

Advisory for DD Kisan dated 25.01.18

(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 over northwest Rajasthan; at isolated places over Punjab, Himachal Pradesh, Haryana, Chandigarh & Delhi, Uttar Pradesh and Sub Himalayan West Bengal; Dense fog observed at a few places rest East Uttar Pradesh and Moderate fog observed at isolated places over Assam & Meghalaya.
- **Cold wave conditions** observed at isolated places over Punjab, East Rajasthan, Madhya Pradesh & Marathwada.

Realised Rainfall

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

- Light rain observed at most places over Arunachal Pradesh; at a few places over East Assam and at isolated places over West Uttar Pradesh, Andaman & Nicobar Islands, Kerala, Tamil Nadu and Lakshadweep.

Minimum temperature

- **Minimum temperature departures as on 25.01.2018:**
- Minimum temperatures are appreciably below normal (3.1°C to 5.0°C) at most places over Vidarbha; at a few places over Madhya Pradesh; below normal (1.6°C to 3.0°C) at most places over Marathwada & North Interior Karnataka; at many places over East Rajasthan; at a few places over Gujarat region, Madhya Maharashtra & Telangana; at isolated places over Konkan & Goa.
- **The lowest minimum temperature of 2.0°C recorded at Bhilwara (East Rajasthan) in the plains of the country.**

Forecast:

- Minimum temperatures likely to fall by 1-2°C over Central & East India. No significant change in minimum temperatures likely over northwest India and western parts of Peninsular India during next 3 days. They are likely to rise by 2-3°C over northwest India thereafter.

5 Day Rainfall Forecast (Mid-day) 25th January 2018

Met-Sub-Division	25-Jan Today	26Jan Fri	27Jan Sat	28Jan Sun	29Jan Mon
1. Andaman & Nicobar Islands	FWS	SCT	SCT	ISOL	ISOL
2. Arunachal Pradesh	FWS	SCT	ISOL	ISOL	DRY
3. Assam & Meghalaya	ISOL	DRY	DRY	DRY	DRY
4. N. M. M. & T.	ISOL	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	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	DRY	DRY	DRY	DRY	ISOL
16. Jammu & Kashmir	ISOL	ISOL	ISOL	ISOL	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	ISOL	DRY	DRY	DRY	DRY
36. Lakshadweep	ISOL	ISOL	ISOL	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

- **25 January (Day 1):** Dense to very dense fog very likely at a few places Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Bihar, Sub Himalayan West Bengal and at isolated places over north Rajasthan and lower reaches of Himachal Pradesh & Uttarakhand.
Cold Wave conditions very likely at isolated places over Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh, north Rajasthan and Madhya Pradesh.
Ground frost conditions very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, north Rajasthan, Punjab, Haryana and Chandigarh.
- **26 January (Day 2):** Dense to very dense fog very likely at a few places East Uttar Pradesh, Bihar and Sub Himalayan West Bengal and at isolated places over north Rajasthan, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and lower reaches of Himachal Pradesh & Uttarakhand.
Cold Wave conditions very likely at isolated places over Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh, north Rajasthan and Madhya Pradesh.
Ground frost conditions very likely at isolated places over Jammu & Kashmir, Himachal Pradesh,

Uttarakhand, north Rajasthan, Punjab, Haryana and Chandigarh.

- **27 January (Day 3):** Dense to very dense fog very likely at a few places East Uttar Pradesh, Bihar and Sub Himalayan West Bengal and at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh; Dense fog very likely at isolated places over lower reaches of Himachal Pradesh & Uttarakhand.

Cold Wave conditions very likely at isolated places over Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh and north Rajasthan and Madhya Pradesh.

Ground frost conditions very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, north Rajasthan, Punjab, Haryana and Chandigarh.

- **28 January (Day 4):** Dense fog likely at isolated places over East Uttar Pradesh.
- **29 January (Day 5):** No weather warning.

