

Advisory for DD Kisan dated 29.01.19
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- A fresh western disturbance is likely to cause fairly widespread to widespread rain/snow over Western Himalayan region on 30th & 31st January and isolated to scattered rain/thundershowers over plains of northwest India during 30th January-1st February. Isolated hailstorm/ thunderstorms are also likely over Western Himalayan Region and adjoining plains of northwest India on 30th/31st January.
- Cold wave to severe cold wave conditions are prevailing in many parts over Madhya Pradesh; in some parts over Vidarbha and at isolated pockets over Punjab and East Rajasthan; Cold wave conditions are also prevailing in some parts over Haryana and at isolated pockets over West Rajasthan. This is likely to continue in some parts of northwest and central India for one more day and abate thereafter, in view of the likely changes in the wind pattern, humidity and cloud cover.
- Yesterday cold day conditions also continued in parts of central & adjoining northwest India, though its severity and spatial extent had reduced over northwest India. Cold winds are likely to be replaced by warm winds over the western parts of the country from today. However it is likely to take one more day for a similar change to happen over central India. Hence cold day conditions are likely to continue over Madhya Pradesh & Vidarbha during next 2 days.

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 hrs IST of today): Rain/thundershowers occurred at many places over Rayalseema; at a few places over Sub-Himalayan West Bengal & Sikkim and Coastal Andhra Pradesh; at isolated places over Chhattisgarh, Gangetic West Bengal. Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana, South Interior Karnataka and Tamilnadu & Puducherry.
- Heavy rainfall observed at isolated places over Tamilnadu & Puducherry.

5 Day Rainfall Forecast (Mid-day) 29th January 2019

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

- 29 January (Day 1):** Cold wave conditions in some parts with severe cold wave at isolated pockets very likely over Punjab, Madhya Pradesh and Vidarbha; Cold wave conditions in some parts over East Rajasthan and at isolated pockets over Haryana, Chandigarh & Delhi, West Uttar Pradesh, Chhattisgarh, Bihar, Madhya Maharashtra and Marathwada.
 Ground frost conditions very likely at isolated places over Punjab, East Rajasthan and Madhya Pradesh.
 Cold day conditions in some parts very likely over Madhya Pradesh & Vidarbha and at isolated pockets over Uttar Pradesh.
 Dense fog very likely over at isolated places over north Coastal Andhra Pradesh
 Thunderstorm accompanied with hailstorm very likely over Assam & Meghalaya.
 Strong wind speed reaching 35-45 kmph likely along & off south Tamilnadu coast, Gulf of Mannar and Comorin area. Fishermen are advised not to venture into these areas.
- 30 January (Day 2):** Cold wave conditions at isolated pockets very likely over Madhya Pradesh,

Vidarbha and Odisha.

Cold day conditions at isolated pockets very likely over Madhya Pradesh and Vidarbha.

Thunderstorm accompanied with hailstorm very likely over Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana and West Rajasthan.

Strong wind speed reaching 35-45 kmph likely along & off south Tamilnadu coast, Gulf of Mannar and Comorin area. Fishermen are advised not to venture into these areas.

- **31 January (Day 3):** Thunderstorm accompanied with hailstorm very likely over Uttarakhand. Dense fog very likely over at isolated places over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh.
- **01 February (Day 4):** Dense fog very likely over at isolated places over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh.
- **02 February (Day 5):** Dense fog very likely over at isolated places over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh.
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Salient Advisories

Cold wave and ground frost and Advisories

Warning

- Cold wave conditions in some parts with severe cold wave at isolated pockets very likely over Punjab, Madhya Pradesh and Vidarbha; Cold wave conditions in some parts over East Rajasthan and at isolated pockets over Haryana, Chandigarh & Delhi, West Uttar Pradesh, Chhattisgarh, Bihar, Madhya Maharashtra and Marathwada. Ground frost conditions very likely at isolated places over Punjab, East Rajasthan and Madhya Pradesh during next 24 hours and Cold wave conditions at isolated pockets very likely over Madhya Pradesh, Vidarbha and Odisha on 30th.

