

Advisory for DD Kisan dated 23.01.18

(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- **Very dense fog** observed at isolated places over East Uttar Pradesh and Bihar; Dense fog observed at isolated places over Sub Himalayan West Bengal and Moderate fog at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Assam & Meghalaya and Tripura.
- Today, Cold wave conditions observed at isolated places over Bihar. Yesterday, Cold day conditions were observed at a few places over Bihar.

Realised Rainfall

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

- At a few places: over Punjab and Andaman & Nicobar Islands.
- At isolated places: over Haryana, Chandigarh & Delhi and Rajasthan.

Minimum temperature

- **Minimum temperature departures as on 23.01.2018:**
- Minimum temperatures are appreciably below normal (3.1°C to 5.0°C) at a few places over Bihar; at isolated places over Gangetic West Bengal, Odisha and North Interior Karnataka; below normal (1.6°C to 3.0°C) at most places over East Uttar Pradesh and Jharkhand; at many places over rest Gangetic West Bengal and rest Assam & Meghalaya; at a few places over Vidarbha, Coastal Andhra Pradesh and South Interior Karnataka
- **The lowest minimum temperature of 3.6°C recorded at Fursatganj (East Uttar Pradesh).**

Forecast:

- Minimum temperatures likely to below normal by 2-3°C over West, Northwest & adjoining Central India from tonight.

5 Day Rainfall Forecast (Mid-day) 23rd January 2018

Met-Sub-Division	23-Jan Today	24Jan Wed	25Jan Thu	26Jan Fri	27Jan Sat
1. Andaman & Nicobar Islands	SCT	ISOL	ISOL	ISOL	ISOL
2. Arunachal Pradesh	ISOL	SCT	FWS	FWS	SCT
3. Assam & Meghalaya	DRY	ISOL	ISOL	ISOL	DRY
4. N. M. M. & T.	DRY	DRY	ISOL	ISOL	DRY
5. S.H. West Bengal & Sikkim	DRY	ISOL	ISOL	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	ISOL	DRY	DRY	DRY
10. East Uttar Pradesh	ISOL	SCT	DRY	DRY	DRY
11. West Uttar Pradesh	WS	ISOL	DRY	DRY	DRY
12. Uttarakhand	WS	SCT	DRY	DRY	DRY
13. Haryana, Chd & Delhi	WS	ISOL	DRY	DRY	DRY
14. Punjab	FWS	DRY	DRY	DRY	DRY
15. Himachal Pradesh	SCT	ISOL	DRY	DRY	DRY
16. Jammu & Kashmir	SCT	ISOL	ISOL	ISOL	ISOL
17. West Rajasthan	ISOL	DRY	DRY	DRY	DRY
18. East Rajasthan	ISOL	DRY	DRY	DRY	DRY
19. West Madhya Pradesh	ISOL	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. Marathwada	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	DRY	DRY	DRY	ISOL
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	ISOL	ISOL	DRY	DRY
36. Lakshadweep	DRY	DRY	DRY	ISOL	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

- **23 January (Day 1):** Heavy rain / snow very likely at isolated places over Uttarakhand. Thunderstorm/Hailstorm very likely at isolated places over Uttarakhand, Haryana, Chandigarh & Delhi and West Uttar Pradesh. Cold Day conditions very likely at isolated places over Bihar. Dense to very dense fog very likely at a few places over Bihar and Sub Himalayan West Bengal; at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and north Rajasthan; dense fog at isolated places over Gangetic West Bengal and Odisha.
- **24 January (Day 2):** Dense to very dense fog very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, north Rajasthan; dense fog at isolated places over Gangetic West Bengal and Odisha. Cold Wave conditions very likely at isolated places over Punjab, Haryana, West Uttar Pradesh and north Rajasthan.
- **25 January (Day 3):** Dense to very dense fog very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and north Rajasthan.

Cold wave conditions very likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and north Rajasthan.

Hailstorm likely at isolated places over Assam & Meghalaya.

- **26 January (Day 4):** Cold wave conditions likely at isolated places over Himachal Pradesh and Uttarakhand.
- **27 January (Day 5):** Cold wave conditions likely at isolated places over Himachal Pradesh and Uttarakhand.

Warning for Hailstorm & Advisory

- Thunderstorm/Hailstorm very likely at isolated places over Uttarakhand, Haryana, Chandigarh & Delhi and West Uttar Pradesh during next 24 hours and over Assam & Meghalaya on 25th January, use hailnet/ hailcap to protect orchard crops from hail.

Fog and Advisories

Realised:

- **Very dense fog** observed at isolated places over East Uttar Pradesh and Bihar; Dense fog observed at isolated places over Sub Himalayan West Bengal and Moderate fog at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Assam & Meghalaya and Tripura.

Forecast:

- **Shallow to moderate fog** very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 48 hours.

Warning:

- Dense to very dense fog very likely at a few places over Bihar and Sub Himalayan West Bengal during next 24 hours; at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and north Rajasthan during next 72 hours, over East Uttar Pradesh on 24th and 25th; dense fog at isolated places over Gangetic West Bengal and Odisha during next 48 hours.