Fog and Advisories

Realised:

- **Dense to very dense fog** observed at a few places over northwest Rajasthan; at isolated places over Punjab, Himachal Pradesh, Haryana, Chandigarh & Delhi, Uttar Pradesh and Sub Himalayan West Bengal; Dense fog observed at a few places rest East Uttar Pradesh and Moderate fog observed at isolated places over Assam & Meghalaya.

Forecast:

- Shallow to moderate fog very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 2 days.

Warning:

- Dense to very dense fog very likely at a few places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh during next 24 hours and at isolated places on 26th and 27th.,
Dense to very dense fog very likely at a few places over Bihar, Sub Himalayan West Bengal during next 72 hours.
Dense to very dense fog very likely at a few places over East Uttar Pradesh during next 72 hours and at isolated places on 28th.
Dense to very dense fog at isolated places over north Rajasthan during next 48 hours and over lower reaches of Himachal Pradesh & Uttarakhand during next 48 hours and dense fog at isolated places on 27th.
- In Central Plain Zone of Uttar Pradesh, due to prevailing foggy weather condition, there are chances of attack of late blight in potato crop, for control, spray Indofil-M-45 / Kavach /Antracol @ 500-700 g per acre or Blitox @ 750-1000 g per acre in 250-350 litres of water.

Advisory:

As dense to very dense fog at a few places very likely over Bihar and Sub-Himalayan West Bengal from 25th to 27th, over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh on 25th, over East Uttar Pradesh on 26th and 27th, dense to very dense/dense fog at isolated places over north Rajasthan

and lower reaches of Himachal Pradesh & Uttarakhand from 25th to 27th, over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh on 26th and 27th and over East Uttar Pradesh on 28th January, 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.

Advisory for realised & expected rain

- In view of realised rain and rain/thundershowers likely at many places over Andaman & Nicobar Islands and Arunachal Pradesh on 25th January, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops.

Advisory for matured crop

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

Cold wave and Ground frost conditions and Advisories

Realised:

- Cold wave conditions observed at isolated places over Punjab, East Rajasthan, Madhya Pradesh & Marathwada.

Warning:

- Cold Wave conditions very likely at isolated places over Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh, north Rajasthan and Madhya Pradesh during next 3 days.
Ground frost conditions very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, north Rajasthan, Punjab, Haryana and Chandigarh during next 3 days.

Advisory:

- As cold wave conditions very likely at isolated places over **Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh, north Rajasthan** and **Madhya Pradesh** during next 72 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.
- As ground frost conditions very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, north Rajasthan, Punjab, Haryana and Chandigarh during next 72 hours, apply light and frequent irrigation in standing crops during evening hours and in cash crops, spray of 0.1 percent H₂SO₄ to protect from frost injury.
- In view of the cold wave conditions in Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh, north Rajasthan and Madhya Pradesh from 25th to 27th January, keep animals inside the sheds during night hours and provide dry bedding to protect them from cold. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @

10%-20% in the daily ration during winter season to meet the energy requirement of the animals, 10% extra dry matter should be provided over and above the total requirement to fulfill the extra energy requirement in winter. 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, apply light irrigation whenever necessary to young fruit plants to protect them from low temperature.
- In Intermediate Zone, apply irrigation in wheat. Continue light weeding and hoeing in vegetables followed by irrigation depending upon soil moisture conditions. Continue planting of new orchards of stone fruits (Peach, Plum & Apricot), almond, walnut etc.
- In Valley Temperate Zone, apply mulch in vegetables to protect from frost.

Uttarakhand

- In Sub Humid Sub Tropic Zone, undertake harvesting of late sown toria and mustard.
- In Hill Zone, undertake intercultural operation and hand weeding in onion.
- In Bhabar and Tarai Zone, to control the late blight disease in potato and tomato, spray Mancozeb @ 2.5g/liter or Copper Oxychloride @ 3g/litre of water.

