

Advisory for DD Kisan dated 20.02.18

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

Significant Weather Features

- **Dense fog** observed at isolated places over north Haryana and moderate fog at isolated places over Punjab, Delhi and Uttar Pradesh from 0230 hours IST to 0830 hours IST of today.

Realised Rainfall

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

- Very light rain occurred at isolated places over Sikkim and Arunachal Pradesh.

Minimum temperature

- **Minimum temperature departures as on 20.02.2018:** Minimum temperatures are below normal (1.6°C to 3.0° C) at most places over Rayalaseema; at many places over Tamil Nadu & Puducherry; at a few places over East Uttar Pradesh and at isolated places over Odisha and Coastal Andhra Pradesh.
- The **lowest minimum temperature of 7.8°C** recorded at **Amritsar (Punjab) & Fursatganj** (East Uttar Pradesh) each of the plains of the country

Forecast:

- Minimum temperatures are likely to rise by 3-4°C over northwest India and no significant change in minimum temperatures over the rest parts of the country during next 3 days.

5 Day Rainfall Forecast (Mid-day)

20th February 2018

Met-Sub-Division	20-Feb Today	21Feb Wed	22Feb Thu	23Feb Fri	24Feb Sat
1. Andaman & Nicobar Islands	ISOL	SCT	SCT	ISOL	ISOL
2. Arunachal Pradesh	ISOL	ISOL	SCT	SCT	SCT
3. Assam & Meghalaya	DRY	DRY	ISOL	ISOL	DRY
4. N. M. M. & T.	DRY	DRY	ISOL	DRY	DRY
5. S.H. West Bengal & Sikkim	ISOL	ISOL	ISOL	ISOL	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	DRY	ISOL
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	ISOL
12. Uttarakhand	DRY	ISOL	DRY	ISOL	FWS
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	ISOL
14. Punjab	DRY	ISOL	DRY	ISOL	SCT
15. Himachal Pradesh	DRY	SCT	DRY	SCT	WS
16. Jammu & Kashmir	SCT	FWS	ISOL	FWS	WS
17. West Rajsthan	DRY	DRY	DRY	ISOL	ISOL
18. East Rajasthan	DRY	DRY	DRY	ISOL	ISOL
19. West Madhya Pradesh	DRY	DRY	DRY	ISOL	SCT
20. East Madhya Pradesh	DRY	DRY	DRY	DRY	ISOL
21. Gujarat Region	DRY	DRY	DRY	DRY	ISOL
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	DRY	DRY	DRY	DRY	DRY
24. Madhya Maharashtra	DRY	DRY	DRY	ISOL	ISOL
25. Marathawada	DRY	DRY	DRY	DRY	ISOL
26. Vidharbha	DRY	DRY	DRY	DRY	ISOL
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	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	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

- **20 -21 February (Day 1& 2):** No weather warning.
- **22 February (Day 3):** Thunderstorm accompanied with hailstorm likely at isolated places over Sub Himalayan West Bengal.
- **23 February (Day 4):** Thunderstorm accompanied with hailstorm likely at isolated places over West Madhya Pradesh and north Madhya Maharashtra.
- **24 February (Day 5):** Heavy rain/snow likely at isolated places over Jammu & Kashmir and Himachal Pradesh.
- Thunderstorm accompanied with hailstorm likely at isolated places over Jammu Division, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Rajasthan, West Madhya Pradesh and Marathwada.

Thunderstorm accompanied with hailstorm

Warning:

- **Thunderstorm accompanied with hailstorm** likely at isolated places over Sub Himalayan West Bengal on 22nd, over West Madhya Pradesh and north Madhya Maharashtra on 23rd and over Jammu Division, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Rajasthan, West Madhya Pradesh and Marathwada 24th February.

Advisory:

- In view of expected hailstorm in above regions, harvest matured rabi crops, fruits and fruit vegetables as early as possible. Use hail net for orchard crops to protect from mechanical damage. Arrange mechanical support to young fruit plants, banana and vegetables and propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safe places.

Fog and Advisories

Realised:

- **Dense fog** observed at isolated places over north Haryana and moderate fog at isolated places over Punjab, Delhi and Uttar Pradesh from 0230 hours IST to 0830 hours IST of today.

Forecast:

- Shallow to moderate fog very likely over coastal areas of Gangetic West Bengal and Odisha during next 2 days.

Advisory:

- In view of expected fog in above regions, 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.

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

Salient advisories

- Continue transplanting of summer rice in South Interior Karnataka, Jharkhand and Odisha. In Western Plain Zone of Punjab, continue sowing of maize and planting of spring sugarcane. Undertake sowing of green gram and black gram in Odisha and Madhya Pradesh.
- As dry weather would prevail, apply irrigation in wheat at grain filling stage and at dough stage in barley in Sub Humid Southern Plain and Aravalli Hill Zone of Rajasthan. Apply irrigation in chickpea and vegetables in Gujarat. Apply irrigation in gram and wheat in West Madhya Pradesh.

