

Advisory for DD Kisan dated 04.01.19
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- Fairly widespread to widespread rain/snow is very likely over Jammu & Kashmir, Himachal Pradesh & Uttarakhand during next 3 days. Heavy rain/snow and hailstorm are likely to occur at isolated places over Jammu & Kashmir & Himachal Pradesh on today & tomorrow. Along with this, fairly widespread to widespread rainfall is also likely over Punjab and Haryana, Chandigarh & Delhi on 5th & 6th January with likely heavy rains on 5th and isolated hailstorms on 5th and 6th. Isolated to scattered rain is also likely over adjoining areas of north Rajasthan and also over Uttar Pradesh during the same period.
- Dense to very dense fog is likely to reappear over parts of northwest India in the morning hours from 7th January.
- The cyclonic storm 'PABUK' over south China Sea moved west-northwestwards during past 24 hours and lay centred at 0830 hour IST of 04th January 2019 over Gulf of Thailand and adjoining Thailand near latitude 8.3°N and Longitude 101.0°E, about 990 km east-southeast of Port Blair. It is very likely to move west-northwestwards and emerge into Andaman Sea by tomorrow forenoon. Thereafter, it is very likely to move northwestwards and cross Andaman Islands around evening/night of 06th January. Subsequently, it is very likely to move north-northwestwards and then recurve northeastwards towards Myanmar coast and weaken further during 7th-8th January 2019.

Realised Rainfall

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

- **Realised:** Rainfall observed at many places over Arunachal Pradesh, at a few places over Assam & Meghalaya and at isolated places over Uttarakhand and Sikkim.

Day Rainfall Forecast (Mid-day)
4th January 2019

	Today	Sat	Sun	Mon	Tue
1. Andaman & Nicobar Islands	ISOL	FWS	WS	SCT	SCT
2. Arunachal Pradesh	ISOL	DRY	DRY	DRY	SCT
3. Assam & Meghalaya	ISOL	DRY	DRY	DRY	ISOL
4. N. M. M. & T.	DRY	DRY	DRY	ISOL	ISOL
5. S.H. West Bengal & Sikkim	ISOL	DRY	DRY	ISOL	ISOL
6. Gangetic West Bengal	DRY	DRY	DRY	DRY	DRY
7. Odisha	DRY	DRY	DRY	DRY	DRY
8. Jharkhand	DRY	DRY	DRY	ISOL	DRY
9. Bihar	DRY	DRY	ISOL	ISOL	DRY
10. East Uttar Pradesh	DRY	ISOL	ISOL	ISOL	DRY
11. West Uttar Pradesh	DRY	SCT	SCT	ISOL	DRY
12. Uttarakhand	ISOL	FWS	WS	ISOL	ISOL
13. Haryana, Chd & Delhi	DRY	FWS	FWS	DRY	DRY
14. Punjab	ISOL	WS	SCT	DRY	DRY
15. Himachal Pradesh	FWS	WS	FWS	ISOL	ISOL
16. Jammu & Kashmir	WS	WS	SCT	ISOL	SCT
17. West Rajsthan	ISOL	ISOL	DRY	DRY	DRY
18. East Rajasthan	DRY	ISOL	ISOL	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. 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	DRY	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	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

