

**Advisory for DD Kisan dated 07.08.18**  
**(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)**

**Significant Weather Features**

- The well marked low pressure area over northwest Bay of Bengal and adjoining West Bengal and Odisha persists. Associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestwards with height. The system is very likely to concentrate into a depression and move west northwestwards during next 12 hours.
- Under its influence, widespread rainfall with isolated heavy to very heavy rain with extremely heavy falls is very likely over Odisha and south Chhattisgarh during next 24 hours. North Coastal Andhra Pradesh is likely to receive fairly widespread rainfall with isolated very heavy falls during next 24 hours and parts of Telangana could receive isolated heavy falls during next 48 hours. Madhya Pradesh and Vidarbha are likely to experience fairly widespread to widespread rainfall with isolated heavy to very heavy falls during next 3-4 days.
- Strengthening of low level monsoon westerlies in association with the formation and likely west-northwestward movement of the above system could cause widespread rainfall with isolated heavy to very heavy falls along west coast and the Ghat areas during next 3 days.
- Along with this, convergence of easterlies along the foothills regions is likely to cause fairly widespread to widespread rainfall with isolated heavy to very heavy falls over western Himalayan region and adjoining plains of northwest India during next 2 days.

**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, Uttrakhand, Punjab, Haryana, Chandigarh & Delhi, Bihar, Jharkhand, West Bengal & Sikkim, Chhattisgarh, Odisha, Telangana, Konkan & Goa, Coastal Karnataka, Kerala and Andaman & Nicobar Islands; at many places over Uttar Pradesh, East Madhya Pradesh, Madhya Maharashtra and Interior Karnataka; at a few places over Nagaland, Manipur, Mizoram & Tripura, West Uttar Pradesh, Vidarbha, Coastal Andhra Pradesh and Lakshadweep; at isolated places over Assam & Meghalaya, Gujarat, Rayalaseema and Tamilnadu & Puducherry.

## 5 Day Rainfall Forecast (Mid-day)

7<sup>th</sup> August 2018

Met-Sub-Division	07-Aug Today	08Aug Wed	09Aug Thu	10Aug Fri	11Aug Sat
1. Andaman & Nicobar Islands	WS	WS	WS	WS	WS
2. Arunachal Pradesh	ISOL	ISOL	SCT	FWS	FWS
3. Assam & Meghalaya	SCT	FWS	FWS	FWS	FWS
4. N. M. M. & T.	FWS	WS	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	WS	FWS	FWS	WS	WS
6. Gangetic West Bengal	FWS	FWS	FWS	FWS	WS
7. Odisha	WS	FWS	FWS	FWS	WS
8. Jharkhand	WS	FWS	FWS	FWS	WS
9. Bihar	FWS	SCT	SCT	FWS	FWS
10. East Uttar Pradesh	SCT	SCT	SCT	WS	WS
11. West Uttar Pradesh	SCT	SCT	SCT	WS	WS
12. Uttarakhand	WS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	FWS	SCT	SCT	SCT	FWS
14. Punjab	FWS	SCT	SCT	SCT	FWS
15. Himachal Pradesh	WS	WS	WS	WS	WS
16. Jammu & Kashmir	WS	WS	FWS	FWS	FWS
17. West Rajasthan	ISOL	SCT	SCT	ISOL	ISOL
18. East Rajasthan	SCT	FWS	WS	SCT	ISOL
19. West Madhya Pradesh	SCT	FWS	FWS	FWS	SCT
20. East Madhya Pradesh	WS	WS	FWS	FWS	SCT
21. Gujarat Region	ISOL	SCT	FWS	SCT	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	SCT	SCT	ISOL
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	FWS	FWS	FWS	SCT	SCT
25. Marathwada	SCT	FWS	SCT	ISOL	ISOL
26. Vidharbha	FWS	WS	FWS	SCT	SCT
27. Chhattisgarh	WS	WS	FWS	FWS	FWS
28. Coastal Andhra Pradesh	WS	SCT	ISOL	ISOL	SCT
29. Telangana	FWS	FWS	SCT	ISOL	ISOL
30. Rayalaseema	SCT	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	SCT
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	FWS	FWS	SCT	SCT	SCT
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
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

