

Advisory for DD Kisan dated 31.07.18
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- The low pressure area over central parts of Uttar Pradesh is very likely to cause fairly widespread to widespread rainfall with isolated heavy to very heavy and extremely heavy falls over parts of Uttar Pradesh during next 2 days. Along with this, parts of Uttarakhand, Bihar and northern most districts of Madhya Pradesh are also very likely to receive fairly widespread to widespread rainfall with isolated heavy falls during the same period.
- Widespread rainfall with isolated very heavy and extremely heavy falls are very likely over Assam & Meghalaya and heavy to very heavy falls over Arunachal Pradesh, Sub-Himalayan West Bengal and Nagaland, Manipur, Mizoram & Tripura during next 48 hours.
- The ongoing widespread rainfall with scattered heavy to very heavy falls owing to strong downstream wind convergence and conducive upper level features over Kerala is likely to continue during next 48 hours and is likely to reduce in intensity thereafter.
- Sea conditions are likely to be rough to very rough along & off Kerala and south Tamil Nadu Coasts and over & around Andaman & Nicobar, Lakshadweep Islands and over the deep ocean in north Bay of Bengal. Fishermen are advised not to venture into Sea over these areas during next 24 hours. Also rough to very rough Sea conditions are likely to prevail over West Central Arabian Sea during next 5 days.

Realised Rainfall

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

- Rainfall observed (from 0830 of yesterday to 0830 hours IST of today): Rain/thundershowers observed at most places over Uttar Pradesh, Coastal Karnataka, West Bengal & Sikkim, Odisha, Andaman & Nicobar, northeastern states and Kerala; at many places over Uttarakhand, South Interior Karnataka, Jharkhand and Bihar; at a few places over North Interior Karnataka and at isolated places over Himachal Pradesh, Haryana, Chandigarh & Delhi, Punjab, Madhya Pradesh, Gujarat State, Madhya Maharashtra, Konkan & Goa, Vidarbha, Chhattisgarh, Telangana, Coastal Andhra Pradesh and Tamilnadu.
- **Heavy to very heavy** rainfall occurred at a few places over East Uttar Pradesh and Kerala and at isolated places over Tamilnadu and Odisha and heavy rain at isolated places over West Uttar Pradesh, Bihar, West Bengal & Sikkim from 0830 hours IST yesterday to 0830 hours IST of today.

5 Day Rainfall Forecast (Mid-day)

31st July 2018

Met-Sub-Division	31-Jul Today	01Aug Wed	02Aug Thu	03Aug Fri	04Aug Sat
1. Andaman & Nicobar Islands	WS	WS	WS	WS	WS
2. Arunachal Pradesh	WS	WS	WS	FWS	FWS
3. Assam & Meghalaya	WS	WS	WS	WS	FWS
4. N. M. M. & T.	WS	WS	WS	FWS	FWS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	FWS
6. Gangetic West Bengal	WS	FWS	FWS	FWS	SCT
7. Odisha	WS	FWS	FWS	SCT	SCT
8. Jharkhand	WS	FWS	FWS	SCT	SCT
9. Bihar	WS	FWS	FWS	FWS	FWS
10. East Uttar Pradesh	WS	WS	WS	FWS	FWS
11. West Uttar Pradesh	WS	FWS	FWS	SCT	SCT
12. Uttarakhand	WS	FWS	FWS	FWS	WS
13. Haryana, Chd & Delhi	ISOL	ISOL	ISOL	ISOL	ISOL
14. Punjab	ISOL	ISOL	ISOL	ISOL	ISOL
15. Himachal Pradesh	ISOL	ISOL	SCT	SCT	FWS
16. Jammu & Kashmir	ISOL	ISOL	ISOL	ISOL	SCT
17. West Rajasthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	ISOL	ISOL	ISOL	DRY	DRY
19. West Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
20. East Madhya Pradesh	SCT	SCT	SCT	SCT	ISOL
21. Gujarat Region	ISOL	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	ISOL	ISOL	ISOL	ISOL
25. Marathwada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	ISOL	ISOL	ISOL	ISOL	ISOL
27. Chhattisgarh	ISOL	ISOL	SCT	ISOL	ISOL
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	SCT	SCT
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	ISOL	ISOL	ISOL	ISOL
34. South Interior Karnataka	FWS	FWS	SCT	SCT	SCT
35. Kerala	WS	WS	WS	WS	FWS
36. Lakshadweep	SCT	SCT	SCT	FWS	FWS

