

Advisory for DD Kisan dated 30.01.18

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

Significant Weather Features

- **Dense to very dense fog** observed at a few places East Uttar Pradesh; at isolated places over Uttarakhand & Bihar and Moderate fog observed at a few places over rest Bihar; at isolated places over Jammu & Kashmir, Punjab, Delhi, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya & Odisha.
- Yesterday, **Cold day to severe cold day** conditions are observed at isolated places over Uttarakhand, East Uttar Pradesh and Sub-Himalayan West Bengal & Sikkim.
- Today, **Cold wave conditions** are observed at isolated places over Vidarbha, East Uttar Pradesh and Odisha.

Realised Rainfall

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

- Rainfall observed at a few places over Jammu & Kashmir; at isolated places over Andaman & Nicobar Islands.

Minimum temperature

- **Minimum temperature departures as on 30.01.2018:** Minimum temperatures are **appreciably below normal** (-3.1°C to -5.0°C) at most places over Odisha; at many places over North Interior Karnataka; at a few places over East Madhya Pradesh, Vidarbha, Chhattisgarh & Gangetic West Bengal; **below normal** (-1.6°C to -3.0°C) at most places over Bihar; at many places over Jharkhand; at a few places over East Uttar Pradesh, rest West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and at isolated places over West Madhya Pradesh.
- **The lowest minimum temperature of 3.4°C recorded at Bahraich (East Uttar Pradesh) in the plains of the country.**

Forecast:

- Minimum temperatures likely to rise by 2-4°C over northwest India during next 3-4 days. Night temperatures likely to be below normal by 3-4°C over Bihar and by 2-3 °C over Gangetic West Bengal & Jharkhand during next 2 days. No significant change in Minimum temperatures over the rest of the country.

5 Day Rainfall Forecast (Mid-day) 30th January 2018

Met-Sub-Division	30-Jan Today	31Jan Wed	01Feb Thu	02Feb Fri	03Feb Sat
1. Andaman & Nicobar Islands	ISOL	ISOL	ISOL	SCT	SCT
2. Arunachal Pradesh	DRY	DRY	ISOL	SCT	SCT
3. Assam & Meghalaya	DRY	DRY	DRY	ISOL	ISOL
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	ISOL
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	ISOL	ISOL	DRY	DRY	ISOL
16. Jammu & Kashmir	SCT	SCT	ISOL	DRY	SCT
17. West Rajsthan	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	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	ISOL	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

- **30 January (Day 1): Dense to very dense fog** very likely at a few places over north East Uttar Pradesh, north Bihar and **dense fog** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim.
Cold Wave conditions very likely at isolated places over Odisha.
- **31 January (Day 2): Dense to very dense fog** very likely at a few places over north East Uttar Pradesh, north Bihar and **dense fog** very likely at isolated places over Sub-Himalayan West Bengal & Sikkim.
Cold Wave conditions very likely at isolated places over Odisha.
- **01 February (Day 3): Dense to very dense fog** very likely at a few places over north Bihar and at isolated places over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh; **dense fog** very likely at a few places over East Uttar Pradesh; at isolated places over Sub-Himalayan West Bengal & Sikkim.

- **02 February (Day 4): Dense to very dense fog** very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh; **dense fog** very likely at a few places over East Uttar Pradesh; at isolated places over north Bihar and Sub-Himalayan West Bengal & Sikkim.
- **03 February (Day 5): Dense to very dense fog** very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh; **dense fog** very likely at a few places over East Uttar Pradesh.

Fog and Advisories

Realised:

- **Dense to very dense fog** observed at a few places East Uttar Pradesh; at isolated places over Uttarakhand & Bihar and Moderate fog observed at a few places over rest Bihar; at isolated places over Jammu & Kashmir, Punjab, Delhi, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya & Odisha

Forecast:

- Shallow to moderate fog very likely at isolated places over Assam & Meghalaya, Mizoram and Tripura.

Warning:

- Dense to very dense fog very likely at a few/isolated places over north East Uttar Pradesh during next 5 days and over north Bihar during next four days.
- Dense fog very likely at isolated places over Sub -Himalayan West Bengal & Sikkim during next 4 days.
- Dense to very dense fog very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh from 1st to 3rd February.

Advisory:

- As dense to very dense fog at a few / isolated places very likely over Bihar and Sub-Himalayan West Bengal, Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh during next 3-5 days, monitor the standing crops for incidence/ spread of pest and diseases, potato, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake plant protection measures.

