

Advisory for DD Kisan dated 14.09.18

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

Significant Weather Features

- The monsoon trough continues to run close to foothills of the Himalayas. The eastern end is likely to shift southwards during next 48 hours.
- The western disturbance associated intense weather is likely to continue over Western Himalayan region during next 48 hours and abate thereafter. Thunderstorms, hailstorms and isolated heavy precipitation are likely over Jammu & Kashmir, Himachal Pradesh and Uttarakhand during next 24 hours.
- Downstream convergence of westerly winds and presence of an east-west trough is likely to cause fairly widespread to widespread rainfall with isolated heavy to very heavy falls over Assam & Meghalaya and Sub-Himalayan West Bengal during next 48 hours.
- Subdued rainfall activity is likely over the rest of the country during next 5 days, outside Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura, where fairly widespread rainfall with isolated heavy falls are likely on 17th and 18th September. Dry weather is likely to prevail over Rajasthan during 14th-20th September, Madhya Pradesh on 17th & 18th September and over Uttar Pradesh & Haryana, Chandigarh & Delhi during 16th-20th September.
- A low pressure area is likely to form over westcentral and adjoining northwest Bay of Bengal around 18th September. Strengthening of winds prior to this development may happen over Andaman Sea, eastcentral and south Bay of Bengal from 16th September. In view of the likely adverse Sea conditions, Fishermen are advised not to venture into these areas on 16th- 18th September and also plan based on the further updates in this Regard.
- Heavy to very heavy rain occurred at isolated places over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Uttarakhand & Himachal Pradesh and isolated heavy rains over Arunachal Pradesh and Tamilnadu from 0830 hrs IST of yesterday to 0830 hrs IST of today.

Realised Rainfall

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

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

5 Day Rainfall Forecast (Mid-day) 14th September 2018

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

% 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 September (Day 1):** Heavy to very heavy rain at isolated places very likely over Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim and heavy rain at isolated places over Arunachal Pradesh, Uttarakhand, Himachal Pradesh, Jammu & Kashmir and Tamilnadu. Thunderstorm accompanied with hailstorm and lightning very likely at isolated places over Uttarakhand, Himachal Pradesh, Jammu & Kashmir and thunderstorm accompanied with lightning over Tamilnadu and south Rayalaseema. Rough to very rough sea conditions are likely over northwest Arabian Sea. Fishermen are advised not to venture into this area.
- **15 September (Day 2):** Heavy rain at isolated places very likely over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim and Tamilnadu.
- **16 September (Day 3):** Heavy rain at isolated places very likely over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu. Rough to very rough sea conditions are likely over Andaman Sea, East-central & South Bay of Bengal. Fishermen are advised not to venture into these areas.

- **17 September (Day 4):** Heavy to very heavy rain at isolated places likely over Andaman & Nicobar Islands and heavy rain at isolated places over Odisha, Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh.
Rough to very rough sea conditions are likely over Andaman Sea, East-central & South Bay of Bengal. Fishermen are advised not to venture into these areas.
- **18 September (Day 5):** Heavy to very heavy rain at isolated places likely over Andaman & Nicobar Islands, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over Coastal Andhra Pradesh.
Rough to very rough sea conditions are likely over Andaman Sea, East-central & South Bay of Bengal. Fishermen are advised not to venture into these areas.

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

State-wise Advisories

Jammu and Kashmir

- Maintain water level of 3-5cm in rice at flowering stage. Continue nursery sowing of cole crops and nursery sowing of rabi vegetables. Undertake harvesting of matured rice crop, green cobs of maize and matured sunflower in clear weather.
- To control the attack of sheath blight in rice crop, spray Carbendazim @ 0.1% after current spells of rain.

Uttarakhand

- Undertake sowing of toria. Continue sowing of pea, radish, cabbage, broccoli and turnip. Maintain sufficient water level in rice field at ear head emergence stage.

Assam, Manipur & Tripura:

- In Assam, complete sowing black gram and green gram after current spells of heavy rain. In already sown pulse crops, measures should be taken to remove excess water from the fields. Provide mechanical support to sugarcane crop. Mid-September to mid- October is the optimum time for sowing of Rabi Maize. In flood affected areas of Upper Brahmaputra Valley Zone, where the rice crop was totally damaged, farmers may collect seeds of very short duration varieties such as Luit, Kapilee and Dichang for direct sowing under fair weather conditions.
- In Manipur, maintain 5 cm water level in rice field. Provide drainage in ginger and turmeric crops.
- In Tripura, undertake harvesting of Aus rice and keep it under shed. Carry out land preparation for sowing of sesamum, black gram and green gram after current spells of heavy rain.

Punjab, Haryana & New Delhi

- In Punjab, undertake planting of early varieties of potato and pea. Apply irrigation in rice, cotton, maize and vegetables as per requirement.
- In Haryana, maintain 5-6 cm standing water upto maximum tillering stage in rice fields.
- In Delhi, undertake field preparation for sowing of early pea and early mustard.

