

**Advisory for DD Kisan dated 21.08.18**  
**(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)**

**Significant Weather Features**

- The Low Pressure Area now lies over central parts of north Madhya Pradesh and neighbourhood. Associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestwards with height. The system is very likely to weaken further during next 48 hours. Consequently, western part of the monsoon trough also is likely to shift northwards from 23rd August.
- The above low pressure area is likely to cause widespread rainfall with isolated heavy to very heavy falls over West Madhya Pradesh, Gujarat region, East Rajasthan and northern parts of Konkan and Madhya Maharashtra during next 24 hours. The intensity of rainfall is likely to decrease over these regions thereafter.
- Fairly widespread rainfall with isolated heavy falls are likely over Western Himalayan region and adjoining northern plains during next 24 hours. The rainfall activity is likely to increase over Uttarakhand, Himachal Pradesh and adjoining areas of Uttar Pradesh and Haryana in association with the likely northward shift in the monsoon trough from 23rd August.
- Heavy to very heavy and extremely heavy rain occurred at isolated places over Telangana and Vidarbha; Heavy to very heavy rain observed at isolated places over Himachal Pradesh, Punjab, East Rajasthan, West Madhya Pradesh, Gujarat region, Madhya Maharashtra, Marathwada and Konkan and heavy rain at isolated places over Jammu & Kashmir, West Uttar Pradesh, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya, Odisha and South Interior Karnataka 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 Himachal Pradesh, Uttarakhand, West Bengal & Sikkim, Arunachal Pradesh, East Rajasthan, Madhya Pradesh, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, Chhattisgarh, Odisha, Coastal Karnataka, Kerala, Coastal Andhra Pradesh, Telangana; at many places over Jammu & Kashmir, West Uttar Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Interior Karnataka; at a few places over East Uttar Pradesh, Gujarat Region and at isolated places over Punjab, Bihar, Tamil Nadu & Puducherry, Rayalaseema and Lakshadweep.

## 5 Day Rainfall Forecast (Mid-day)

21<sup>st</sup> August 2018

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

% Station Reporting Rainfall

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

### Weather Warning

- **21 August (Day 1): Heavy to very heavy rain at isolated places** very likely over East Rajasthan, West Madhya Pradesh, Gujarat region, Madhya Maharashtra, Konkan & Goa and Telangana and **heavy rain at isolated places** over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, West Uttar Pradesh, Vidharbha, Arunachal Pradesh, Assam & Meghalaya, Sub- Himalayan West Bengal & Sikkim, Saurashtra & Kutch, Marathwada, Coastal & South Interior Karnataka.
- **22 August (Day 2): Heavy to very heavy rain at isolated places** very likely over Gujarat region and **heavy rain at isolated places** over Uttarakhand, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Madhya Maharashtra, Konkan & Goa and Saurashtra & Kutch.

- **23 August (Day 3): Heavy to very heavy rain at isolated places** very likely over Uttarakhand and **heavy rain at isolated places** over Himachal Pradesh, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Madhya Pradesh, Sub- Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa and Tamilnadu & Puducherry.
- **24 August (Day 4): Heavy to very heavy rain at isolated places** likely over Uttarakhand and **heavy rain at isolated places** over Himachal Pradesh, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Madhya Pradesh, Bihar, Jharkhand, Sub- Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Konkan & Goa.
- **25 August (Day 5): Heavy rain at isolated places** likely over Uttarakhand, West Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal and Odisha.

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

### **State-wise Advisories**

#### **Jammu & Kashmir**

- In Sub Tropical Zone, in view realized rainfall and expected rainfall during next 5 days, make arrangement to drain out excess water from maize, moong, mash and rice fields. Postpone application of fertilizer as well as chemical plant protection measures for next 5 days. Apply 2<sup>nd</sup> dose of N as top dressing in early & normal transplanted paddy during clear weather just before panicle initiation stage i.e 55 – 65 Days after transplanting.

#### **Andhra Pradesh**

- In Krishna Godavari Zone, drain out excess water from rice, maize, green gram & black gram field. Drench green gram & black gram field with copper oxy chloride @ 3g / litre water in clear weather.

