

Advisory for DD Kisan dated 14.08.18

(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- The low pressure area over northwest Bay of Bengal off West Bengal Coast now lies as a well marked low pressure area over northwest Bay of Bengal off West Bengal–north Odisha coasts. Associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestwards with height. It is likely to concentrate into a depression during next 48 hours.
- Western part of monsoon trough is likely to further shift southwards gradually during next 3 days and the above low pressure system is also likely to move westnorthwest wards during next 4-5 days.
- Under this scenario widespread rainfall with heavy to very heavy and extremely heavy falls at isolated places is very likely over Odisha during next 2 days. Widespread rainfall with heavy to very heavy falls very likely over Chhattisgarh during next 2 days, parts of Madhya Pradesh and north Maharashtra on 16th & 17th and over north Konkan & Gujarat state and adjoining parts of Rajasthan on 17th & 18th. The rainfall activity over western Himalayan region is likely to decrease during next 3 -4 days.
- The enhanced rainfall activity over Kerala, Karnataka and Ghat areas of Tamilnadu is likely to continue during next 2 days and decrease in intensity thereafter.
- The resultant dust loading from a dust storm which occurred over Afghanistan yesterday is likely to cause light dust/haze conditions over parts of Rajasthan and Gujarat during next 48 hours.

Realised Rainfall

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

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

5 Day Rainfall Forecast (Mid-day)

14th August 2018

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

% 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

- 14 August (Day 1):** Heavy to very heavy rain at a few places with extremely heavy falls at **isolated places** very likely over Odisha; heavy rain at a few places with very heavy rain at **isolated places** very likely over Coastal Karnataka; heavy to very heavy rain at **isolated places** very likely over Uttarakhand, Konkan & Goa, South Interior Karnataka and Kerala; heavy rain at isolated places very likely over Himachal Pradesh, Haryana, Chandigarh & Delhi, Uttar Pradesh, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Coastal Andhra Pradesh and Tamilnadu.

Rough to very rough Sea conditions are likely to prevail over Westcentral & southwest Arabian Sea and Maharashtra, Gujarat, West Bengal and Odisha coasts. Fishermen are advised not to venture into these areas.

15 August (Day 2): Heavy to very heavy rain at isolated places very likely over East Madhya Pradesh, Odisha and Coastal Karnataka; **heavy rain at isolated places** very likely over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Chhattisgarh, Jharkhand, South Interior Karnataka and Kerala.

Rough to very rough Sea conditions are likely to prevail over Westcentral & southwest Arabian Sea and Maharashtra, Gujarat, West Bengal and Odisha coasts. Fishermen are advised not to venture into these areas.

- **16 August (Day 3): Heavy rain at isolated places** likely over Rajasthan, Madhya Pradesh, Chhattisgarh, Gangetic West Bengal and Coastal Karnataka.

Rough to very rough Sea conditions are likely to prevail over Westcentral & southwest Arabian Sea. Fishermen are advised not to venture into these areas.

- **17 August (Day 4): Heavy rain at isolated places** likely over Rajasthan, West Madhya Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Gujarat region and Coastal Karnataka.

Rough to very rough Sea conditions are likely to prevail over Westcentral & southwest Arabian Sea. Fishermen are advised not to venture into these areas.

- **18 August (Day 5): Heavy rain at isolated places** likely over Rajasthan, West Madhya Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Gujarat region and Coastal Karnataka.

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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.

Kerala

- In low lying areas, strengthen the bunds to protect paddy fields from flood water.
- In Southern Zone, in rice, apply Carbendazim (Bavistin) @ 1g/litre or Iprophenphos (Kitazin EC) @ 1ml/ litre to control blast disease of rice especially neck blast after current spells of rain.

Karnataka

- In North East Transition Zone, to control tobacco leaf eating caterpillar in soybean, spray 0.5ml of Lambdacyhalothrin dissolved in one liter of water. Spray Dimethoate @ 1.7 ml / liter water for control of aphids in black gram.

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.
- 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.

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.