% Station Reporting Rainfall

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

Weather Warning

- **31 July (Day 1):** Heavy to very heavy rain with extremely heavy falls at isolated places very likely over Uttar Pradesh; Heavy rain at a few places with very heavy rain at isolated places very likely over Kerala; heavy to very heavy rain at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu and heavy rain over Uttarakhand, Gangetic West Bengal, Bihar, Odisha, Coastal & South Interior Karnataka and North Madhya Pradesh.
- Sea conditions are likely to be rough to very rough along & off Kerala and Gujarat Coasts and over & around Andaman & Nicobar and Lakshadweep Islands. Fishermen are advised not to venture into sea over these areas.
- **01 August (Day 2):** Heavy to very heavy rain with extremely heavy falls at isolated places very likely over East Uttar Pradesh and Assam & Meghalaya; heavy to very heavy rain at isolated places over West Uttar Pradesh and Kerala; heavy rain over Uttarakhand, Sub- Himalayan West Bengal

& Sikkim, Bihar, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Coastal & South Interior Karnataka, Tamilnadu and East Madhya Pradesh.

- **02 August (Day 3):** Heavy to very heavy rain at isolated places very likely over East Uttar Pradesh, Assam & Meghalaya and heavy rain at isolated places over Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Kerala, Coastal Karnataka, north East Madhya Pradesh and north Chhattisgarh.
- **03 August (Day 4):** Heavy rain at isolated places likely over Uttarakhand, East Uttar Pradesh, Assam & Meghalaya, Coastal Karnataka and Konkan & Goa.
- **04 August (Day 5):** Heavy to very heavy rain at isolated places likely over Uttarakhand and Heavy rain at isolated places over East Uttar Pradesh and Konkan & Goa.

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

Sate-wise Advisories

Kerala

- In Central Zone, due to continuous cloudy condition, there is a chance of leaf folder attack in paddy. Use 2 CC Trichogramma cards per acre to control leaf folder and stem borer. Cut the cards in to small pieces and fix in different parts of the field in plastic cups. If the attack is severe, spray Chlorantraniliprole @ 3ml per 10 litre of water after current spells of rain.
- In Southern Zone, to control leaf folder, rice bug in rice open rolled leaves using a thorny twig and spray Ekalux. To control attack of rice bug, spray Carbaryl (Sevin) @ 600g in 200 litre of water.

Andhra Pradesh

- In Krishna Godavari Zone, undertake main field preparation for transplanting of rice. Apply 16 kg of urea as first top dressing in direct sown rice 20 DAS. To control of leaf hopper/aphids/thrips attack in Bt cotton, spray Acephate@ 300 g / Fipronil @400 ml per acre. Due to subdued rain wilting of plants in red gram is noticed, provide supplementary irrigation.

Jammu & Kashmir

- In Sub Tropical Zone, in normal transplanted rice (if the crop is 25-30 days old, apply 2nd dose of nitrogenous fertilizer as top dressing. Undertake earthing up in late sown maize crop in clear weather. If stalk rot is observed, spray Mancozeb @ 0.25% during clear weather. Undertake intercultural operations (thinning, weeding and hoeing) in green gram and mash at *vattar* condition.

Assam

- In Upper Bramhaputra Valley Zone, continue transplanting of *Sali* rice seedlings in the main field after current spells of heavy rain. In case of short duration, high yielding varieties age of seedlings during time of transplanting should be 21 days and for of long duration varieties the age of seedling should be 30-40 days. Continue planting of pineapple suckers, slips and crowns in the main field.

- In North Bank Plain Zone, continue transplanting of *sali* rice (varieties like Ranjit, Mahsuri *etc.*) in main field. If water does not recede up to July, then short duration varieties like Lachit and Chilarai can be sown up to first part of August.
- In Barak Valley Zone, continue transplanting of *Sali* rice seedlings in the main field after current spells of heavy rain.