Himachal Pradesh

- In Sub-Montane and Low Hill Tropical Zone, add mulch material in space between two rows of vegetables crops for conservation of soil moisture and maintaining the soil temperature.
- In Solan Shimla, Bilaspur and Sirmour districts of Mid Hills Sub Humid Zone, continue transplanting of onion. Apply light irrigation in vegetables.

Punjab, Haryana & 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 Western Plain Zone of Punjab, continue harvesting of sugarcane. Apply irrigation in mustard and vegetables to save from frost. Avoid sowing of sunflower till cold wave conditions persists. Apply second irrigation in timely sown wheat.
- In Undulating Plain Zone of Punjab, apply light irrigation in wheat, sugarcane, oilseeds and vegetables to save from frost. Cover young fruit plants and nursery plants with thatches/sarkanda/plastic sheet to save from low night temperature.
- In Eastern Zone of Haryana, as there are chances of cold wave and frost at isolated places, apply light irrigation and cover young fruit plants with rice straw or thatches. Continue harvesting of matured sugarcane.
- In Delhi, undertake nursery preparation for vegetables like chilli, brinjal and tomato and sowing of spinach, coriander, fenugreek. Continue transplanting of onion.
- In Western Plain Zone of Punjab, there are chances of late blight in potato and if symptoms appear, spray Indofil M-45/Markzeb/Kavach @ 500-700 g in 250-350 litres of water per acre.
- In Undulating Plain Zone of Punjab, monitor the wheat crop for incidence of yellow rust. If symptoms are noticed, spray Native @ 120g or Tilt @ 200ml per litre of water for control.

Uttar Pradesh

- In Eastern Plain Zone, continue intercultural operations in vegetables and apply light irrigation during evening hours to protect from cold injury.
- In Kanpur district of Central Plain Zone, undertake transplanting of onion. Undertake nursery preparation of summer vegetables.
- In Central Plain Zone, due to prevailing foggy weather condition, there are chances of attack of late blight in potato crop, for control, spray Indofil-M-45 / Kavach /Antracol @ 500-700 g per acre or Blitox @ 750-1000 g per acre in 250-350 litres of water.

Rajasthan

- In Bikaner district of Arid Western Plain Zone, to protect horticultural plants from low temperature, cover with crop residues or munjha thatches and apply light & frequent irrigation.
- In Arid Western Plain Zone, if there is infestation of termite in wheat and other crop fields, apply Chloropyrifos (20 EC) @ 2400 ml/ha along with irrigation water.

Odisha

- In Western Undulating Zone, continue transplanting of rice. Continue harvesting of matured pods of pigeon pea.
- In South Eastern Ghat Zone and North Eastern Coastal Plain Zone, undertake field preparation for transplanting of rice. As temperature will remain low, cover the nursery bed with FYM & paddy straw/banana leaves after sowing.
- In Eastern Ghat High Land Zone, continue field preparation and sowing of summer green gram and black gram. Prepare the main field for transplanting and undertake transplanting at three week stage of rice seedling.

Bihar

- In South Bihar Alluvial Zone, apply irrigation in pea before flowering stage, in timely sown wheat at tillering stage. In view of very low temperature, farmers are advised to apply light irrigation at evening time to protect the standing crops from probable frost.
- In North East Alluvial Zone, infection of blight may occur in potato. If symptoms appear then spray Carbendazim @ 1 g/litre of water or Dithane-M-45 @ 2 g/litre of water.

Jharkhand

- In Central and North Eastern Plateau Zone, continue transplanting of summer rice. If irrigation facility is available, undertake sowing of maize (varieties HQPM (Hybrid)). Undertake land preparation for sowing of summer green gram.
- In Western Plateau Zone, complete nursery sowing of summer rice. Continue harvesting of matured toria.