Advisory:

- As dense to very dense fog very likely at a few places over Bihar and Sub Himalayan West Bengal during next 24 hours; at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and north Rajasthan, Gangetic West Bengal and Odisha during next 2-3 days, monitor the standing crops for incidence and spread of pest diseases, potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake plant protection measures.

Advisory for matured crop

- As dry weather would prevail, undertake harvesting of matured toria in Jharkhand, pigeon pea in North Interior Karnataka, Interior Maharashtra and Odisha and Castor in south Saurashtra and North Gujarat Zone.

Cold wave conditions and Advisories

Realised:

- Today, Cold wave conditions observed at isolated places over Bihar.

Warning:

- Cold Wave conditions very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and north Rajasthan on 24th and 25th, over Himachal Pradesh and Uttarakhand on 25th, 26th and 27th January.

Advisory:

- In view of expected cold wave conditions in above regions, farmers are advised to apply light & frequent irrigation in standing rabi pulses & vegetables, in the evening/ night hours from frost / cold injury. Apply mulch with crop residue/trash/ polythene. To protect young fruit plants from chilly winds, cover young fruit plants with straw/polythene sheets/ gunny bags. Cover banana bunch by 6% perforated white plastic bag.
- Keep animals inside the sheds during night and provide dry bedding to protect them from cold. Increase protein level and minerals in the feed concentrate to keep the animals healthy to cope up with the cold condition. In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

Agromet Advisories for *rabi* crops from different AMFUs in the country

Sate-wise Advisories

Jammu & Kashmir

- In Intermediate Zone, continue light weeding and hoeing in vegetables followed by irrigation depending upon soil moisture conditions. In mustard, install 3 - 5 yellow sticky traps/kanal to control the attack of aphids.
- In Sub tropical zone, in view of expected rainfall/snow postpone irrigation.

Assam & Meghalaya, Arunachal Pradesh

- In Arunachal Pradesh, continue harvesting of matured ginger/turmeric in clear weather.
- In Lower Brahmaputra Valley Zone of Assam, continue transplant of rice seedlings of age about 30 days or 45 days (for hybrid varieties) with 5-6 leaves stage in the main field. Continue sowing of foxtail millet and provide light irrigation after sowing.
- In the Upper Brahmaputra Valley Zone, apply irrigation to maintain 5±2 cm of standing water in the rice field. Undertake gap filling with available seedlings. Carry out land preparation for okra crop.
- In the North Bank Plain Zone, continue transplanting seedlings of Boro rice varieties in the main field.

Himachal Pradesh

- In Sub-Montane and Low Hill Tropical Zone, due to high relative humidity, infestation of blight may occur in potato and tomato if symptoms appear spray of Carbendazim @ 1 g / litre of water. To control pod borer in gram, install Pheromone trap @ 3-4 traps per acre.
- In Mid Hills Sub Humid Zone, withheld application of irrigation in all vegetables crops but continue to apply irrigation in fruit crops.

Punjab, Haryana & Delhi

- In Western Zone of Punjab, as Rain/thunder shower likely at many places during next 24hrs and at isolated places during subsequent 24hrs, do not apply irrigation to crop. In rapeseed and mustard spray Actara 25 WG @ 40 g or Rogor 30 EC @ 400 ml / 80-125 litres of water per acre to control aphid attack. To control aphids in potato, Spray Rogor 30 EC @ 300 ml in 100 litres of water per acre. Cover young fruit plants and vegetables with polythene sheet/ sarkanda/ kahi rice straw to protect from the low temperature.

Jharkhand

- In South Eastern Plateau Zone, continue nursery raising of summer rice. Apply irrigation in wheat (tillering stage), mustard, linseed and vegetable crops as per requirement.
- In Central and North Eastern Plateau Zone, to control aphids in wheat, jowar, maize and vegetable crops, spray Thiamethoxam 25 WG @ 50 g/ 500 liters of water per ha.

West Bengal

- In Coastal Saline Zone, undertake transplanting of Boro rice. Complete sowing of sunflower at optimum soil moisture conditions.

Maharashtra

- In Konkan, maintain water level up to 5 cm in transplanted rice.
- In Madhya Maharashtra, undertake land preparation and planting of suru sugarcane. Complete land preparation for summer groundnut (varieties are Phule Unnati, TAG24, TG26, TPG41, JL501). In north Madhya Maharashtra, undertake sowing of summer groundnut after rise in minimum temperature above 18⁰C. To control attack of thrips and purple blotch in onion, spray Dimethoate 30 EC @ 15 ml or Lambda cyhalothrin 5 EC 6 ml or Quinalphos 25 EC @ 24 ml per 10 liters of water alternatively. Also use Dithane M-45 @ 0.3% fungicide + sticker.
- In Marathwada, apply irrigation to jowar at grain filling stage and to banana & mango orchard. Continue planting of *suru* sugarcane.
- In Vidarbha, as dry weather prevailed and expected to prevail during next 5 days, apply irrigation to standing crops, vegetables and orchards. Continue transplanting of 22-25 days old rice seedling in East Vidarbha. Undertake land preparation and sowing of groundnut (varieties: TAG-24, TG-26, SB-11).