- **04 January (Day 1):** Heavy snowfall very likely at isolated places over Jammu & Kashmir and Himachal Pradesh. Hailstorm very likely at isolated places over Jammu Division, Himachal Pradesh and Uttarakhand. Dense Fog very likely at isolated places over Assam & Meghalaya. Squally winds speed reaching 40-50 Kmph gusting to 60 Kmph very likely over Andaman Sea along & off south Myanmar & Thailand coast. Sea condition is likely to be rough to very rough over these areas. Total suspension of fishing operation over Andaman Sea and adjoining southeast & eastcentral Bay of Bengal.
- **05 January (Day 2):** Heavy snowfall very likely at isolated places over Jammu & Kashmir and Himachal Pradesh. Heavy rainfall very likely at isolated places over Punjab and Haryana, Chandigarh & Delhi. Hailstorm very likely at isolated places over Jammu Division, Punjab, Haryana, Chandigarh & Delhi, Himachal Pradesh, Uttarakhand and West Uttar Pradesh. Squally winds speed reaching 55-65 Kmph gusting to 75 Kmph very likely over Andaman Sea. Sea condition is likely to be very rough to high over this area. Total suspension of fishing operation over Andaman Sea and adjoining southeast & east central Bay of Bengal.
- **06 January (Day 3):** Hailstorm very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh. Dense fog likely at isolated places over Punjab, Haryana, Chandigarh & Delhi and north Rajasthan. Cold wave conditions likely at isolated parts over Gujarat and north Madhya Maharashtra. Strong gusty winds are likely to prevail in some parts of Punjab, north Rajasthan, Haryana and northwest Uttar Pradesh. Squally winds speed reaching 55-65 Kmph gusting to 75 Kmph very likely over Andaman Islands, Andaman Sea and adjoining areas of east central and southeast Bay of Bengal. Sea condition is likely to be very rough to high over these areas. Total suspension of fishing operation over Andaman Sea and adjoining southeast & east central Bay of Bengal.
- **07 January (Day 4):** Dense to very dense fog at few places likely over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan and Uttar Pradesh. Cold wave conditions likely at isolated parts over Gujarat and north Madhya Maharashtra. Squally winds speed reaching 55-65 Kmph gusting to 75 Kmph very likely over Andaman Islands, Andaman Sea and adjoining areas of east central and southeast Bay of Bengal. Sea condition is likely to be very rough to high over these areas. Total suspension of fishing operation over Andaman Sea and adjoining southeast & east central Bay of Bengal.
- **08 January (Day 5):** Dense to very dense fog at few places likely over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh. Dense fog likely at isolated places over north Rajasthan and Bihar. Cold wave conditions likely at isolated pockets over Gujarat, Rajasthan and north Madhya Maharashtra.

Advisory for Fishermen

- As squally winds speed reaching 40-50 Kmph gusting to 60 Kmph very likely over Andaman Sea along & off south Myanmar & Thailand coast on 4th, squally wind speed reaching 55-65 Kmph gusting to 75 Kmph very likely over Andaman Sea on 5th, over Andaman Islands, Andaman Sea and adjoining areas of east central and southeast Bay of Bengal on 6th and 7th January, sea condition is likely to be very rough to high over these areas. **Total suspension of fishing operation over Andaman Sea and adjoining southeast & east central Bay of Bengal.**

Salient Advisories

Cold wave conditions and Advisory

Warning

- Cold wave conditions likely at isolated parts over Gujarat and north Madhya Maharashtra from 6th to 8th and on Rajasthan on 8th January.

Advisory

- In view of expected cold wave conditions in above regions, apply light and frequent irrigation/sprinkler irrigation in the evening to protect the crops from cold injury. To protect from cold winds, cover young fruit plants with straw/polythene sheets/gunny bags. To overcome cold injury and for better nursery growth in rice, adopt the following measures: cover the nursery beds with polythene sheet during night and remove in the morning. Irrigate the nursery beds every day in the evening and let the water out in the morning.

Fog and Advisories

Realized

- Dense to very dense fog observed at isolated places over Uttarakhand, Haryana & Delhi, Uttar Pradesh and Bihar; dense fog observed at isolated places over West Rajasthan; moderate fog at isolated places over Bihar and Coastal Andhra Pradesh. Visibility: Hissar, Palam, Supoul, Bareilly, Pantnagar & Gorakhpur-25 M each; Ganganagar, Bahraich and Safdarjung-50 M each; Sultanpur, Patna, Bhagalpur and Bapatla-500 M each.

Forecast

- Shallow to moderate fog very likely at isolated places in morning hours over northern plains and northeast India during next 4-5 days.

Warning

- Dense fog very likely at few places likely over Punjab, Haryana, Uttar Pradesh, Chandigarh & Delhi on 7th and 8th, Uttar Pradesh on 8th; at isolated places over Assam & Meghalaya on 4th Punjab, Haryana, Chandigarh & Delhi on 6th, north Rajasthan on 6th and 7th and Bihar on 7th January.

Advisory

- Monitor the tomato, potato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

Hailstorm and Advisory

Warning:

- Hail storm very likely at isolated places over Jammu Division, Himachal Pradesh and Uttarakhand on 4th and 5th, over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh on 5th and 6th January. Strong gusty winds are likely to prevail in some parts of Punjab, north Rajasthan, Haryana and northwest Uttar Pradesh on 6th January.

Advisory:

- Use hail net for orchard crops to protect from mechanical damage. Provide support to young fruit plants and staking in vegetables to prevent the crops from lodging due to strong winds and keep cattle indoor.

