

Advisory for DD Kisan dated 23.02.18

(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 isolated places over Punjab and Haryana & Chandigarh and Moderate to dense fog at isolated places over Uttar Pradesh, Gangetic West Bengal, Tripura and Saurashtra & Kutch.

Realised Rainfall

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

- Rain / Thundershowers observed at many places over Arunachal Pradesh; at a few places over Assam & Meghalaya and Andaman & Nicobar Islands; at isolated places over Sikkim.

Minimum temperature

- **Minimum temperature departures as on 23.02.2018:**
- Minimum temperatures are below normal (1.6°C to 3.0°C) at many places over Rayalaseema; at a few places over Odisha, Tamilnadu & Pudducherry; at isolated places over Coastal Andhra Pradesh & South Interior Karnataka.
- The **lowest minimum temperature of 9.0°C** recorded at **Pachmarhi** (West Madhya Pradesh) in the plains of the country.

Forecast:

- Rise in Maximum and Minimum temperatures by 1-2°C during next 24 hours and fall by 2-3°C thereafter likely over northwest India.
- Rise in both Maximum & Minimum temperatures by 1-2°C likely over east India, central India & Peninsular India during next 2-3days.
- No significant change in Maximum and Minimum temperatures over the rest parts of the country during next 2 days.

5 Day Rainfall Forecast (Mid-day)

23rd February 2018

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

- **23 February (Day 1):** No Weather Warning.
- **24 February (Day 2):** 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, north Haryana and northwest Uttar Pradesh.
- **25 February (Day 3):** Thunderstorm accompanied with hailstorm likely at isolated places over Sikkim and Assam & Meghalaya.
- **26 February (Day 4):** Thunderstorm accompanied with hailstorm likely at isolated places over Assam & Meghalaya.
Thunderstorm accompanied with Gusty winds likely at isolated places over Tamilnadu & Pudducherry.
- **27 February (Day 5):** Thunderstorm accompanied with Gusty winds likely at isolated places over Tamilnadu & Pudducherry.

Thunderstorm accompanied with hailstorm

Warning:

- **Thunderstorm accompanied with hailstorm** likely at isolated places over Jammu division, Himachal Pradesh, Uttarakhand, Punjab, north Haryana and northwest Uttar Pradesh on 24th February, Sikkim on 25th February and Assam & Meghalaya on 25th and 26th February.

Advisory:

- In view of expected hailstorm in above regions use hail net for orchard crops to protect from mechanical damage. Arrange support to young fruit plants and vegetables, 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 to very dense fog** observed at isolated places over Punjab and Haryana & Chandigarh and Moderate to dense fog at isolated places over Uttar Pradesh, Gangetic West Bengal, Tripura and Saurashtra & Kutch.

Rain/snow

Warning:

- Rain/snow would occur at most places over Jammu & Kashmir and Himachal Pradesh and at many places over Uttarakhand on 24th, rain/thundershower would occur at many places over Punjab on 24th, over Arunachal Pradesh on 25th and 26th February, along with heavy rain/snow likely at isolated places over Jammu & Kashmir and Himachal Pradesh on 24th February

Advisory:

- In view of expected rain/snow in above regions avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water stagnation in Jammu & Kashmir and Himachal Pradesh.

Thunderstorm accompanied with Gusty winds

Warning:

Thunderstorm accompanied with Gusty winds likely at isolated places over Tamilnadu & Pudducherry on 26th and 27th February.

Advisory:

- In above region, provide support to banana, young fruit plants and vegetables, propping up in sugarcane to prevent the crops from lodging due to strong winds.

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

Salient advisories

- In Western Plain Zone of Punjab, continue sowing of maize and planting of spring sugarcane. Continue sowing of green gram and black gram in Odisha, Bihar and Madhya Pradesh and green gram in Sub Humid Southern Plain and Aravalli Hill Zone of Rajasthan and in Central Plain Zone of Uttar 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 and maize crop at silking stage in Odisha. Apply second irrigation in gram at branching stage and in wheat at dough stage in West Madhya Pradesh. Undertake harvesting of matured early sown mustard in Rajasthan and complete harvesting of gram in Marathwada and Vidarbha.
- In Konkan, due to partly cloudy weather conditions, incidence of thrips may be observed on mango inflorescence, mustard and pea size fruits of mango, spray Spinosad 2.5 ml per 10 liters of water on the whole tree.

Sate-wise Advisories

Jammu & Kashmir

- In Sub Tropical Zone, continue transplanting of cucurbits, tomato, brinjal and chilli. Undertake direct sowing of bottle gourd, bitter gourd and pumpkin.
- In Intermediate Zone, in lower mid hills continue early nursery sowing of summer vegetables under protected structures (Poly house, Poly tunnel etc.).
- In Valley Temperate Zone, continue nursery bed preparation for raising of vegetables and sowing of cucurbits in polybags inside polyhouse.

Uttarakhand:

- In Bhabar and Tarai Zone, undertake planting of sugarcane. In mid and high hills, seeds of brinjal, tomato, capsicum and chilly should be sown in the nursery.
- In Sub Humid Sub Tropic Zone, continue transplanting of onion and tomato.
- In Bhabar and Tarai Zone, continue harvesting of sugarcane and mustard. Undertake planting of spring sugarcane and sowing of sunflower and maize. Undertake field preparation for sowing bottle gourd, bitter gourd, ridge gourd and pumpkin.

Himachal Pradesh:

- In Sub-Montane and Low Hill SubTropical Zone, continue nursery preparation of summer vegetables. Undertake preparation of seedlings of cucurbits in polythene bags.
- In Mid Hills Sub Humid Zone, continue field preparation for nursery sowing of vegetables like tomato, capsicum and sowing of bhindi, gourd etc.
- In Sub-Montane and Low Hill Tropical Zone, for control of aphid in mustard crop, spray Rogar or Quinalphos @ 2.0 ml/litre of water after current spells of rain.

