

Advisory for DD Kisan dated 18.12.18
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- The well marked low pressure area over northwest & adjoining westcentral Bay of Bengal and adjoining Odisha has weakened into a low pressure area and lies over northwest Bay of Bengal & adjoining coastal Odisha. Associated cyclonic circulation extends upto 1.5 km above mean sea level. As the cloud mass and divergence field move over to northeastern states and the system likely to weaken further, leading to significant reduction in rainfall activity over East India during next 12 hours.
- However, rainfall likely at most places over northeastern states with isolated heavy falls over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 24 hours and decrease significantly thereafter.
- The feeble western disturbance lies as cyclonic circulation at 3.1 km above mean sea level over Jammu & Kashmir and neighbourhood. Under its influence, isolated rain/snow likely over high reaches of Jammu & Kashmir during next 24 hours.

Realised Rainfall

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

- Rain/thundershower observed at most places over Coastal Andhra Pradesh, Telangana, Odisha, West Bengal & Sikkim, Jharkhand, Chhattisgarh, Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Andaman & Nicobar Islands; at many places over East Madhya Pradesh, Vidarbha, Arunachal Pradesh and at isolated places over East Uttar Pradesh.

5 Day Rainfall Forecast (Mid-day) 18th December 2018

Met-Sub-Division	18-Dec Today	19Dec Wed	20Dec Thu	21Dec Fri	22Dec Sat
1. Andaman & Nicobar Islands	FWS	FWS	SCT	SCT	SCT
2. Arunachal Pradesh	WS	ISOL	DRY	DRY	DRY
3. Assam & Meghalaya	WS	ISOL	DRY	DRY	DRY
4. N. M. M. & T.	WS	ISOL	DRY	DRY	DRY
5. S.H. West Bengal & Sikkim	SCT	ISOL	DRY	DRY	DRY
6. Gangetic West Bengal	FWS	DRY	DRY	DRY	DRY
7. Odisha	FWS	DRY	DRY	DRY	DRY
8. Jharkhand	SCT	DRY	DRY	DRY	DRY
9. Bihar	SCT	DRY	DRY	DRY	DRY
10. East Uttar Pradesh	ISOL	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	DRY
16. Jammu & Kashmir	ISOL	DRY	DRY	DRY	DRY
17. West Rajasthan	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	ISOL	DRY	DRY	DRY	DRY
27. Chhattisgarh	ISOL	DRY	DRY	DRY	DRY
28. Coastal Andhra Pradesh	ISOL	ISOL	DRY	DRY	ISOL
29. Telangana	ISOL	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	ISOL
31. Tamilnadu & Puducherry	DRY	DRY	ISOL	SCT	FWS
32. Coastal Karnataka	DRY	DRY	DRY	DRY	ISOL
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	DRY	DRY	DRY	ISOL	SCT
35. Kerala	DRY	DRY	ISOL	ISOL	SCT
36. Lakshadweep	DRY	DRY	DRY	DRY	ISOL

% 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

- 18 December (Day 1):** Dense fog at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh and Chhattisgarh. Shallow to moderate fog at isolated places over Bihar, West Bengal & Sikkim and Odisha. Cold wave condition is very likely at a few places with severe cold wave at isolated places over Punjab and Rajasthan. Cold wave condition is very likely at isolated places over Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh, north Gujarat Region and Saurashtra & Kutch and lower regions of Himachal Pradesh and Uttarakhand. Cold day condition is very likely at isolated places over West Madhya Pradesh and parts of northwest India. Ground frost condition is very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Rajasthan, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh, north Gujarat Region and Saurashtra & Kutch.

Heavy rain at isolated places very likely over Andaman & Nicobar Islands.

Squally wind speed reaching 30-40 kmph gusting to 50 kmph is very likely over northwest Bay of Bengal and along & off north Odisha & West Bengal coasts.

Sea conditions are very likely to be rough over northwest Bay of Bengal.

Fishermen are advised not to venture into these areas.

- **19 December (Day 2):** Dense fog at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh and Chhattisgarh.

Shallow to moderate fog at isolated places over Bihar, West Bengal & Sikkim and Odisha.

Cold wave condition is very likely at a few places with sever cold wave at isolated places over Punjab and Rajasthan.

Cold wave condition is very likely at isolated places over Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh, north Gujarat Region and Saurashtra & Kutch and lower regions of Himachal Pradesh and Uttarakhand.

Cold day condition is very likely at isolated places over West Madhya Pradesh and parts of northwest India.

Ground frost condition is very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Rajasthan, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh, north Gujarat Region and Saurashtra & Kutch.

- **20 December (Day 3):** Dense fog at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh and Chhattisgarh.

Shallow to moderate fog at isolated places over Bihar, West Bengal & Sikkim and Odisha.

Cold wave condition is very likely at a few places with sever cold wave at isolated places over Punjab and Rajasthan.

Cold wave condition is very likely at isolated places over Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh, north Gujarat Region and Saurashtra & Kutch and lower regions of Himachal Pradesh and Uttarakhand.