Odisha

- In Western Undulating Zone, continue transplanting rice in main field. Keep both end of drainage channels open in upland crop fields to drain excess water from field.

West Bengal

- In Gangetic West Bengal, in Coastal Saline Zone, if submerged conditions are found where transplanting of rice is already completed, arrange for drainage facilities to remove excess water and keep ready the extra seedlings for re-transplanting. Wait for receding of excess water then restart transplanting.

Maharashtra

- In Konkan, maintain water level of 5 cm by bunding rice field. If required, provide water from outside source such as wells, ponds, rivers etc. If incidence blue beetle is observed in the rice crop, spray Quinalphos 25 EC @ 40 ml or Triazophos 40 EC @ 12.5 ml or Lambda Cyhalothrin 5 EC @ 5 ml per 10 litres of water in clear weather.
- In Madhya Maharashtra, maintain water level 2-3 cm in rice fields. Undertake intercultural operation like weeding in pearl millet, pigeonpea and soybean. Apply protective irrigation in standing crops in eastern parts of Pune and Solapur districts. For control of semilooper pest in soybean, disseminate *Numoria reliae* fungi @ 2.5 to 3 kg per hectare or spray Prophenophos 50 EC @ 25 ml per 10 liter of water. Erect 8 to 10 bird perches per acre for control of various types of larval pest in soybean fields.
- In Marathwada, undertake intercultural operations like weeding in crops like pigeon pea, groundnut, banana plantation and grape vine. Apply protective irrigation in banana plantation, grape vine, crops like pigeon pea using drip irrigation system and groundnut using sprinkler irrigation system. Protective Irrigation should be done as per requirement of crop and availability of water. To control pink bollworm in cotton crop, spray of Profenofos 50 % @ 20 ml or Profenofos 40 % + Cypermethrin 4% @ 20 ml per 10 liter of water. Collect and destroy Rosette flowers on the plant.
- In West Vidarbha, undertake intercultural operations (hand weeding/hoeing) in soybean. Undertake opening of conservation furrows in 30 days old crop. To manage the initial incidence of leaf eating caterpillar, spray Azadiractin 300 ppm @50 ml per 10 litres of water. For control of tobacco leaf eating caterpillar, erect pheromone traps (2 to 3 /acre) in soybean field.
In East Vidarbha, complete transplanting of rice seedling. Maintain 2-3 cm water level in rice fields.

Gujarat

- In South Sourashtra Zone, to control of thrips and jassid in cotton, spray Phosphamidon @ 3ml or Dimethoate @ 15 ml or Methyl-O-Demeton @ 15 ml mix in 10 liter of water. Undertake sowing of soybean (varieties: Gujarat Soyabean – 1, 2, 3), sesame (varieties: Purva-1, Guj. Til – 1, 2.)

Punjab

- In Western Zone, as per light rain likely at isolated places in next 2-3 days, farmer are advised not to irrigate paddy and cotton crops. Last dose of Nitrogen (37 kg urea/acre) may be applied to paddy if already not given. In case severe attack of thrips and jassid in cotton, spray Ulala 50 WG @ 80g in 100 litres of water per acre.

Rajasthan

- In Sub Humid Southern Plain and Aravali Hill Zone, undertake sowing of moong, urd, cowpea and cluster bean. Undertake earthing up in cotton and maize. To control sucking pest and mealy bug in cotton, spray Methyl Demeton 25 EC @ 1 liter/ha.
- In Flood Prone Eastern Plain Zone, Carry out weeding and maintain plant population by thinning in timely sown *kharif* crops, like pearl millet, sorghum, sesame and groundnut on clear days. Cut jowar before emergence of inflorescence for fodder purpose.
- In Arid Western Plain Zone Select cluster bean and moth bean instead of pearl millet crops for late sowing. To control infection of root/collar rot in standing crop of groundnut, apply carbendazim @ 2.0 kg/ha mixed with soil at the time of rains or along with irrigation water.