Bihar

- Continue transplanting of rice.
- Drain out excess water from standing crops such as pigeon pea, sunflower, maize, turmeric, yam etc. and vegetables nurseries.

West Bengal

- In New Alluvial Zone, complete the transplanting of Aman wet seeded paddy as early as possible. Undertake transplanting of chilli, brinjal and early cauliflower in raised bed. Proper drainage should be maintained in the field. To control root rot or stem rot in vegetables, spray Chlorothalonil (Kavach) @ 2g and Bavistin or Carbendazim @ 1 g per litre water after current spells of rain.

Assam & Meghalaya

- In North Bank Plain Zone, continue transplanting of long duration rice varieties like Monohar Sali and Gitesh with 60 days seedling whereas Prafulla can be transplanted with 90 days old seedlings. Transplant 21-30 days old sali rice seedlings in the main field and complete the transplanting within this week for getting higher production. In seedling and tillering stage of early transplanted rice, attack of leaf folder or rice hispa may occur. When there is one damage leaf per hill due to attack of leaf folder or appearance of one adult hispa per hill is observed, spray Chloropyrifos 20EC or Monocrotophos 40EC @ 1.5ml per liter of water on a non-rainy day. Undertake sowing of sesame in uplands.
- In Upper Brahmaputra Valley Zone, moderate rainfall and relative humidity around 80% is conducive to brown plant hopper in Sali rice, use mechanical method avoids spraying of pesticides.

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. Drain out excess water from the fields.
- 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. Undertake intercultural operation like weeding in transplanted rice and nagli fields after current spell of rain. To control rust in soybean, spray Propiconazole @ 1ml per liter of water after current spell of rain.

- In Marathwada, to control sucking pest in cotton, spray Fipronil 5 % @ 30 ml or Buprofezin 25 % @ 20 ml per 10 liter of water. To control pink bollworm in cotton, spray Thiodicarb 75 % @ 20 g per 10 liter of water on a non-rainy day. To control leaf roller in pigeonpea, spray 5 % Neem cake extract and collect and destroy infected parts of the crop on a non-rainy day.
- In west Vidarbha, to control spodoptera in soybean, erect 5 pheromone traps per hactar with spodo lure.
In East Vidarbha, maintain 2-3 cm water level in rice fields. To control stem fly and girdle beetle in soybean, spray Chlorantraniliprole 18.5 SC @ 3 ml or Profenofos 50% EC @ 20 ml or Triazophos 40% EC @ 12.5 ml in per 10 liter of water after current spell of rain.

Gujarat

- In Saurashtra & Kutch, undertake sowing of castor, sorghum and cluster bean crops under sufficient moisture condition.
- In North Gujarat Zone, undertake sowing of castor after receiving sufficient rainfall (varieties: GAUCH-2, GCH-5, GCH-6, and GCH-7). Undertake land preparation for sowing of sorghum (varieties: S-1049, GFS-4 and GFS-5) at vaspa condition.

Madhya Pradesh

- In Malwa Plateau Zone, to control stem borer in maize dust foret 10 G @10 kg/ha. In Cotton to control insect pests in cotton, spray Imidacloprid @ 0.5 ml / litre water.

Chhattisgarh

- In North Hill Zone, complete transplanting of rice with suitable seedlings. In upland area, undertake land preparation and sowing of low water requirement kharif crops like urad, sesamum, moong etc. after seed treatment.

Punjab, Haryana & Delhi

- In Punjab, in cotton spray Ulala 50 WG @ 80 g in 100 litres of water per acre to control attack of thrips and jassid on a non-rainy day.
- In Delhi, continue sowing of baby corn and sweet corn in raised bed. In rice broadcast Cartap 4% granules @ 10 kg/acre to control leaf folder or stem borer.

Rajasthan

- In Flood Prone Eastern Plain Zone, apply Quinalphos 5% granules 8 – 10 kg/ha (5-7 granules/plant) to manage stem borer attack in sorghum (jowar). In legumes spray Dimethoate 30 EC @ 1 litre/ ha to manage sucking pests.