

Advisory for DD Kisan dated 05.02.19
(Agromet Advisories mentioned in the inputs are prepared
by different Agromet Field Units in the country)

Significant Weather Features

- The intense Western Disturbance which is approaching the Indian region now lies over Afghanistan and neighbourhood. Under its influence, an induced cyclonic circulation has formed over West Rajasthan. This would move over to Punjab & adjoining Haryana by 8th. In association with this system, there would be high moisture feeding from Arabian Sea over northwest India specifically over Western Himalayan Region (WHR) (Jammu & Kashmir, Himachal Pradesh and Uttarakhand) mainly during 6th to 8th February, 2019. Strong wind convergence at mid & upper tropospheric levels over WHR and wind confluence at lower levels over plains of northwest India would also occur during the same period.
- Widespread rain/snow with isolated heavy to very heavy falls are very likely over Jammu & Kashmir and Himachal Pradesh on 6th & 7th February and over Uttarakhand on 7th February. Widespread rainfall with isolated heavy falls are also likely over the northern parts of Punjab, Haryana, Chandigarh and West Uttar Pradesh on 7th February. Thunderstorms accompanied with hailstorms at isolated places are likely over western Himalayan region, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and north Rajasthan during 5th to 7th; over North Madhya Pradesh on 7th; north Chhattisgarh and Jharkhand, on 8th; Bihar on 7th & 8th and Sub-Himalayan West Bengal & Sikkim ,on 8th and 9th and over Assam & Meghalaya and Arunachal Pradesh on 9th February

Realised Rainfall

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

- Rain/thundershowers observed (from 0830 hrs IST of yesterday to 0830 IST of today): Rain/Snow occurred at isolated places over Jammu & Kashmir.
- Rain/thundershowers observed at isolated places over Tamilnadu & Puducherry.

5 Day Rainfall Forecast (Mid-day) 5th February 2019

Met-Sub-Division	05-Feb Today	06Feb Wed	07Feb Thu	08Feb Fri	09Feb Sat
1. Andaman & Nicobar Islands	ISOL	ISOL	DRY	DRY	ISOL
2. Arunachal Pradesh	DRY	DRY	ISOL	SCT	FWS
3. Assam & Meghalaya	DRY	DRY	DRY	ISOL	FWS
4. N. M. M. & T.	DRY	DRY	DRY	DRY	SCT
5. S.H. West Bengal & Sikkim	DRY	DRY	ISOL	SCT	FWS
6. Gangetic West Bengal	DRY	DRY	DRY	ISOL	SCT
7. Odisha	DRY	DRY	DRY	ISOL	ISOL
8. Jharkhand	DRY	DRY	ISOL	FWS	SCT
9. Bihar	DRY	DRY	ISOL	FWS	SCT
10. East Uttar Pradesh	DRY	SCT	FWS	SCT	DRY
11. West Uttar Pradesh	DRY	FWS	WS	ISOL	DRY
12. Uttarakhand	ISOL	WS	WS	FWS	ISOL
13. Haryana, Chd & Delhi	ISOL	WS	WS	ISOL	DRY
14. Punjab	SCT	WS	WS	ISOL	DRY
15. Himachal Pradesh	FWS	WS	WS	SCT	DRY
16. Jammu & Kashmir	WS	WS	WS	SCT	DRY
17. West Rajsthan	ISOL	ISOL	SCT	DRY	DRY
18. East Rajasthan	ISOL	ISOL	SCT	DRY	DRY
19. West Madhya Pradesh	ISOL	ISOL	ISOL	DRY	DRY
20. East Madhya Pradesh	DRY	ISOL	SCT	ISOL	DRY
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	DRY	DRY	DRY	DRY	DRY
24. Madhya Maharashtra	DRY	DRY	DRY	DRY	DRY
25. Marathawada	DRY	DRY	DRY	DRY	DRY
26. Vidharbha	DRY	ISOL	ISOL	DRY	DRY
27. Chhattisgarh	DRY	DRY	ISOL	SCT	ISOL
28. Coastal Andhra Pradesh	DRY	DRY	DRY	DRY	DRY
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	ISOL	DRY	DRY	DRY	DRY
32. Coastal Karnataka	DRY	DRY	DRY	DRY	DRY
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	DRY	ISOL	DRY	DRY	DRY
35. Kerala	ISOL	ISOL	DRY	DRY	DRY
36. Lakshadweep	ISOL	DRY	DRY	DRY	DRY

% 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

- **05 February (Day 1):** Thunderstorm accompanied with hailstorm at isolated places very likely over Jammu division of Jammu & Kashmir and Himachal Pradesh.
- **06 February (Day 2):** Heavy rain/snow very likely at isolated places over Jammu & Kashmir and Himachal Pradesh.

Thunderstorm accompanied with hailstorm at isolated places very likely over Jammu division of Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, north Rajasthan and Uttar Pradesh.

Strong winds speed reaching 40-50 kmph likely to occur over north Arabian Sea. Fishermen are advised not to venture into this area.

- **07 February (Day 3):** Heavy to very heavy rain/snow very likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand.
Heavy rain/thundershowers at isolated places very likely over Punjab, Haryana, Chandigarh and West Uttar Pradesh.
Thunderstorm accompanied with hailstorm at isolated places likely over Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Bihar, north Rajasthan and north Madhya Pradesh. Strong winds speed reaching 40-50 kmph likely to occur over north Arabian Sea. Fishermen are advised not to venture into this area.
- **08 February (Day 4):** Thunderstorm accompanied with hailstorm at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Bihar, Jharkhand and north Chhattisgarh.
Dense fog at isolated places likely over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and North Rajasthan.
- **09 February (Day 5):** Thunderstorm accompanied with hailstorm at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Arunachal Pradesh.
Dense fog at isolated places likely over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh.

