

Advisory for DD Kisan dated 24.12.18
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- The feeble western disturbance as a cyclonic circulation at 3.1 km above mean sea level lies over northeast Afghanistan and adjoining Pakistan with trough aloft roughly along Long. 65°E to the north of Lat. 34°N at 5.8 km above mean sea level. The present western disturbance is not likely to cause weather over western Himalayan region. However, due to increase in moisture over parts of northwest India shallow to moderate fog with isolated dense fog likely over some parts of northwest India during next 24 hours. No significant likely in minimum temperatures over northwest and central & west India during next 24 hours and fall by 2-3° C over many parts of northwest, central & west India, the cold wave conditions likely to expand over some parts of Rajasthan, Gujarat, north Maharashtra and Madhya Pradesh from 26th December onwards.
- Cold wave conditions observed at isolated places over Punjab, Haryana, West Uttar Pradesh and East Madhya Pradesh.
- Dense to very dense fog observed at isolated places over Punjab and West Rajasthan; moderate fog at isolated places over Haryana, Chandigarh & Delhi and West Uttar Pradesh in the morning hours.

Realised Rainfall

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

- Rainfall observed (from 0830 hours IST yesterday to 0830 hours IST of today): Rain occurred at a few places over Tamilnadu & Puducherry; and at isolated places over Lakshadweep and Andaman & Nicobar Islands.

5 Day Rainfall Forecast (Mid-day) 24th December 2018

Met-Sub-Division	24-Dec Today	25Dec Tue	26Dec Wed	27Dec Thu	28Dec Fri
1. Andaman & Nicobar Islands	ISOL	ISOL	ISOL	DRY	DRY
2. Arunachal Pradesh	DRY	DRY	DRY	DRY	ISOL
3. Assam & Meghalaya	DRY	DRY	DRY	DRY	DRY
4. N. M. M. & T.	DRY	DRY	DRY	DRY	DRY
5. S.H. West Bengal & Sikkim	DRY	DRY	DRY	DRY	DRY
6. Gangetic West Bengal	DRY	DRY	DRY	DRY	DRY
7. Odisha	DRY	DRY	DRY	ISOL	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	DRY	DRY	DRY
12. Uttarakhand	DRY	DRY	DRY	ISOL	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	DRY	DRY	DRY	ISOL	DRY
16. Jammu & Kashmir	DRY	DRY	ISOL	DRY	DRY
17. West Rajasthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	DRY	DRY	DRY	DRY	DRY
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	DRY	DRY	DRY	DRY	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	DRY	DRY	DRY	DRY
27. Chhattisgarh	DRY	DRY	DRY	DRY	DRY
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	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	ISOL	DRY	DRY	DRY	DRY
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	ISOL	DRY	DRY	DRY	DRY
35. Kerala	SCT	ISOL	ISOL	ISOL	ISOL
36. Lakshadweep	SCT	ISOL	ISOL	ISOL	ISOL

% 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

- **24 December (Day 1):** Cold wave conditions at isolated places very likely over Punjab, Haryana, Uttar Pradesh, East Madhya Pradesh, Bihar, Jharkhand and Odisha.
Ground frost conditions at isolated places very likely over Punjab, Haryana and Uttar Pradesh.
Dense fog at isolated places very likely over Punjab, Haryana, West Uttar Pradesh and north Rajasthan.
- **25 December (Day 2):** Cold wave conditions at a few places very likely over Punjab, Haryana and Uttar Pradesh and at isolated places over West Rajasthan, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Bihar, Jharkhand, Odisha, Saurashtra & Kutch, Gujarat region and north Madhya Maharashtra.
Ground frost conditions at isolated places likely over Punjab, Haryana, Uttar Pradesh and north Rajasthan.
- **26 December (Day 3):** Cold wave conditions at a few places very likely over Punjab, Haryana and Uttar Pradesh, West Rajasthan & East Rajasthan and at isolated places over East Madhya Pradesh, West Madhya Pradesh, Saurashtra & Kutch, Gujarat region and north Madhya Maharashtra.
Ground frost conditions at isolated places likely over Punjab, Haryana, Uttar Pradesh and north Rajasthan.
- **27 December (Day 4):** Cold wave conditions at a few places very likely over Punjab, Haryana and Uttar Pradesh, West Rajasthan & East Rajasthan and at isolated places over East Madhya Pradesh, West Madhya Pradesh, Saurashtra & Kutch, Gujarat region and north Madhya Maharashtra.
Ground frost conditions at isolated places very likely over Punjab, Haryana, Uttar Pradesh and north Rajasthan.
- **28 December (Day 5):** Cold wave conditions at isolated places very likely over Punjab, Haryana, West Uttar Pradesh, East Uttar Pradesh, West Rajasthan & East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Saurashtra & Kutch, Gujarat region and north Madhya Maharashtra.
Ground frost conditions at isolated places very likely over Punjab, Haryana, Uttar Pradesh and north Rajasthan.