Cold day condition is very likely at isolated places over West Madhya Pradesh and parts of northwest India.

Ground frost condition is very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Rajasthan, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh, north Gujarat Region and Saurashtra & Kutch.

- **21 December (Day 4):** No weather warning.

- **22 December (Day 5):** Heavy rain at isolated places very likely over Tamilnadu & Pudduchery.

Salient Advisories

For fishermen

Squally wind speed reaching **30-40 kmph gusting to 50 kmph** is very likely over northwest Bay of Bengal and along & off north Odisha & West Bengal coasts. During next 24 hours, sea conditions are very likely to be rough over northwest Bay of Bengal.

Fishermen are advised not to venture into these areas.

Cold wave conditions and Advisory

Warning

Cold wave condition is very likely at a few places with severe cold wave at isolated places over Punjab and Rajasthan during 18th and 20th December.

Cold wave condition is very likely at isolated places over Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh, north Gujarat Region and Saurashtra & Kutch and lower regions of Himachal Pradesh and Uttarakhand during next 3 days.

Cold day condition is very likely at isolated places over West Madhya Pradesh and parts of northwest India during next 3 days.

Ground frost condition is very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Rajasthan, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh, north Gujarat Region and Saurashtra & Kutch during next 3 days .

Advisory

- In view of expected cold wave conditions/ ground frost in above regions, farmers are advised to apply light & frequent irrigation in standing *rabi* pulses & vegetables, in the evening/ night hours from frost / cold injury. Apply mulch with crop residue/trash/ polythene. To protect young fruit plants from chilly winds, cover young fruit plants with straw/polythene sheets/ gunny bags.

Fog and Advisories

Realised

- Moderate fog observed at isolated places over West Uttar Pradesh in the morning hours.

Forecast

- **Shallow to moderate fog** at isolated places in morning hours very likely over parts of northwest and east India during next 3 days.

Warning

- Dense fog at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh and Chhattisgarh during next 3 days.
Shallow to moderate fog at isolated places over Bihar, West Bengal & Sikkim and Odisha during next 3 days.

Advisory

- Monitor the standing crops for incidence and spread of pest diseases, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake appropriate plant protection measures.

State-wise Advisories

Assam and Arunachal Pradesh

- In Assam, continue nursery bed preparation/sowing of Boro rice, keep harvested Sali rice in safer place. In potato undertake mulching practices with water hyacinth or rice straw, in order to conserve the anticipated rainfall and maintain optimum soil moisture thereby obtain quality tubers.
- In Arunachal Pradesh, complete harvesting of *kharif* rice at the earliest. Complete sowing of mustard, pea/gram in rice fallow and transplanting of rabi vegetables

Jammu & Kashmir

- In Intermediate Zone, continue sowing of late sown varieties of wheat.

Punjab & Delhi

- In Punjab, complete sowing of raya and wheat. Continue harvesting of matured maize, green gram. Continue planting of early varieties of potato and pea, early varieties of sugarcane. Provide polythene sheet/Sarkanda/Kahi/ rice straw to save the plants from frost.
- In Delhi, to control late blight in potato, spray Mancozeb @ 2 g/litre of water along with Tepol (sticky material) in the seed potato crop.

Gujarat

- In Middle Gujarat zone, undertake late sowing of wheat, picking of matured bolls of cotton at morning time.
- In North Gujarat Zone, continue picking of matured bolls of cotton. Apply irrigation to wheat, mustard and vegetable crops.

Maharashtra

- In Konkan region, continue preparatory tillage operations for *rabi* groundnut. Complete nursery bed preparation for *rabi* rice before 20th December, apply protective irrigation to orchards and vegetables.
- In Madhya Maharashtra region, apply irrigation to 18 to 21 days old wheat crop, vegetables and orchards, Complete harvesting of matured *kharif* rice and continue picking of cotton in Nashik Ahmednagar, Dhule, Nandurbar districts.
- In Marathwada, continue picking of cotton, Undertake harvesting and threshing of mature pigeonpea crop. apply irrigation to *rabi* groundnut, banana plantations and grape vines.
- In West Vidarbha, continue picking of cotton. In East Vidarbha, Undertake nursery sowing of summer rice

Karnataka

- In North East Transition Zone, apply protective irrigation in wheat, sugarcane, Bengal gram and pigeon pea.
- In North Dry Zone, undertake sowing of Diccum wheat, apply irrigation to *rabi* crops.

- In Southern Transition Zone undertake sowing of short duration pulses like Horse gram and black gram, undertake harvesting of matured rice and ragi.

Andhra Pradesh

- In Krishna Godavari Zone, continue sowing of rabi groundnut and Drain out the excess water from the field
- In High Altitude Zone, undertake harvesting of matured rice after current spells of heavy rain.
- In Scarce Rainfall Zone of Rayalaseema, complete sowing of rabi Groundnut.
- In North Coastal Zone Drain out excess water from the crop fields.

Telangana

- In Northern Telangana Zone, in sorghum, to control Stem borer, apply Carbofuran 3 G @ 3 kg/acre.