odisha, Arunachal Pradesh, Assam & Meghalaya, Coastal Andhra Pradesh, Coastal Karnataka, Tamilnadu and Kerala.

Rough to very rough Sea conditions are likely to prevail over west central Arabian Sea. Fishermen are advised not to venture into this area.

- **12 August (Day 3):** Heavy to very heavy rain at isolated places likely over Himachal Pradesh, Uttarakhand, Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim; heavy rain at isolated places likely over Jammu & Kashmir, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Madhya Pradesh, Bihar, Gangetic West Bengal, Odisha, Coastal Karnataka and Kerala.

Rough to very rough Sea conditions are likely to prevail over Central Bay of Bengal, Central Arabian Sea and along and off Maharashtra, Andhra Pradesh and Tamilnadu Coasts. Fishermen are advised not to venture into these areas.

- **13 August (Day 4):** Heavy to very heavy rain at isolated places likely over Uttarakhand, Coastal Karnataka, Odisha, Nagaland, Manipur, Mizoram & Tripura; heavy rain at isolated places likely over Himachal Pradesh, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Jharkhand, Gangetic West Bengal, Konkan & Goa, South Interior Karnataka and Kerala.

Rough to very rough Sea conditions are likely to prevail over Central Bay of Bengal, Central Arabian Sea and along and off Maharashtra, Andhra Pradesh and Tamilnadu Coasts. Fishermen are advised not to venture into these areas.

- **14 August (Day 5):** Heavy to very heavy rain at isolated places likely over Odisha, Coastal Karnataka and Kerala; heavy rain at isolated places likely over East Uttar Pradesh, Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa and South Interior Karnataka.

Rough to very rough Sea conditions are likely to prevail over Central Bay of Bengal, Central Arabian Sea and along and off Maharashtra, Andhra Pradesh and Tamilnadu Coasts. Fishermen are advised not to venture into these areas.

Agromet Advisories for *Kharif* crops from different AMFUs in the country

State-wise Advisories

Kerala

- In low lying areas, strengthen the bunds to protect paddy fields from flood water. After receding of flood water, start preparation of nurseries in paddy fields where the water level is low. In case of late sowing, short duration paddy varieties can be adopted. Repair damaged rain guards. Take care of tapping panels.

Andhra Pradesh

- In Coastal Andhra Pradesh, continue transplanting of paddy seedlings.
- In Rayalaseema, take up sowing of contingency crops like red gram, castor, cowpea, kora, bajra, horsegram after receipt of sufficient rain instead of rainfed groundnut as there will be yield reduction in late sown ground nut crop. Cotton growing farmers are advised to choose high yielding varieties/ Bt hybrids of cotton and take up sowing only after receiving sufficient rainfall. Prefer

early maturing varieties/Bt hybrids, so that the cotton bolls mature before the heavy population buildup of pink bollworm.

- In Coastal Andhra Pradesh, for control of whitefly in green gram and black gram, make foliar application of 5% NSKE or keep yellow sticky traps @ 20 nos. per acre.
- In Rayalaseema, spray Monocrotophos @320 ml or Dimethoate @400 ml or Imidachloprid @ 40 ml per acre for sucking pests in groundnut.

Telangana

- Take up sowing of Sunflower, Castor after receipt of the sufficient rainfall. In view of the dry spell, provide lifesaving irrigation to rain-fed crops like Cotton, Maize and Soybean wherever water is available in farm ponds. Farmers who have not taken up paddy planting till now are advised to sow alternate crops like short duration maize, paddy (prathumna), bajra, korra, ground nut, red gram and sunflower. Take-up nursery sowing of tomato and brinjal. Take up transplanting of chilli.

Tamil Nadu

- Take up ploughing of paddy fields using the released water for Samba rice transplanting with long duration varieties. Dry seeding with seed drill can also be taken up. By using release of water, sow daincha or sunhemp seeds in time and incorporate before flowering (35-40 days) stage. Provide support to banana plants and sugarcane. Undertake land preparation for sowing of irrigated maize crop. Considering the favorable soil moisture, land preparation and sowing may be initiated for irrigated winter Cambodia cotton.
- Occurrence of stem borer and rice hispa is being noticed in the kuruvai paddy. To control this pest, spray Chloriphyriphos @ 500 ml/200 litre of water for one acre.