Rain/snowfall and Advisory

Warning

- Heavy snowfall very likely at isolated places over Jammu & Kashmir and Himachal Pradesh on 4th and 5th, heavy rainfall very likely at isolated places over Punjab and Haryana, Chandigarh & Delhi on 5th January.

Advisory

- Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in crop fields in Jammu & Kashmir and Himachal Pradesh.

State-wise Advisories

Assam

- Complete sowing of wheat. Continue transplanting of the Boro rice seedlings in the main field, which have attained 5-6 leaf stage. Gap filling may be done within 7 to 10 days after transplanting. Keep 5 cm standing water in the rice field. Undertake sowing of okra.

Odisha

- Undertake harvesting of arhar, groundnut & castor and undertake picking of cotton bolls in the morning hours.

Tripura

- Provide light irrigation during afternoon to protect young Boro paddy seedlings from cold injury.
- Provide light irrigation to rabi crops like toria, sesame, lentil, winter vegetables and potato.

Manipur, Mizoram and Meghalaya

- Continue harvesting of low land rice and pulses in Mizoram and *Sali* rice in Meghalaya. Continue sowing of rabi maize in Manipur

Himachal Pradesh

- Monitor mustard crop against attack of white rust. If infection is high, spray Dithane-M-45 @ 2 g/litre of water after current spells of rain.

Punjab & Delhi

- In Delhi, continue planting of winter sugarcane at optimum soil moisture for better seed germination. Continue transplanting of onion, cauliflower, cabbage, broccoli and tomato. Continue sowing of spinach, coriander, fenugreek.
- In Punjab, existing low temperatures continuously in past two weeks may lead to white rust infection in mustard, spray Dithane-M-45 @ 2 gr/litre of water or Chlorothalonil 75 WP @ 1 g/litre of water. For control of late blight of potato, spray Indofil M-45/Markzeb/Kavach @ 500-700 g in 250-350 litres of water per acre after current spells of rain.

Rajasthan

- In Sub Humid Southern Plain and Aravali Hill Zone, due to cold waves and fall in temperature frost may occur. So, arrange for smoking during night at northwest direction of the field and apply irrigation in field crops. **Gujarat**
- In North Gujarat, Middle Gujarat under cold and dry weather condition, apply irrigation in potato, wheat (at CRI stage), mustard, lemon and vegetable crops as per need. Carry out the intercultural operations in cumin, potato, castor, mustard, amaranth and fennel crops. Continue picking of matured cotton bolls.
- In North Gujarat, there are chances of blight disease in the potato crop; to control, spray Mencozeb 0.2% @ 30 g and 25 ml of concentrated desi soap solution in 10 litre of water. Spray additional three doses at the interval of 10 days.

West Bengal

- In Sub-Himalayan West Bengal, continue planting of potato. Continue harvesting Mandarin orange fruits as per the elevation. As night temperature are low, apply water to the paddy nursery at evening and drain it out in the morning.
- In Gangetic West Bengal, to protect rice seedlings from cold, cover Boro paddy nursery bed with polythene. Keep stagnant water in the nursery bed especially in the night time. Give light irrigation to wheat and potato crops.

Maharashtra

- In Madhya Maharashtra, Marathwada and West Vidarbha, continue picking of cotton.
- Continue harvesting and threshing of matured pigeon pea crop in Marathwada.
- In East Vidarbha, undertake transplanting of 22-25 days old summer rice.

Jharkhand

- Raise nursery of summer rice and undertake sowing of summer maize. Continue sowing of improved varieties of garden pea. Carry out transplanting of onion. Sow the seeds of cucurbitaceous plants in polythene filled with soil and FYM and keep it at warmer place. Irrigate potato field at an interval of 7-10 days. Harvest the timely sown rapeseed crop when siliqua turns into bright yellow colour. Sun-dry the harvested crop for 2-3 days before threshing.

Andhra Pradesh and Telangana

- Weather is congenial for incidence of Fall army worm on maize. For control use Poison baiting with Rice bran @ 10 kg + Jaggery @ 2 kg + Thiomethaxom @ 100 g per acre or spray Emamectin Benzoate 5 s.d @80 grams per 200 liters of water.

Tripura:

- Continue nursery sowing of *Boro* rice. Provide light irrigation during afternoon to protect young seedlings of *Boro* rice from cold injury.