

Advisory for DD Kisan dated 18.01.19
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- An intense western disturbance along with induced cyclonic circulation very likely to affect Western Himalayan region from today and plains of northwest India from 20th Jan. Under its influence, rain/snow very likely over Western Himalayan region from today to 23rd January, with isolated heavy to very heavy snowfall during 20th to 22nd over Jammu & Kashmir; on 21st and 22nd over Himachal Pradesh and on 22nd over Uttarakhand. Scattered to fairly widespread rainfall activity likely over Punjab, Haryana, West Uttar Pradesh and isolated to scattered over north Rajasthan & East Uttar Pradesh during 20th to 23rd January. Hailstorm also likely over lower regions of Western Himalayan region and over Punjab, Haryana, north Rajasthan & West Uttar Pradesh on 20th & 21st January.
- Strong surface winds speed reaching occasionally 20-30 kmph gusting to 40 kmph are also likely over plains of northwest India during 21st morning to 22nd morning in association with the above weather system.

Realised Rainfall

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

- **Realised:** Rain / Thundershowers occurred at a few places over Andaman & Nicobar Islands.

5 Day Rainfall Forecast (Mid-day) 18th January 2019

Met-Sub-Division	18-Jan Today	19-Jan Sat	20-Jan Sun	21-Jan Mon	22-Jan Tue
1. Andaman & Nicobar Islands	FWS	SCT	SCT	ISOL	ISOL
2. Arunachal Pradesh	ISOL	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	ISOL	DRY	DRY	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	ISOL	SCT
11. West Uttar Pradesh	DRY	DRY	DRY	SCT	FWS
12. Uttarakhand	DRY	ISOL	SCT	WS	WS
13. Haryana, Chd & Delhi	DRY	DRY	ISOL	WS	WS
14. Punjab	DRY	DRY	ISOL	WS	WS
15. Himachal Pradesh	ISOL	SCT	FWS	WS	WS
16. Jammu & Kashmir	SCT	FWS	WS	WS	WS
17. West Rajasthan	DRY	DRY	ISOL	SCT	ISOL
18. East Rajasthan	DRY	DRY	DRY	ISOL	ISOL
19. West Madhya Pradesh	DRY	DRY	DRY	ISOL	ISOL
20. East Madhya Pradesh	DRY	DRY	DRY	ISOL	ISOL
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	DRY	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	DRY	DRY	DRY	DRY
35. Kerala	DRY	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

- 18 January (Day 1):** Cold wave conditions at isolated pockets very likely over Punjab, Haryana, Chandigarh, East Madhya Pradesh and interior Odisha.
 Ground frost conditions at isolated places very likely over Punjab, Haryana, Chandigarh and East Madhya Pradesh.
 Dense fog at isolated places in the morning hours very likely over Punjab and Haryana, Chandigarh & Delhi and West Uttar Pradesh.
- 19 January (Day 2):** No Weather Warning.
- 20 January (Day 3):** Heavy rain/snow at isolated places very likely over Jammu & Kashmir.

Hailstorm at isolated places very likely over Jammu division, lower regions of Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh and West Rajasthan.

- **21 January (Day 4):** Heavy rain/snow at a few places with very heavy rain /snow at isolated places likely over Jammu & Kashmir and heavy to very heavy rain / snow at isolated places over Himachal Pradesh.

Heavy rain at isolated places over likely over northern parts of Haryana & Chandigarh and Punjab. Hailstorm at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and north Rajasthan.

- **22 January (Day 5):** Heavy to very heavy rain/snow at isolated places likely over Himachal Pradesh and heavy rain /snow at isolated places likely over Jammu & Kashmir and Uttarakhand.

Salient Advisories **Cold wave conditions and Advisory**

Realized

- Cold wave to severe cold wave conditions observed at isolated pockets over Punjab; cold wave conditions at isolated pockets over Haryana, West Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh and interior Odisha.
- Ground frost conditions occurred at isolated places over Punjab, Haryana, west Uttar Pradesh and North Madhya Pradesh.
- Minimum temperatures are appreciably below normal (-3.0°C to -5.0°C) at a few places over Haryana, Chandigarh & Delhi, Gangetic West Bengal, Odisha and East Madhya Pradesh; at isolated places over Punjab, Chhattisgarh, Vidarbha, Telangana and Kerala;

Forecast

- No significant change in night minimum temperatures over eastern India during next 2 days and gradual rise by 1-2°C thereafter. Rise in minimum temperatures by 2-3°C over Gujarat and Maharashtra during next 3 days and over northwest India from 20th January

Warning

- Cold wave conditions at isolated pockets very likely over Punjab, Haryana, Chandigarh, East Madhya Pradesh and interior Odisha during next 24 hours.
- Ground frost conditions at isolated places very likely over Punjab, Haryana, Chandigarh and East Madhya Pradesh during next 24 hours.

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.

Hail storm

- As hailstorm at isolated places very likely over Jammu division, lower regions of Himachal Pradesh and West Rajasthan on 20th, over Uttarakhand, Punjab, Haryana and Chandigarh on 20th and 21st, over Jammu & Kashmir, Himachal Pradesh, West Uttar Pradesh, Delhi and north Rajasthan on 21st January, 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 to very Dense fog observed at a few places over Punjab, Haryana, Chandigarh & Delhi; Moderate fog at a few places over Uttar Pradesh & Coastal Andhra Pradesh and at isolated places over Assam & Meghalaya, West Rajasthan and Tamilnadu at 0830 hours IST of today.

Forecast

- Shallow to moderate fog very likely at isolated places in morning hours over northeastern states during next 5 days and over Bihar, Coastal Andhra Pradesh and Telangana, during next 2 days.