- 07 August (Day 1): Heavy to very heavy rain with extremely heavy falls at isolated places** very likely over Odisha and Chhattisgarh; **heavy to very heavy rain at isolated places** very likely over Jammu & Kashmir, Coastal Andhra Pradesh and Coastal Karnataka and heavy rain at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh, Gangetic West Bengal, Telangana, South Interior Karnataka, East Madhya Pradesh, Vidarbha, Kerala, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Jharkhand and Andaman & Nicobar Islands. Squally winds reaching 40-50 Kmph gusting to 60 Kmph very likely to prevail along & off West Bengal and Odisha coasts. Rough to very rough Sea conditions are very likely to prevail along & off West Bengal, Odisha, Gujarat, Maharashtra Coasts and West Central Arabian Sea and over and around Andaman & Nicobar Islands. Fishermen are advised not to venture into sea over these areas.

- **08 August (Day 2): Heavy to very heavy rain at isolated places** very likely over Chhattisgarh, East Madhya Pradesh, Coastal Karnataka and Vidarbha and **heavy rain at isolated places** over Jammu & Kashmir, Himachal Pradesh, East Rajasthan, West Madhya Pradesh, Madhya Maharashtra, Marathwada, Odisha, Konkan & Goa, Telangana, South Interior Karnataka, Kerala, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura.  
Rough to very rough Sea conditions are very likely to prevail Gujarat Coast and West Central Arabian Sea.  
Fishermen are advised not to venture into sea over these areas.
- **09 August (Day 3): Heavy to very heavy rain at isolated places** very likely over West Madhya Pradesh and **heavy rain at isolated places** over East Rajasthan, East Madhya Pradesh, Vidarbha, Gujarat region, Madhya Maharashtra, Konkan & Goa, Coastal Karnataka, Kerala and Sub-Himalayan West Bengal & Sikkim.
- **10 August (Day 4): Heavy to very heavy rain at isolated places** likely over Uttarakhand and **heavy rain at isolated places** likely over Jammu & Kashmir, Himachal Pradesh, Uttar Pradesh, West Madhya Pradesh, Sub Himalayan West Bengal & Sikkim, East Rajasthan and Konkan & Goa.
- **11 August (Day 5): Heavy to very heavy rain at isolated places** likely over Himachal Pradesh and Uttarakhand and **heavy rain at isolated places** likely over Jammu & Kashmir, Haryana, Chandigarh, & Delhi, Uttar Pradesh, Chhattisgarh, Assam & Meghalaya, Bihar, Jharkhand, West Bengal & Sikkim 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.
- In Intermediate Zone, undertake hoeing or weeding in rice where crop is 35 days old. To control stem borer look for egg mass on flag leaf of paddy plant and destroy the mass, if any. Install pheromone traps @ 5 – 7/ha for early detection of stem borer. If noticed install pheromone traps @ 12 – 15/ha. For chemical control, apply Carbofuron 3G @ 20 kg/ha in standing water after current spells of rain. Do not drain or irrigate the field for 72 hrs after application. Provide proper drainage in maize field.

#### Rajasthan

- In Semi Arid Eastern Plain Zone, to control leaf eaters in green gram dust Malathion 2% @ 25 kg per hectare in clear weather.
- In Sub Humid Southern Plain and Aravali Hill Zone, to control sucking pest and mealy bug in cotton, spray Methyl Demeton 25 EC @ 1 liter/ha.