Jharkhand

- Undertake harvesting of matured green gram/black gram. Undertake field preparation to cultivate Toria after harvesting of green gram/black gram.
- Continue sowing of Niger in fallow uplands (variety of Niger are Birsa niger-1, Birsa niger-2, Birsa niger-3, Pooja-1).
- To control Tikka disease in groundnut, apply Endofil M-45 (4g)+ Bavistin 1g in 4 litres of water.

West Bengal

- In the Sub-Himalayan West Bengal, provide proper drainage facility in large cardamom, soybean, ginger and turmeric fields.
- In Sub-Himalayan West Bengal, to control brown spot of rice, spray Hexaconazole @ 1ml/litre of water. For white fly and jassid apply Acetamiprid 20% SP@1g/3lit or Thiomithoxam 0.3 SG @1g/3litres of water
- In Gangetic West Bengal, for stem borer attack in Aman paddy, broadcast Cartap 4% granules or Carbofuran 3% G @ 10 kg/acre or Chlorpyrifos 20 EC @ 2 ml/ litre of water for effective control.

Rajasthan

- In Semi Arid Eastern Plain Zone, continue field preparation for sowing of rainfed Taramira, Mustard and Pea. (Pea varieties: Arkil, Hara bona, VL-3, Jawahar Matar-4, Matar Ageti-6). Undertake plucking of matured pods of pulse crops like green gram, moth bean and cowpea.

Gujarat

- In South Gujarat, complete sowing of pigeon pea, green gram and black gram crops, where crop was damaged due to water logging condition. Continue sowing of cucumber.
- In Saurashtra & Kutch, apply irrigation in groundnut (pegging stage to pod development stage) and vegetable crops. Continue picking of ripen pods of cow pea and green gram in time.
- In North Saurashtra, to control Thrips in cotton, spray Profenfos @ 20 ml or or Ethion @ 20 ml + Imidacloprid 30.5 % @ 3 ml with neem seed extract 500 ml or neem oil 40 ml/10 litres of water.

Maharashtra

- In Konkan, maintain water level of 5-10 cm in rice field, to control blast disease in rice, spray Tricyclazole @ 10 g or Isoprothiolane @10 ml per 10 litres of water.
- In Madhya Maharashtra, apply protective irrigation in kharif crops under water stress conditions. In groundnut to control tikka and rust disease, spray Mancozeb 25 gm + Carbendazim 10 gm per 10 litre of water. Maintain 5-10 cm water level in rice fields. Undertake harvesting of matured black gram and green gram. Undertake land preparation for sowing of rabi jowar. Undertake sowing of rabi (rangada) onion (varieties : Baswant 780, Phule Samarth and N-2-4-1).
- In **Marathwada**, apply protective irrigation in soybean, sorghum and turmeric. Apply irrigation in soybean with help of sprinkler.
- In **West Vidarbha**, due to prevailing subdued rainfall activity, wherever possible give protective irrigation during morning/evening hours to avoid moisture stress in cotton and soyabean crop particularly in rain deficient areas. If irrigation is not possible, undertake foliar spray of 1% KNO₃ or 1.5% sulphate of potash to minimize water stress condition in cotton and soyabean crops.

- In East Vidarbha, to control Stem borer infestation in rice, spray Acephate 75% WP 20 gm or Quinalphos 32 ml in 10 liter of water.

Kerala

- In Northern Zone, Viruppu rice is ready for harvesting. Drain the field 10 days before harvesting. Start field preparations for second rice crop nursery.

Andhra Pradesh

- In Coastal Andhra Pradesh, to control leaf folder in rice crop, spray Propiconazole @ 1.0 ml or Hexaconazole @ 2.0 ml per litre of water for sheath blight and Acephate @ 1.5 g or Cartap hydrochloride @ 2.0 g per litre of water for. Spray Dimethoate @ 1.7 ml per litre of water for sucking pest in cotton crop.
- In Scarce Rainfall Zone of Rayalaseema, in cotton, to control sucking pest incidence, spray 0.4ml/litre of Imidachloprid (or) 0.2 g of Acetamiprid (or) 1.5g of Acephate (or) 1.6ml Monochrotophos.

Tamil Nadu

- Medium duration rice varieties can be sown in the prepared nursery. In the absence of wet nursery, direct dry seeding of medium duration rice can be done with the sufficient rain for Samba season. Provide propping for early season and midseason plated canes against lodging with heavy wind anticipated. Also, protect banana crop against lodging by giving support.

Karnataka

- In South Interior Karnataka, provide protective irrigation to standing crops as per requirement. Complete sowing of short duration crops like cowpea (vegetable purpose), field bean, horse gram, Foxtail millet, Little millet, Kodo millet and ragi crops.
- In North Interior Karnataka, complete the harvesting of green gram. In medium black to deep black soils, undertake sowing of sunflower and rabi sorghum crops.