Karnataka

- In Coastal Karnataka, complete transplanting of rice. Undertake intercultural operations in 25-35 days old maize and cotton crops after current spells of rain.

Odisha

- Continue transplanting of rice. Apply pre-emergence weedicide Bensulfuron methyl + Pretilachlor @10kg/ha or Pyrazosulfuron Ethyl @20g a.i./ha at 3 to 4 days after transplanting.
- In North Central Plateau Zone, go for bushening of direct sown paddy in medium and low land if past 21 days stage. Apply 35 kg Urea per acre at bushening followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it again after one day. Continue sowing of arhar, green gram, black gram and cowpea.

Bihar

- Continue transplanting of rice.
- Drain out excess water from standing crops such as pigeon pea, sunflower, maize, turmeric, yam etc. and vegetables nurseries. Farmers are also suggested for lifting the creepers above the ground on a stand made of bamboo.

Jharkhand

- In fallow uplands, undertake sowing of Arhar (with short duration variety like UPAS-120) and Kulthi or Niger. (variety of Kulthi are V.L.G.-19 or Birsa kulthi-1 and of Niger are Birsa niger-1, Birsa niger-2, Birsa niger-3, Pooja-1).
- Complete transplanting of rice. If the seedlings are too old and has attained vigorous growth, before transplanting prune the upper part and transplant 4-5 seedlings at shallow depth.

- The weather is favourable for the attack of blast disease in rice. As and when symptoms appear, immediately, spray Beam @ 2 g per litre of water after current spells of rain. The spraying of Beam also protects the crop against other fungal disease.

West Bengal

- In the Sub-Himalayan West Bengal, maintain 5 to 7 cm water level in rice fields and drain out excess water. Provide proper drainage facility in soybean, ginger and turmeric fields. Carry out weeding in large cardamom field. Undertake sowing of black gram in uplands after seed treatment with Rhizobium.
- In Gangetic West Bengal, complete the transplanting of Aman wet seeded paddy as early as possible. In view of higher amount of rainfall forecast, farmers are advised to transplant paddy seedling at the earliest in prepared fields.

Maharashtra

- In south Konkan, maintain water level of 5 cm by bunding rice field. In North Konkan, maintain water level of 3-5 cm by bunding rice field.
- In Madhya Maharashtra, maintain water level 2 to 3 cm at the primary growth stage and 3 to 5 cm at the beginning of tillering stage in rice field. Apply light irrigation in green gram (flowering stage) or spray 2% urea as per requirement of crop. To control of thrips in cotton, spray Fipronil 5 SC @ 12 ml or Thiamethoxam 25 WG @ 2 g per 10 liters of water on a non-rainy day. To control aphid, jassids, white fly in green gram and black gram, spray Dimethoate 30% or Lambda cyhalothrin 5% @ 10 ml or Methyl Dimeton 25% @ 8 ml per 10 liters of water on a non-rainy day.
- In Marathwada, apply protective irrigation to standing crops like, soybean, sorghum and pearl millet, vegetables, orchards like mrug bahar pomegranate and sapota as per requirement of crop and availability of water. Protective irrigation should be applied in soybean crop with the help of sprinkler irrigation system. Spray Potasium Nitrate @ 200 g per 10 liter of water in 30 days old soybean crop. To control attack of girdle beetle and leaf eating caterpillar in the crop, spray Chlorantraniliprole 18.5 % @ 4 ml per 10 liter of water.
- In East Vidarbha, maintain 2-3 cm water level in rice fields. Undertake intercultural operation like weeding in pigeonpea. To control spodoptera in soybean, erect 5 pheromone traps per hacter with spodo lure in west Vidarbha.