West Bengal

- In Coastal Saline Zone, carry out main field preparation and start transplanting Boro rice within 2-3 days @ 4-5 seedlings per hill. Undertake sowing of sunflower varieties like Modern Surya (90-95days), Pack (104days) and KBSH (90-95 days). Complete sowing of sunflower at optimum soil moisture conditions
- In Laterite and Red Soil Zone, undertake transplanting of rice seedlings as soon as possible. Apply light irrigation to potato and mustard crops.
- In New Alluvial Zone, carry out main field preparation and start transplanting Boro rice. Undertake sowing of spinach, coriander and fenugreek may be done in present weather conditions.
- In the Old Alluvial Zone, carry out field preparation and sow seeds of summer Okra crop.

Assam & Meghalaya, Arunachal Pradesh

- In Arunachal Pradesh, continue harvesting of mature crop of ginger/turmeric after current spells of rain. 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.

- In Meghalaya, continue harvesting of French bean, rajmash and cow pea crops.
- 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 like Pusa Sawani, Arka Anamika, Parbhdani Kranti and local cultivars. Undertake sowing of foxtail millet from mid-January to mid-February and provide light irrigation.
- In the Hill Zone of Assam, keeping in view of low temperature and humidity, monitor rice crop seedlings for attack of thrips during morning hours. Continue transplanting of onion seedlings.
- In the Central Brahmaputra Valley Zone, maintain 5 cm of standing water in the field after 2-3 days of transplanting up to 7-10 days before harvest.
- In the North Bank Plain Zone, continue transplanting seedlings of Boro rice in the main field.

Nagaland, Mizoram, Manipur and Tripura

- In Manipur, provide light irrigation to rabi maize and potato. Undertake land preparation for sowing of summer rice crop. Raise nursery for late cole crops.
- In Mizoram, continue harvesting of banana, khasi mandarin, acid lime, star fruit, plum and peach.
- In Tripura, continue transplanting of Boro rice. Apply irrigation and provide mulching to mustard and lentil crops. Apply light irrigation to cole crops and tomato.
- In Nagaland, provide mulching to rabi maize, toria, lentil and linseed crops. Harvest ripened fruits of Khasi Mandarin.
- In Tripura, spray Cymoxanil+ Mancozeb or Metalaxyl+ Mancozeb @ 1.5 g per liter of water in the potato field at least twice at an interval of 15 days to control early blight.

Kerala

- In the Problem Area Zone, undertake harvesting of cabbage and cauliflower 8-10 days after head emergence. Provide irrigation to banana and coconut as per requirement.

Andhra Pradesh:

- In the Krishna Godavari Zone, undertake sowing of chickpea.
- In the North Coastal Zone, continue harvesting sugarcane crop.
- In the Southern Zone, present weather conditions are highly favourable for blast in rice, spray Tricyclozole (Beem) @ 0.6 g/litre of water. If the intensity of the disease is more, spray Isoprothiolin @ 1.5 ml per litre of water.

Telangana

- In North Telangana Zone, undertake transplanting of rice. Maintain shallow depth of water at the time of transplanting. Provide irrigation during flowering and grain filling stage in sorghum crop.

Tamil Nadu

- In the Western Zone, stop irrigation to rice crop 15 days before harvesting. Increase the duration between irrigation to facilitate maturity in turmeric crop. Postpone sowing of maize till first week of February as low temperatures are expected.
- In the High Rainfall Zone, irrigate paddy fields and maintain 5 cm water level.

Karnataka

- In Southern Transition Zone, undertake land preparation for transplanting of summer rice and harvesting of matured sugarcane.
- In North East Dry Zone, undertake planting of sugarcane.
- In North East Transition Zone, provide protective irrigation in sorghum.
- In North Dry Zone, provide light irrigation in late sown sorghum, sugarcane, chickpea and wheat as per need.

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, Continue planting of suru sugarcane. To control attack of rust in safflower, spray Mancozeb or Diathane @ 20 g per 10 liter of water.
- 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).