

Advisory for DD Kisan dated 21.12.18
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- A fresh feeble western disturbance likely to affect western Himalayan region from 23rd onwards.
- Anti cyclone over Rajasthan & neighbourhood is weakening. Under this scenario, minimum temperatures very likely to prevail below normal by 2-3°C over many parts of plains of northwest, west, central and east India during next 2-3 days. The prevailing cold wave conditions likely to abate from some parts of central and west India during next 24 hours.
- Due to approaching trough of low at mean sea level towards southern peninsular India, rainfall activity very likely to increase over the region during 3 days with isolated heavy fall over south coastal Tamilnadu during next 48 hours.
- Dense to very dense fog observed at isolated places over Uttrakhand, Odisha, Tripura and Bihar in the morning hours of today.

Realised Rainfall

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

- Rain occurred at a few places over Andaman & Nicobar and at isolated places over Tamilnadu Puducherry and Lakshadweep.

5 Day Rainfall Forecast (Mid-day) 21st December 2018

Met-Sub-Division	21-Dec Today	22Dec Sat	23Dec Sun	24Dec Mon	25Dec Tue
1. Andaman & Nicobar Islands	SCT	ISOL	ISOL	ISOL	ISOL
2. Arunachal Pradesh	DRY	DRY	DRY	DRY	DRY
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	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	DRY	DRY	DRY
12. Uttarakhand	DRY	DRY	DRY	DRY	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	DRY	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	DRY	DRY	DRY	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	ISOL	ISOL	DRY	DRY
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	ISOL	DRY	DRY
31. Tamilnadu & Puducherry	SCT	SCT	SCT	ISOL	ISOL
32. Coastal Karnataka	DRY	DRY	ISOL	ISOL	ISOL
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	DRY	ISOL	ISOL	ISOL	DRY
35. Kerala	ISOL	ISOL	SCT	SCT	ISOL
36. Lakshadweep	ISOL	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

- 21 December (Day 1):** Heavy rainfall likely at isolated places over Tamilnadu & Puducherry. Dense fog at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Cold wave conditions at a few places with severe cold wave at isolated places very likely over Punjab and Rajasthan. Cold wave condition at isolated places very likely over Haryana, West Uttar Pradesh and Saurashtra & Kutch.
- 22 December (Day 2):** Heavy rainfall likely at isolated places over Tamilnadu & Puducherry. Dense fog at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Cold wave conditions at isolated places very likely over Punjab and Rajasthan.

- **23 December (Day 3):** Dense fog at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **24 December (Day 4):** Dense fog at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **25 December (Day 5):** Dense fog at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

Salient Advisories

Cold wave conditions and Advisory

Warning

Cold wave conditions at a few places with severe cold wave at isolated places very likely over Punjab and Rajasthan during next 24 hours, Cold wave condition at isolated places very likely over Haryana, West Uttar Pradesh and Saurashtra & Kutch during next 24 hours and Cold wave conditions at isolated places very likely over Punjab and Rajasthan on 22nd December.

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 Utrakhand, Odisha, Tripura and Bihar in the morning hours of today.

Forecast

- Shallow to moderate fog very likely at isolated places in morning hours over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Bihar, Chhattisgarh, Jharkhand, West Bengal and Odisha during next 3-4 days.

Warning

- Dense fog at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 23rd, 24th and 25th December.

Advisory

- Monitor the tomato 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 clear weather condition.
- 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 as and when required and as per critical growth stages.
- 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

- As shallow to moderate fog very likely at isolated places in morning hours over Chhattisgarh during next 3-4 days, monitor the standing crops for incidence and spread of pest diseases, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.
- 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, continue preparatory tillage operations for *rabi* groundnut. Apply protective irrigation to *rabi* rice nursery orchards and vegetables.
- In Madhya Maharashtra region, apply irrigation to 18 to 21 days old wheat crop, vegetables and orchards, In Nashik and Ahmednagar district, as minimum temperature is likely to be around 8-10°C during next 3-5 days, apply protective irrigation to standing crops, orchards (in Nashik) and banana plantation (in Ahmednagar, Dhule, Nandurbar districts) during evening hours.
- In Marathwada, continue picking of cotton, continue harvesting and threshing of mature pigeonpea crop.
- In West Vidarbha, continue picking of cotton. In East Vidarbha, Undertake nursery sowing of summer rice

Andhra Pradesh

- In North Coastal Zone and Krishna Godavari Zone, drain out excess water from field.
- In Southern Zone, drain out excess water from rice fields. Undertake 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

- As heavy rainfall likely at isolated places over Tamilnadu & Puducherry on 21st and 22nd December, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops.
- In Western Zone, complete harvesting of millets and early samba rice in clear weather.