Gujarat

- In South Gujarat, undertake weeding and intercultural operations in transplanted rice as per need. Maintain 2-3 cm water level in transplanted rice field.
- In Middle Gujarat, continue sowing of castor and cluster bean crops. Continue transplanting of tomato, brinjal and chilli crops. Carry out intercultural operations in black gram and green gram.
- In Saurashtra & Kutch, undertake sowing of castor, sorghum and cluster bean crops under sufficient moisture condition.

Madhya Pradesh

- In West Madhya Pradesh, continue transplanting of brinjal, chilli, tomato, early cauliflower and *kharif* onion. Continue transplanting of rice. Apply irrigation in vegetables as per requirement.
- In Malwa Plateau Zone, continue transplanting of new saplings of fruit plants. If germination of soybean and maize is poor gap filling should be done. In Central Narmada Valley Zone, where germination of normal crops is low, sowing of short duration crops, such as urad, moong, cowpea, kodo, kutki and ramtil etc. is recommended.
- In East Madhya Pradesh, continue transplanting of brinjal, chilli and tomato. Continue transplanting of rice.
- In Kymore Plateau and Satpura Hill Zone, undertake intercultural operations in rice, soybean and red gram after current spells of rain. Continue sowing of green gram and black gram.
- In East Madhya Pradesh, there is possibility of incidence of soybean diseases like leaf spot and anthracnose. For management spray pre mixed fungicide Tebuconazole + Sulphur @ 2 gm/litre or Thiophenate Methyl/Carbendazim @ 1 gm/ litre of water after current spells of rain.

Chhattisgarh

- Continue intercultural operations in different kharif crops like rice, maize, arhar, groundnut, soybean, urad, moong, vegetables etc. after current spells of rain. Continue sowing of red gram, green gram and black gram in fallow field. Continue planting of banana, papaya, mango, guava etc.

Uttarakhand

- In unirrigated (rainfed) mid hilly regions, arrangement of the seeds of early variety of pea should be done for sowing in the mid of August. Provide proper drainage in kharif maize, pulses and vegetables fields. Continue intercultural operations in maize and rice after current spells of rain.

Himachal Pradesh

- Make bunds for conserving rain water in the rice fields. Bund should be higher and wider so that more rain water can be conserved in the field. Provide adequate drainage facility in pulse crop fields.
- Weather is congenial for attack of blast and brown spot on paddy. To control spray Carbendazim @ 2 g per litre of water after current spells of rain.

Punjab, Haryana & Delhi

- In Punjab, in transplanted rice, apply second and third dose urea @ 37 kg per acre. Continue transplanting of early cauliflower. Continue sowing of kharif moong and mash. Continue weeding and hoeing in sugarcane, maize, pulses, vegetables and orchard crops. Continue sowing of radish in Western Plain Zone. Apply 4 sprays of 2 % Potassium Nitrate (13-0-45) solution in cotton at weekly intervals, starting at flower initiation.
- In Delhi, continue sowing of green gram, black gram and transplanting of onion. Continue transplanting of chilli, brinjal and cauliflower. Continue sowing of baby corn and sweet corn.
- In Punjab, to control leaf spots or blight disease in cotton, spray Blitox 500 g + Agrimycin 20 g or Streptocycline 3 g/acre on a non-rainy day and repeat at an interval of 15 to 20 days.
- In Haryana, for control of leafhopper infestation in cotton, spray Imidacloprid (Confidor) 200 SL @ 40 ml/120-150 litre of water per acre on a non-rainy day.

Uttar Pradesh

- In East Uttar Pradesh, continue transplanting of onion, cauliflower, brinjal, chilli and tomato and complete transplanting of rice. Continue intercultural operations in moong, urad, red gram, bajra, jowar and soybean crops after current spells of rain. Undertake planting of mango, ber, guava, lime etc. in new orchard.
- In West Uttar Pradesh, continue transplanting of rice South Western Semi Arid Zone. Continue sowing of bajra, jowar, green gram and black gram.

Rajasthan

- In East Rajasthan, continue intercultural operations in pearl millet, sesame, groundnut, maize and sorghum in clear weather. Continue earthing up in cotton and maize.
- In Arid Western Paln Zone, continue sowing of cluster bean and moth bean instead of pearl millet as late sown crop.