Warning

Dense fog at isolated places in the morning hours very likely over Punjab and Haryana, Chandigarh & Delhi and West Uttar Pradesh during next 24 hours.

Advisory

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

State-wise Advisories

Assam, Meghalaya, Mizoram & Tripura

- In Upper Brahmaputra Valley Zone of Assam, apply irrigation to *boro* rice fields to maintain standing water of 5±2 cm depth. 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. Continue land preparation for sowing of okra.
- In Central Brahmaputra Valley Zone of Assam, undertake main field preparation for transplanting of *boro* rice seedlings. In rapeseed and mustard to control aphids and sawfly apply Dimethoate 30EC or Chlorpyrifos @ 2ml/litre.
- In Meghalaya, undertake harvesting of cole crops (cabbage, cauliflower, broccoli), ginger and turmeric.

- In Mizoram, continue harvesting of pulses.
- In Tripura, undertake transplanting of *boro* rice.
- In Nagaland, undertake harvesting of cabbage and winter vegetables.

Jammu & Kashmir

- In Sub Tropical Zone, provide drainage channels from the fields.
- In Valley Temperate Zone, provide drainage channels in vegetable fields to avoid water logging.
- In wheat, to control yellow rust infestation apply Propiconazole (Tilt) 25 EC @ 0.1 % (1ml/litre of water) after current spells of rain.

Uttarakhand

- In Hill Zone, undertake sowing of pea, coriander, fenugreek, cumin during the week. To save the young fruit plants from frost, cover with the plastic sheet with proper circulation of wind and light.
- In Sub-Humid Sub-Tropic Zone, due to possibility of rainfall, postpone irrigation in timely sown wheat.

Punjab, Haryana & Delhi

- In Punjab, to protect young fruit plants from cold, cover young fruit plants/vegetables with Sarkanda/rice straw/polythene sheets/gunny bags. Continue harvesting of matured sugarcane. Continue sowing of sunflower. Undertake sowing of long duration varieties of sunflower. Complete sowing of spring potato in the 2nd fortnight of this month.
- In Delhi, continue transplanting of onion. Continue transplanting of cauliflower, cabbage, broccoli and tomato.

Kerala

- In High Altitude Zone, undertake harvesting of rice.

Andhra Pradesh

- In Coastal Andhra Pradesh, in Pulses (blackgram and greengram) to control Powdery mildew spray wettable sulphur @ 3 g / Hexaconazole @ 2 ml per litre of water or Carbendazim @ 200 gm or Thiophanate Methyl @ 200 gm per acre twice at 10 days interval.
- In Rayalaseema, in groundnut to control sucking pest, spray Monochrotophos @ 1.6 ml or Imidacloprid @ 0.3ml or Dimethoate @ 2 ml per litre of water

Karnataka

- In South Interior Karnataka, keep inputs ready for sowing of summer ragi crop. Continue nursery preparation for summer rice crop and planting of sugarcane. Continue harvesting of matured red gram crop.
- In North Interior Karnataka, for the management of podfly in pigeon pea, spray Thiamethoxam @ 0.5 g or Imidacloprid @ 0.5 ml / litre of water.

Odisha

- Undertake picking of matured balls of cotton. Continue harvesting the matured arhar pods. Dry the harvested seeds under sun for 3-4 days. Apply irrigation to wheat crop.

Bihar

- Apply irrigation to late sown wheat crop and Rabi maize.

- In the mustard to control white rust, spray Dithane-M-45 @ 2 g/litre of water.

Chhattisgarh

- In Plain Zone, in pigeon pea to control pod borer, spray Indoxacarb @ 300 g/ha dissolved in 500 litres of water.
- In Bastar Plateau Zone, for the control of aphids in mustard crop, spray Methyl Demeton or Dimethioate @ 0.05% at evening hours.

Gujarat

- In South Gujarat, continue nursery sowing of summer rice and planting of sugarcane crop.
- In North Gujarat, undertake picking of matured clusters of castor. Apply irrigation in wheat (milking stage). Continue harvesting of pigeon pea and picking of matured clusters of castor.
- In South Gujarat, in chickpea, to control pod borer spray Fenvalerate @20 ml in 10 liters of water.

Maharashtra

- In Konkan, maintain water level of 5 cm in rabi rice. To control aphids and leaf miner in pulse crops (kulthi, Chavli), spray Dimethoate @ 10 ml/10 litres of water at an interval of 15-20 days.
- In Madhya Maharashtra, to control aphids in wheat, spray Thiamethoxam 25 WG @ 50 g/ha in 500 liters of water. Apply irrigation to orchards. Undertake sowing of summer groundnut with adequate soil moisture.
- In Marathwada, to control pod borer in chickpea, spray Quinalphos 25 % @ 400 ml or Emamectin benzoate 5 % @ 80 g/acre. To control aphids in safflower, spray of Dimethoate 30 EC @ 260 ml or Acephate 75 SP 320 g per acre.
- In West Vidarbha, continue sowing of groundnut with assured irrigation facilities. Apply irrigation to wheat and chickpea.
- In East Vidarbha, undertake harvesting of pigeonpea. To control sap sucking pests in mustard, spray Diamethoate 30 EC @ 10 ml or Malathion 50 EC @ 10 ml/10 litres of water.

Karnataka

- In North East Transition Zone, apply protective irrigation to wheat, sugarcane, pigeon pea and Bengal gram.
- In North Dry Zone, apply irrigation to wheat, Rabi sorghum and safflower. In safflower, to control sucking pests, spray 0.2 gram Thiamethacom 25 WG or 1 gram Acephate 75 SP or 1.75 ml Dimethoate 30 EC, dissolved in one liter of water.