Advisory

- Apply light and frequent irrigation/sprinkler irrigation in the evening to protect the crops from cold injury. To protect young fruit plants from cold winds, cover young fruit plants with straw/polythene sheets/gunny bags in above regions.

Thunderstorm / Hail storm and Advisories

Warning

Thunderstorm accompanied with hailstorm very likely over Assam & Meghalaya during next 24 hours, over Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana and West Rajasthan on 30th and over Uttarakhand on 31st January.

Advisory

- 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.

Fog and Advisories

Realized

- Dense fog observed at isolated places over Chhattisgarh & South Interior Karnataka and Rayalaseema; moderate fog at isolated places over Punjab, Delhi, East Uttar Pradesh and Assam at 0830 hours IST of today.

Forecast

- Shallow to moderate fog very likely at isolated places in the morning hours over Rayalaseema and East India during next 24 hours and over northeastern states from 30th January to 02nd February.

Advisory

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

State-wise Advisories

Assam, Manipur, Mizoram & Arunachal Pradesh

- In Central Bramhaputra Valley Zone, undertake transplanting of *boro* rice
- In Nagaland undertake harvesting of mustard and complete harvesting of Toria.
- In Upper Bramhaputra Valley Zone of Assam, undertake planting of sugarcane, ridge guard and sponge guard with assured irrigation.

Jammu & Kashmir

- Provide drainage channels to drain out excess water from the fields and postpone application of fertilizers and plant protection measures as rainfall is expected in most of the places on 30th and 31st January
- In Sub Tropical Zone, to control, *Alternaria* blight in mustard, spray Mancozeb @ 2.5 g/litre of water and Ridomil MZ @ 2.5 g/litre of water alternately after current spells of rain.
- In Intermediate Zone, in wheat to control yellow rust infestation apply Propiconazole (Tilt) 25 EC @ 0.1 % (1ml/litre of water). Due to rainfall in past few days there may be chance of soft rot/root rot in pulse crops, if observed 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.

Gujarat

- In South Gujarat, continue nursery sowing of summer rice and planting of sugarcane crop
- In North Gujarat zone, in potato, fennel and cumin to control aphid spray Mencozeb (0.25%) @ 30gm + 20 ml *desi* soap solution in 10 litres of water.

Jharkhand

- Remove upper leaves/parts (Dehaulming) of early and medium duration of potato crop before 7-10 days of harvest.

Madhya Pradesh

- Due to continuous low temperatures protect the rabi crops like wheat, chick pea , mustard and vegetables by giving light irrigation by sprinkler at night or spray Thiourea @0.5gm/liter or soluble/ wetable sulphur 3gms/litre at 15 day interval and monitor for attack of pest and disease on gram and mustard, if noticed undertake plant protection measures.

Rajasthan

- In Sub Humid Southern Plain and Aravali Hill Zone to protect the standing rabi crops like wheat, mustard , gram from ground frost, give irrigation during night. Spray 0.1% H₂SO₄ on cash crops.
- In Flood Prone Eastern Plain Zone, due to prevailing cool and humid weather black spot may attack in mustard crop in some pockets, to control destroy the infected plants and spray Iprodione or Mencozeb @2Kg/ 800 litre solution.

Maharashtra

- In Madhya Maharashtra continue sowing of summer groundnut, planting of sugarcane.
- In Marathwada continue sowing of summer groundnut.
- In Vidarbha, undertake sowing of summer groundnut, sunflower and sesamum after subsidence of cold wave. Undertake harvesting of chickpea.

Odisha

- In Western Undulating Zone, undertake harvesting of arhar and summer rice.

Karnataka

- In Eastern Dry Zone undertake harvesting of ragi.

Telangana

- Undertake land preparation and sowing of summer black gram, green gram and sesamum under irrigated condition utilizing the realized rainfall.

Uttar Pradesh

- Due to foggy weather/ frosty weather condition late blight may occur in potato crop, spray Indofil -M-45 @500-700gm /acre at weekly interval.

West Bengal

- In Terai Zone undertake transplanting of *boro* rice in mainfield and sowing of sunflower.