Salient Advisories

Cold wave conditions and Advisory

Warning

- Cold wave conditions at a few/isolated places very likely over Punjab, Haryana, Uttar Pradesh, Bihar, Jharkhand, Odisha, Rajasthan, Madhya Pradesh, Gujarat State and north Madhya Maharashtra during next five days.

Advisory

- In view of expected cold wave conditions/ ground frost in above regions, 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.

Fog and Advisories

Realised

- Dense to very dense fog observed at isolated places over Punjab and West Rajasthan; moderate fog at isolated places over Haryana, Chandigarh & Delhi and West Uttar Pradesh in the morning hours.

Forecast

- Shallow to moderate fog very likely at isolated places in morning hours over northeastern states next 5 days.

Warning

- Dense fog at isolated places very likely over Punjab, Haryana, West Uttar Pradesh and north Rajasthan during next 24 hours.

Advisory

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

State-wise Advisories

Assam Meghalaya and Tripura

- In Assam, continue sowing of wheat, continue harvesting of Sali rice and nursery bed preparation/sowing of Boro rice. Undertake transplanting of the Boro rice seedlings in the main field, which have attained 5-6 leaf stage.
- In Assam, in rapeseed–mustard, to control saw fly and aphids spray Dimethoate 30 EC or Ragor @ 2 ml per litre of water.
- In Meghalaya, continue harvesting of kharif rice.
- In Tripura complete sowing of rabi legumes like toria, sesame, lentil and planting of potato. In potato, to control blight disease attack apply combination of Metalaxyl and Mancozeb @ 1-2 g per litre of water as prophylactic measure or Cymoxanil @ 2 g per litre of water.

Jammu & Kashmir

- In Sub Tropical Zone, continue sowing of late sown wheat crop.
- In Intermediate Zone, in mustard, to control alternaria blight, apply Mancozeb @ 2.5 g/litre of water and Ridomil MZ @ 2.5 g/litre of water.

Uttarakhand

- In Sub-Humid Sub-Tropic Zone, give light irrigation to wheat crop at CRI stage. Complete sowing of wheat after harvesting of ratoon crop of sugarcane at the earliest.
- To control blight in potato and tomato crops, spray Carbandizam @ 1.0 g/litre of water or Dithane-M-45 @ 2.0 gm / litre of water.

Himachal Pradesh

- In Mid Hills Sub-Humid Zone, apply light irrigation in the evening and cover the young plants with gunny bags, straw etc. to protect the crops and vegetables from frost.

Rajasthan

- In Semi Arid Eastern Plain Zone, continue sowing of late sown wheat.
- In Sub Humid Southern Plain and Aravali Hill Zone, there are chances of frost, apply irrigation in field crop and fruits orchards.
- In Arid Western Plain Zone, apply irrigation in standing rabi crops.
- In Flood Prone Eastern Plain Zone, in mustard, to control Sawfly spray Malathion 50 EC @ 1 ml/litre of water.

Gujarat

- In Gujarat, continue picking of matured cotton bolls.
- In Middle Gujarat, apply irrigation in potato, pigeon pea and wheat (at CRI stage) crops
- In South Gujarat, apply irrigation in wheat crop at CRI stage. Continue land preparation for planting of sugarcane crop.

Madhya Pradesh

- In East Madhya Pradesh, apply irrigation in gram and wheat (at CRI stage).
- In West Madhya Pradesh, continue sowing of late varieties of wheat. Apply irrigation in vegetables, gram, mustard and in wheat at CRI stage.

Chhattisgarh

- In Bastar Plateau Zone, continue field preparation for planting of *rabi* colocasia and bunda. Apply irrigation in wheat at CRI stage.

West Bengal

- In Sub-Himalayan West Bengal, continue land preparation/sowing for mustard. Undertake nursery preparation for Boro rice.
- In Gangetic West Bengal, continue nursery sowing of *Boro* rice. Apply irrigation in fruit orchards.

Maharashtra

- In Konkan region, in *rabi* rice, maintain water level 2-3 cm for first 8-10 days and then increase the level up to 5 cm. Apply light irrigation to groundnut three days after sowing and also undertake gap filling. Apply irrigation to sunflower and mustard.
- In Madhya Maharashtra region, apply irrigation to wheat, gram, vegetables and orchards. Apply irrigation to 18 to 21 days old wheat crop.
- In Marathwada, continue picking of cotton, continue harvesting and threshing of mature pigeon pea crop. Apply irrigation to *rabi* sorghum and orchards like banana and grapes.
- In West Vidarbha, continue picking of cotton. In East Vidarbha, Undertake nursery sowing of summer rice.

Andhra Pradesh

- In Southern Zone, continue sowing of groundnut.
- In Rayalaseema, in groundnut to control sucking pests, spray Monochrotophos @ 1.6 ml/litre or Imidacloprid 0.3ml/litre or Dimethoate @ 2 ml/litre.

Tamil Nadu

- In Western Zone, complete harvesting of millets and early samba rice in clear weather.