## Assam

- Continue transplanting of Sali rice seedlings in the main field. In case of short duration, high yielding varieties the age of seedlings during the time of transplanting should be 21 days and for of long duration varieties the age of seedling should be 30-40 days.
- In Upper Brahmaputra Valley Zone, complete transplanting of late sali rice variety seedlings such as Manohar Sali, Biraj, Andrewasali in the main field. Complete sowing of sesamum in flood-free upland areas within this month (varieties like Gauri, Binayak, RT-1, Punjab Til No-1 etc)
- In North Bank Valley Zone, farmers of flood affected areas are advised to collect short duration HYV rice varieties like Luit, Kapili, Kolong, Dishang etc.

## Meghalaya

- Use 25-30 days old Sali/*Kharif* rice seedling for transplanting. Transplant 2-3 seedlings per hill. After transplanting maintain a thin layer of water in the field. Keep 5 cm of standing water in the field.

## Bihar

- In South Bihar Alluvial Zone, continue transplanting of short duration and scented rice variety seedling which are 21-25 days old. Farmers are advised to monitor fields regularly, if leaf folder or stem borer is observed in rice, broadcast Cartap 4% granules @ 25 kg/ha in clear weather for effective control.
- As adequate soil moisture is available in fields, undertake sowing of pulses crop (Arhar, Mung, Urd) in upland situation, seed rate 8-10 kg per ha for Arhar .

## Kerala

- Clear drainage channels and drain out flood water from paddy fields in Problem Area Zone. In low lying areas strengthen bunds to protect paddy fields from flood water.
- Use 2CC Trichogramma cards per acre to control leaf folder and stem borer in rice crop.

## Odisha

- In view of expected widespread rain with isolated heavy to very heavy and isolated extremely heavy rain, make provisions of drainage from standing crops.
- Incorporate 35-40 days old Dhaincha or Sesbania in the main field for transplanting of rice. Continue transplanting of rice. 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 after current spells of rain. Undertake planting of banana, papaya and lemon after current spells of heavy rain.

## Jharkhand

- Complete sowing of groundnut, soybean, sesame, urad bean and cowpea in uplands after current spells of rain. Undertake cultivation of sweet potato with improved varieties with ridge and furrow method. Provide adequate drainage in ginger, turmeric and yam fields.

## West Bengal

- In Gangetic West Bengal, complete the transplanting of Aman wet seeded paddy within the first week of August. In Coastal Saline Zone, if main field is flooded, arrange for drainage facilities to remove excess water, wait for 2-3 days till the water is drained out and then start transplanting.

## Maharashtra

- As rain/thundershowers likely at most places over Konkan & Goa during the period, along with heavy rain at isolated places during next 4 days, avoid intercultural operation and application of plant protection measures and fertilizers to the standing crops. Apply plant protection measures and fertilizers to the standing crops in Madhya Maharashtra and Vidarbha on a non-rainy day.
- In Konkan, maintain water level of 5 cm by bunding rice field.
- In Madhya Maharashtra, maintain 2-3 cm water level in rice fields. Apply protective irrigation to standing crops as per requirement in Pune and Solapur districts. Continue intercultural operation like weeding in transplanted rice, nagli and groundnut. Due to moisture stress condition in cotton, spray 2% urea or 1% potassium nitrate in Dhule, Nandurbar and Ahmednagar districts.
- In Marathwada, undertake intercultural operation like weeding in cotton. To control pink bollworm spray Profenofos 50 % @ 20 ml or Profenofos 40 % + Cypermethrin 4% @ 20 ml per 10 liter of water. Collect and destroy Rosette flowers on the plant. Use 25 pheromone traps per hectare.
- To control leaf roller in pigeonpea, collect and destroy infected plant parts then Spray 5 % Neem cake extract. If yellowing of leaves is observed in the crop, spray water soluble 19:19:19 @ 50 g per 10 liter of water or spray 2 % Urea.
- In West Vidarbha, undertake intercultural operations (hand weeding) in soybean. Opening of conservation furrows is advisable 30 days old soybean crop at an interval of 3 rows. 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, Maintain 2-3 cm water level in rice fields. Undertake intercultural operation like weeding in pigeon pea.