Punjab, Haryana & Delhi:

- In Western Zone of Punjab, as rainfall is expected during next 24 hours, avoid irrigation in wheat, mustard, vegetables and fruit crops.
- In Western Plain Zone of Punjab, as there is forecast for rainfall and thunderstorm accompanied with hailstorm on 24th, farmers are advised to with hold the irrigation in crops. Provide mechanical support to weak fruit plants like papaya and banana. Continue sowing of maize and planting of spring sugarcane. Continue harvesting of matured vegetables in clear weather. Continue transplanting of brinjal, capsicum and chilli, muskmelon, water-melon, bottle-gourd, pumpkin etc.
- In Undulating Plain Zone of Punjab, as rainfall is expected avoid irrigation in standing crops. Continue planting of sugarcane and sowing of spring maize. Continue transplanting of chilli and tomato and raising of cucurbit seedlings.
- In Delhi, undertake sowing of early crop of ladies finger- (A-4, Parbani, Kranti and Arka anamika cultivars).

Uttar Pradesh:

- In Allahabad, Fatehpur districts of Central Plain Zone, continue land preparation and sowing of summer Moong (varieties viz. k-851 and JM-721). Undertake sowing of okra, bitter gourd and bottle gourd.
- In Varanasi district of Central Plain Zone, continue sowing of cucurbit crops. Undertake harvesting of matured mustard.

Odisha:

- In Mid Central Table Land Zone, as dry weather would prevail, maintain optimum water level in rabi rice. Harvest the matured crop of green gram and black gram.
- In Eastern Ghat High Land Zone, undertake sowing of summer cow pea (Pusa Phalguni, Pusa Komal)

Jharkhand:

- In Central and North Eastern Plateau Zone, irrigate the wheat crop. If irrigation facility is available, undertake sowing of maize with recommended dose of fertilizer. Continue sowing of summer green gram.
- In South Eastern Plateau Zone, continue transplanting of summer rice.

Assam:

- In Lower Brahmaputra Valley Zone of Assam, undertake harvesting mature potato crop as early as possible. Undertake land preparation for summer green gram/black gram, pointed gourd, okra and sugarcane.
- In the Hill Zone of Assam, undertake land preparation and sowing of green and black gram.
- In the Upper Brahmaputra Valley Zone, undertake land preparation for sowing of maize, black gram and green gram. Undertake land preparation for okra, Ridge gourd and Sponge gourd.
- In the North Bank Plain Zone, undertake land preparation for direct-seeded Ahu rice (varieties like Banglami, Rangadoria, Ahu joha, Rasi etc.) Undertake land preparation for sowing of summer green gram and black gram from mid-February to March.

- In the Central Brahmaputra Valley Zone, apply Dimethoate 30EC or Chloropyriphos 20EC @1ml per litre of water during afternoon hours to control aphids in wheat crop at vegetative and ear head stage on a non rainy day.

Maharashtra:

- In North Konkan, in transplanted rice, maintain 5 cm water level at tillering stage. Apply irrigation in groundnut crop at 10-12 days interval.
- In Madhya Maharashtra, complete harvesting of matured gram and jowar. In Western Ghat Zone, complete harvesting of matured rabi crops (gram, safflower, wheat and jowar), vegetables and fruits. To protect the newly planted fruit crops from direct sunlight erect shed.
- In Marathwada, complete harvesting of rabi crops like rabi sorghum, gram and wheat (sown in the month of October). Complete harvesting of matured banana, citrus fruits and grapes.
- In Vidarbha, complete harvesting of matured gram and red gram. Continue planting of leafy vegetables like fenugreek, spinach and coriander. Continue sowing of summer sesame (Variety-NT-11). Apply irrigation to groundnut crop at an interval 10-12 days. Also undertake gap filling in the crop.
- In Konkan, due to partly cloudy weather conditions, the incidence of thrips may be observed on mango inflorescence, mustard and pea size fruits of mango, spray Spinosad 2.5 ml per 10 liters of water on the whole tree.

Madhya Pradesh:

- In Vindhya Plateau Zone, undertake harvesting of matured gram and wheat. Continue sowing of cucurbits. Undertake field preparation for sowing of okra and planting of sugarcane.
- In Bundelkhand Zone, undertake harvesting of mature crops like pea, chickpea, lentil, linseed and mustard and store in safe place.
- In Satpura Plateau Zone, continue planting of spring sugarcane and sowing of groundnut and maize. Undertake harvesting of matured oilseeds, pulses and wheat. Undertake preparation of seedlings of cucurbits in polythene bags.
- In Jhabua Hill Zone, undertake harvesting of matured semi irrigated wheat.

Andhra Pradesh:

- In the North Coastal Zone, continue planting of sugarcane after sett treatment with Propiconazol @ 1.0 ml/litre for 15 minutes before planting.
- In the Krishna Godavari Zone, carry out harvesting during morning hours of chick pea crop when the leaves turn reddish brown and plants start leaf shedding.

Tamil Nadu:

- In the High Rainfall Zone, irrigate the paddy field to a depth of 5 cm at panicle initiation and flowering stage. Provide support to banana plants to prevent lodging.
- In the North Western Zone, to control stem borer incidence in maize, carry out spot application of Cartop 4 kg along with 4 kg of sand/acre or foliar spray of Clorpyriphos @ 2ml with 1ml sticking agent per litre of water.
- In the Western Zone, apply frequent irrigation to recently planted sugarcane to avoid early shoot borer attack. Provide adequate support to 5 months old banana and sugarcane.