Cold wave conditions and Advisories

Realised:

- **Today, Cold wave conditions** are observed at isolated places over Vidarbha, East Uttar Pradesh and Odisha.

Warning:

Cold Wave conditions very likely at isolated places over Odisha during next 48 hours.

Advisory:

- As cold wave conditions very likely at isolated places over **Odisha** during next 48 hours, apply light and frequent irrigation/sprinkler irrigation in the evening to protect the crops from cold injury. To protect young fruit plants from chilly winds, cover young fruit plants with straw/polythene sheets/gunny bags. Irrigate the rice nursery beds every day in the evening and let out the water in the morning.
- In view of the cold wave conditions in Odisha, keep animals inside the sheds during night hours and provide dry bedding to protect them from cold. 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 Sub Tropical Zone, if wilt and blight attack is observed in gram spray Bavistin/Carbendazim @ 3g/litre of water, apply light irrigation whenever necessary to young fruit plants.
- In Intermediate Zone, apply irrigation in wheat. If yellow rust infestation is observed in wheat, spray Propiconazole (Tilt) 25 EC @ 0.1 % (1ml/litre of water). Continue planting of new orchards of stone fruits (Peach, Plum & Apricot), almond, walnut etc.

Punjab & Delhi

- In Western Zone of Punjab, apply light irrigation in wheat, mustard, vegetables and fruit plants to protect from low temperature. Cover young fruit plants and vegetables with polythene sheet / sarkanda/kahi rice straw.
- In Delhi, If symptom of yellow rust is observed in wheat c spray Propiconazole 25 EC (Tilt 25 EC) @ 0.1 % . Undertake transplanting of onion seedlings.

Rajasthan

- In Arid Western Plain Zone, Higher temperatures during coming days may increase the water demand of the rabi crops. Therefore irrigate the crops as and when crops show wilting symptoms and as per need on the basis of critical growth stages.

Gujarat

- In Middle Gujarat Zone, apply light irrigation in mustard, if attack of aphids is observed spray Dimethoate 30 EC @ 0.1% to manage sucking pests.
- In North Gujarat Zone, spray Dimethoate @10ml or Phosphamidon @ 3ml / 10 liters of water in mustard, cumin, Fennel for control of aphid. To control late blight in Potato, spray Metalaxyl MZ @ 20 g /10 liter water.
- In South Sourashtra Zone, undertake Picking of cotton during morning hours.

Assam & Meghalaya, Arunachal Pradesh

- In Arunachal Pradesh, continue harvesting of matured ginger/turmeric in clear weather. Cover newly emerged banana bunches with locally available sack to protect from cold/frost. Continue harvesting of matured citrus fruits. Apply light irrigation to cole crops, if required.

- In Lower Brahmaputra Valley Zone of Assam, complete transplanting of Boro rice seedlings in the main field. Undertake land preparation and setts selection for sugarcane crop. Undertake sowing of okra (Varieties - Pusa Sawani, Arka Anamika, Parbhdani Kranti). Undertake sowing of foxtail millet and provide light irrigation.
- In North Bank Plain Zone of Assam, undertake nursery sowing of summer rice (varieties: IR 64 Drt 1, IR 64 Suklha, BVD 203, BVD 111 BVS 1, Abhishekh, KRH 2, DRRh 2, ArizeTej (Gold), Arize 6444 (Gold)).

Andhra Pradesh:

- In North Coastal Zone, complete sowing of sesame as early as possible within first week of February. Undertake planting of sugarcane after cane sett treatment with Propiconazol @ 1.0 ml / lit for 15 minutes.

Tamil Nadu

- In Western Zone, increasing wind speed associated with low relative humidity leads to more evaporation, apply irrigation to standing crops based on soil moisture. Considering favourable temperature and relative humidity, undertake planting of early season sugarcane. Prevailing weather condition is favorable for hopper incidence in mango, monitor crop and if required apply Malaithion @ 5% dust.
- In the High Rainfall Zone, irrigate rice fields and maintain 5 cm water level.

Maharashtra

- In Konkan, maintain water level up to 5 cm in transplanted rice at tillering stgae.
- In Madhya Maharashtra, continue 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. Undertake harvesting of matured rabi sorghum, gram and turmeric.
- In Marathwada, continue planting of suru sugarcane. Due to variation in weather i.e. low temperature during early morning and bright sunshine during afternoon may affect quality of grapes, cover fruit bunches with paper bags.
- In Vidarbha, as dry weather prevailed and expected to prevail during next 5 days, apply irrigation to standing crops, vegetables and orchards. Complete 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) after rise in minimum temperature above 18⁰C.