#### **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. 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.

#### **West Bengal**

- In New Alluvial Zone, undertake sowing of sweet corn & baby corn in raised bed. Aman rice is at vegetative stage, monitor crop regularly, if population of leaf folder or stem borer is above ETL broadcast Cartap 4% granules or Carbofuran 3% G @ 10 kg/acre or spray Chlorpyrifos 20 EC @ 2 ml / litre of water. In present weather condition, constant monitoring for brown plant hopper in paddy field is advised, if insect population is above ETL spray Imidacloprid 17.8 % SC@ 1.0 ml / 3 litres of water after current spells of rain.
- In Coastal Saline Zone, maintain proper water level in rice field. Weeding should be done at regular interval by hand weeding in the main field. For stem borer attack apply granular pesticide Chlorantraniliprole 0.4g@1.25kg per bigha.

## Assam & Meghalaya

- In North Bank Plain Zone, since there is probability of light rainfall during next 4-5 days, repair the field bunds to reserve water in the upland paddy field. In case of 25-30 days old crop, apply 2nd dose of Urea as top dressing @ 3 kg per bigha for semi dwarf and 1.5 kg per bigha for indigenous varieties for getting better yield in clear weather. Undertake sowing of sesame (Variety: Gauri, Madhabi, ST-1683, Punjab Til No.1 etc), green gram (T-44, Kopergaon, K-851, ML-56, ML-131 etc.) and black gram (Variety: T-9, T-27, Pant U-19, T-122).
- In Upper Brahmaputra Valley Zone, complete transplanting of sali rice. Continue land preparation for sowing of black gram (varieties: T-9, T-27, Pant U 19, T-122, Saonia mah (SB121), KU 301 and USJD113) and green gram (varieties: T44, Kopergaon, K851, ML56, ML131, SG1 (Pratap), SGC16, SGC20, Sonai (SG21-5) etc) in upland areas. Provide adequate drainage facility to drain out excess water from the field.

## Maharashtra

- In south Konkan, maintain water level of 5-8 cm in rice field. In North Konkan, maintain water level of 3-5 cm by bunding rice field. Drain out excess water from the fields. For control of leaf folder in rice, spray Quinalphos 25 % @ 18 ml or 40% Triazophos @ 13 ml or 5% Lambda cyhalothrin @ 5 ml per 10 liter of water after current spell of rain.
- In Madhya Maharashtra, maintain 3 to 5 cm water level in rice field in western Ghat region . Drain out excess water from the fields.  
If yellowing of shoots of cotton is observed, drain out excess water by digging trenches and spray Urea @ 15 kg + Muret of potash @ 25 kg/ ha after removal of water after current spell of rain. To control wilt in pearl millet, undertake drenching of Trichoderma @ 5 g after current spell of rain.
- In Marathwada, drain out the excess water from standing kharif crops like pigeon pea, groundnut, black gram, maize, vegetable fields and orchards.  
Drain out excess water from the cotton fields. Undertake drenching with solution of Copperoxychloride @ 25 g or Carbendazim @ 10 g + Urea @ 100 + Super phosphate @ 300 g in 10 liters of water to control parawilt in cotton after current spell of rain.
- In west Vidarbha, drain out the excess water from standing kharif crops, vegetable fields and orchards. To control parawilt in cotton, undertake drenching with Copper oxychloride @ 25 g + Urea @ 100 g in 10 litres of water after current spell of rains.  
In East Vidarbha, maintain 2-3 cm water level in rice fields.

## Gujarat

- In Bhal and Coastal Zone, drain out excess rain water from Cotton and Pulses fields.
- In South Sourashtra Zone, in groundnut to control stem rot, furrow application of 2.5 kg/ha Tricoderma viridi, 500 kg castor cake or vermicomposting may be done. For the control of sucking pest (aphid, thrips jassid), spray Phosphamidon @3 ml or Dimethoate @ 15 ml / 10 litres of water. In Sesum, spray Dicophol @ 20ml or Ethion @ 20 ml per 10 litres of water to control mite.

## Odisha

- In Western Undulating Zone, keep water upto 5cm in direct seeded Kharif rice field. Make drainage arrangement from Cotton, Maize, and groundnut crop field. In sugarcane, spray Triazophos / Profenophos @2ml/lit of water to control early shoot borer.

## **Punjab**

- In Punjab, in rice spray Fame 480 SL @ 20mL or Morte 75 EC @ 170 g in 100 litres of water per acre to control attack of leaf folder and stem borer.

## **Rajasthan**

- In Flood Prone Eastern Plain Zone, in jowar (sorghum) apply Quinalphos 5% granules 8 – 10kg/ha (5-7 granules/plant) to manage stem borer attack after current spells of rain.
- In Semi-Arid Eastern Plain Zone to control bacterial blight attack in green gram, moth bean and cow pea, spray Streptocyclin @ 1 g and Copper fungicide @ 20 g per 10 litres water in clear weather.