Salient Advisories

Thunderstorm/ hailstorm and advisory

Warning

Thunderstorm accompanied with hailstorm at isolated places very likely over Jammu division of Jammu & Kashmir and Himachal Pradesh during next 2 days over Uttarakhand, Punjab, Haryana, Chandigarh & Delhi on 6th and 7th over north Rajasthan and Uttar Pradesh on 6th over Bihar, north Rajasthan and north Madhya Pradesh on 7th Sub-Himalayan West Bengal & Sikkim on 8th & 9th over Bihar, Jharkhand and north Chhattisgarh on 8th and over , Assam & Meghalaya and Arunachal Pradesh on 9th February..

Advisory

In above regions, use hail net for orchard crops to protect from mechanical damage. Provide support to young fruit plants and staking in vegetables to prevent the crops from lodging due to strong winds. Keep cattle indoor during thunderstorm/ hailstorm period.

Heavy rain/snow

Warning

- Heavy rain/snow very likely at isolated places over Jammu & Kashmir on 6th and heavy to very heavy rain/snow on 7th February.
- Heavy rain/snow very likely at isolated places over Himachal Pradesh on 6th .
- Heavy to very heavy rain/snow very likely at isolated places over Himachal Pradesh and Uttarakhand on 7th .

Heavy rain/thundershowers at isolated places very likely over Punjab, Haryana, Chandigarh and West Uttar Pradesh on 7th.

Advisory

- Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. In Valley Temperate Zone of Kashmir, provide drainage channels in wheat, saffron and vegetable fields wherever there is probability of water/snow accumulation during winter months

Fog and Advisories

Realized

- Dense to very dense fog observed at isolated places over Haryana, Uttar Pradesh and Uttarakhand, Dense fog at isolated places over West Uttar Pradesh;

Warning

- Dense fog at isolated places likely over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and North Rajasthan on 8th and 9th February.

Advisory

- Monitor tomato, potato crop for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

State-wise Advisories

Assam, Manipur, Tripura & Arunachal Pradesh

- In Barak Valley Zone, *Boro rice*, to control stem borer, spray Chlorpyrifos 50 EC @ 1.5 ml per liter of water. Before spray the insecticide, drain out the irrigated water from the plots.
- In Central Brahmaputra Valley Zone of Assam, complete the transplanting of Boro rice, undertake land preparation for Summer Green gram and Black gram
- In Upper Brahmaputra Valley Zone of Assam, in rice to control stem borer, spray Chlorpyrifos 20 EC or Quinalphos 25 EC @70-80 ml per 70-80 litre of water per bigha.

Jammu & Kashmir

- In Sub Tropical Zone and Valley Temperate Zone, provide drainage channels in wheat, saffron and vegetable fields and postpone application of fertilizers and plant protection measures as rainfall is expected in most / many places during next 5 days.
- In Intermediate Zone, in wheat to control yellow rust infestation apply Propiconazole (Tilt) 25 EC @ 0.1 % per litre of water after current spells of rain. In mustard, to control *Alternaria* blight apply Mancozeb @ 2.5 g/liter of water and Ridomil MZ @ 2.5 g/liter of water alternately as curative measure after current spells of rain.

Punjab, Haryana & Delhi

- In Delhi, in wheat, if symptoms of black, brown or yellow rust appear spray crop with Dithane M 45 @ 2.5 grams per litre of water in clear weather.
- In Western Plain Zone, complete sowing of sunflower.
- In Undulating Plain Zone, in wheat crop to control yellow rust apply spot application of Tilt @ 1mL/liter of water.

Maharashtra

- In Konkan, apply irrigation to groundnut, vegetables and orchards
- In Madhya Maharashtra, apply irrigation to standing crops like gram, wheat, orchards and vegetables, For control of pod borer in gram, erect bird perches in the field. Also spray Heliokill @ 500 ml in 500 litre of water per hectare. Continue sowing of summer groundnut, continue harvesting of sorghum.
- In Marathwada continue harvesting of early sown chick pea. To control aphids in late sown rabi sorghum, spray Dimethoate 30 EC @ 200 ml per acre
- In west Vidarbha, apply irrigation to safflower and wheat and gram. Continue sowing of summer groundnut and sesame. Undertake harvesting of early sown matured gram.
- In East Vidarbha, continue sowing of summer groundnut and sesame. Continue transplanting of 22-25 days old summer rice seedlings. To control aphids in wheat, spray Thiamethoxam 25 WG @ 50 g or Diamethoate 30 EC @ 750 ml / ha in 500 litres of water.

Telangana

In South Telangana Zone, Prevailing weather conditions are congenial for the incidence of stem borer in rice, to control, spray Cartap Hydrochloride @ 2 g or Chlorantriliprole @ 0.4 ml per litre of water. Prevailing low temperature and fog weather is congenial for the incidence of Blast disease in rice, to control, spray Tricyclazole @ 0.6 g or Isoprothiolane @ 1.5 ml or Kasugamycin @2.5 ml per litre of water twice in 10-15 days interval. In maize, to control shoot borer, spray Chlorpyriphos @ 2.0 ml or Acephate @ 1.5 g per litre of water at 10-15 days after sowing.

- In Northern Telangana Zone, in sorghum prevailing weather conditions are congenial for grain mold to control spray propiconazole @ 1 ml per liter of water. In Groundnut, prevailing weather conditions are congenial for *Tikka* leafspot, to control spray with Hexaconazol @2ml. or Carbendazim @1 g. per litre of water.