Sate-wise Advisories

Assam & Meghalaya

- In Barak Valley Zone of Assam, undertake sowing of summer okra. There may be chances of attack aphid and hairy caterpillar in green gram and black gram, spray Dimethoate 30 EC @ 2 ml per liter of water. To control the stem borer and leaf folder in boro rice, spray Chlorpyrifos 50 EC @ 1 ml per liter of water.
- In Hill Zone of Assam, undertake land preparation for sowing of green gram (Varieties: T44, AAU 34, AAU 39, Pratap) & black gram (Varieties: T 9, Pant U 19, JU 78). In present weather condition constant monitoring of wheat crop against attack of yellow rust is advised. If symptom found, spray Propiconazole 25 EC (Tilt 25 EC) @ 0.1 %.

Jammu & Kashmir

- In view of expected fairly wide spread / wide spread rain with isolated heavy rain/snow, provide adequate drainage in standing crops.
- In Sub Tropical Zone, to control yellow rust in wheat, spray Propaconazole (Tilt) @ 25ml in 25 litres of water /kanal after current spells of rain. Undertake transplanting of tomato /brinjal / chilli, & cucurbits (Cucumber bottle gourd/ bitter gourd/ pumpkin).

Gujarat

- In South Gujarat Zone, apply irrigation to vegetable crops as there is increase in temperatures. Spray 0.5% Zinc Sulphate or 0.2% Ferrous Sulphate in banana crop for higher yield and good fruits quality. Spray 2% Potassium Nitrate in mango crop for effective control of mango fruit dropping and higher flower setting.
- In South Saurashtra Zone, continue harvesting of matured pigeon pea and coriander. Apply irrigation in chickpea. For the control of powdery mildew in mango, spray Sulphur @ 30 g + Carethon 48 % EC @ 10 ml / 10 liter of water.
- In Bhal and Coastal Zone, undertake harvesting of wheat, chick pea, mustard crop and castor. Complete sowing of okra, cluster bean and cowpea for summer season vegetables. Transplant brinjal seedling during evening hours.

Rajasthan

- In Flood Prone Eastern Plain Zone, spray Mancozeb or Ridomil MZ 72 WP @ 2 Kg in 800 litres water/ha to control white rust in mustard (yellowish on upper side while white circular or irregular blisters on lower side of the leaves).
- In Arid Western Plain Zone, apply irrigation as per requirement. To control aphid attack in mustard, spray Malathion 50 EC @ 1200 ml/ha or Dimethoate 30 EC @1200 ml/ha along with water.
- In Sub Humid Southern Plain and Aravali Hill Zone, apply light irrigation in standing crops, wheat and vegetables as per requirement. Undertake sowing of summer green gram with irrigation. Undertake land preparation for sowing of summer groundnut crop (Variety: TAG-24, DH-86, GG-2, TG-37A and Pratap Raj).

Punjab & Delhi

- In Western Zone of Punjab, apply irrigation to the wheat, vegetables and fruit crops. Monitor wheat fields for appearance of yellow rust. As soon as disease appears spray Tilt or Bumper or Markzole @ 200 ml in 200 litres of water per acre. Repeat spray at 15 days interval.
- In Delhi, undertake land preparation for green gram (Variety : Pusa Visal, Pusa Vaisakhi, PDM-11, SML-32 and black gram (Variety: Pant Urd 19, Pant Urd 30, Pant Urd 35, PDU-1). Undertake sowing of lady's finger (Variety: A-4, Parbani Kranti and Arka anamika).

Maharashtra

- In view of hailstorm likely at isolated places over north Madhya Maharashtra and Marathwada, farmers are advised to complete harvesting of matured rabi crops like jowar, gram and safflower, vegetables and orchards like grapes, orange, sweet lime, banana and papaya as early as possible and keep harvested produce in safer place. Also cover the orchards like orange, sweet lime and vine yards with hailnet.
- In Konkan, in transplanted rice, maintain 5 cm water level at tillering stage. Due to variation in minimum temperature, incidence of aphids and leaf minor may increase in pulse crops, spray Dimethoate @ 10 ml or Lambda cyhalothrin 5% EC @ 6 ml per 10 litres of water at an interval of 15-20 days. To increase production and quality improvement of mango fruits, spray 1 % Urea and 1 % Potassium nitrate at pea, marble and arecanut size stage. Apply irrigation for alphonso mango @ 150 to 200 litres of water at fortnight interval to reduce fruit drop and increase fruit size.
- In Madhya Maharashtra, complete harvesting of rabi crops (gram and jowar), vegetables and fruits as early as possible. Keep the produce in safer places. For control of early shoot borer in sugarcane, spray 18.5% SC Chlorantraniliprole @ 3 to 4 ml or Chlorantraniliprole granule 0.4% @18.75 kg/ha or Chlorpyrifos 20 % @15 ml per 10 litre of water.
- In Marathwada, complete harvesting of rabi crops like rabi sorghum, gram and wheat (sown in the month of October) as early as possible. Cover harvested crops with plastic sheet to protect from unseasonal rains, store the threshed crops in safe place. Complete harvesting of matured banana, citrus fruits and grapes as early as possible. Also spray GA @ 15 PPM to control fruit drop in citrus orchards. To protect the vine yards from light rainfall and hailstorm, cover it with hail net. To protect the watermelon from light rainfall and hailstorm, cover the crop with plastic by making dome shaped cover.
- In Vidarbha, complete harvesting of matured gram and red gram as early as possible. Continue sowing of summer sesame (Variety-NT-11) in east Vidarbha.