

Advisory for DD Kisan dated 14.12.18
(Agromet Advisories mentioned in the inputs are prepared
by different Agromet Field Units in the country)

Significant Weather Features

Deep depression

- The deep depression over southeast Bay of Bengal moved further north-northwestwards with speed of 12 kmph during past 6 hours and lay centered at 0830 hrs IST of today, the 14th December 2018 over southeast Bay of Bengal near Latitude 8.5°N and Longitude 87.4°E, about 670 km east of Trincomalee (Sri Lanka), 930 km east-southeast of Chennai (Tamilnadu) and 1090 km southeast of Machlipatnam (Andhra Pradesh). It is very likely to intensify further into a Cyclonic storm during next 24 hours and into a Severe Cyclonic Storm in subsequent 36 hours. It is very likely to move northnorthwestwards and cross Andhra Pradesh coast between Ongole and Kakinada during 17th December afternoon.
- Light to moderate northerly/northwesterly winds are likely to prevail over parts of northwest India, under this scenario minimum temperature likely to fall by 1-2° C over parts of northwest India during next 48 hours.
- Dense to very dense fog observed at isolated places over Chhattisgarh and shallow to moderate with dense fog observed at isolated places over Haryana, Chandigarh & Delhi in the morning hours.

Realised Rainfall

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

- Rain/snow observed at many places over Jammu & Kashmir and Uttarakhand and at isolated places over Himachal Pradesh; rainfall at isolated places over Andaman & Nicobar Islands, Punjab, Haryana & Delhi, Telangana, North Interior Karnataka, Coastal Andhra Pradesh, Kerala and Tamilnadu.

5 Day Rainfall Forecast (Mid-day) 14th December 2018

Met-Sub-Division	14-Dec Today	15Dec Sat	16Dec Sun	17Dec Mon	18Dec Tue
1. Andaman & Nicobar Islands	FWS	SCT	ISOL	SCT	SCT
2. Arunachal Pradesh	ISOL	DRY	DRY	SCT	FWS
3. Assam & Meghalaya	DRY	DRY	DRY	SCT	FWS
4. N. M. M. & T.	DRY	DRY	DRY	ISOL	FWS
5. S.H. West Bengal & Sikkim	DRY	DRY	DRY	ISOL	SCT
6. Gangetic West Bengal	DRY	DRY	ISOL	SCT	SCT
7. Odisha	DRY	ISOL	SCT	FWS	SCT
8. Jharkhand	DRY	DRY	ISOL	SCT	SCT
9. Bihar	DRY	DRY	DRY	ISOL	ISOL
10. East Uttar Pradesh	DRY	DRY	ISOL	ISOL	ISOL
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 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	ISOL	SCT	ISOL
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	ISOL	DRY	DRY	DRY	DRY
25. Marathwada	DRY	DRY	DRY	DRY	DRY
26. Vidharbha	DRY	DRY	ISOL	SCT	ISOL
27. Chhattisgarh	DRY	DRY	ISOL	FWS	SCT
28. Coastal Andhra Pradesh	ISOL	FWS	WS	WS	SCT
29. Telangana	ISOL	ISOL	ISOL	ISOL	DRY
30. Rayalaseema	DRY	DRY	SCT	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	DRY
32. Coastal Karnataka	DRY	DRY	ISOL	DRY	DRY
33. North Interior Karnataka	ISOL	DRY	DRY	DRY	DRY
34. South Interior Karnataka	DRY	DRY	DRY	DRY	DRY
35. Kerala	ISOL	DRY	DRY	DRY	DRY
36. Lakshadweep	DRY	DRY	DRY	DRY	DRY

% Station Reporting Rainfall

% Stations	Category	% Stations	Category
76-100	Widespread (W2/More Places)	26-50	Scattered (SCT) A Few Places
51-75	Fairly Widespread (FWS) Many Places	1-25	Isolated (ISOL)
No Rain	Dry		

Weather Warning

- 14 December (Day 1):** Dense fog at isolated places is very likely over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Madhya Pradesh and Chhattisgarh. Squally wind very speed reaching 50-60 kmph gusting to 70 kmph very likely over southwest & adjoining southeast Bay of Bengal. Sea condition likely to be very rough over southwest & adjoining southeast Bay of Bengal. Fishermen are advised not to venture into these sea areas.
- 15 December (Day 2):** Dense fog at isolated places is very likely over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Madhya Pradesh, Bihar and Chhattisgarh. Heavy rain at isolated places very likely over Coastal Andhra Pradesh and north coastal Tamilnadu. Gale wind wind speed reaching 60-70 kmph gusting to 80 kmph is very likely over southwest & adjoining westcentral Bay of Bengal from morning onwards. Sea condition likely to be very rough

to high southwest & adjoining westcentral Bay of Bengal. Fishermen are advised not to venture into these areas.

Squally wind speed reaching 45-55 kmph gusting to 65 kmph very likely to commence along & off Coastal Andhra Pradesh and north Tamilnadu & Puducherry from evening onwards.

- **16 December (Day 3):** Dense fog at isolated places is very likely over Punjab, Haryana, Chandigarh & Delhi , West Uttar Pradesh and Bihar.

Heavy to very heavy rain at a few places with isolated extremely heavy fall very likely at isolated places over Coastal Andhra Pradesh and isolated heavy over north coastal Tamilnadu.

Gale wind speed reaching 80-90 kmph gusting to 100 kmph very likely over westcentral and adjoining southwest Bay of Bengal. Sea condition likely to be very high to very high over westcentral & & adjoining southwest Bay of Bengal.

Squally wind speed reaching 45-55 kmph gusting to 65 kmph very likely along & off Coastal Andhra Pradesh and north Tamilnadu & Puducherry coasts. Fishermen are advised not to venture into westcentral & adjoining southwest Bay of Bengal and along & off Coastal Andhra Pradesh and north Tamilnadu & Puducherry coasts.

- **17 December (Day 4):** Heavy to very heavy rain at a few places with isolated extremely heavy fall at isolated places over Coastal Andhra Pradesh and isolated heavy over Chhattisgarh, Odisha. Gale wind speed reaching 80-90 kmph gusting to 100 kmph very likely over westcentral & adjoining southwest Bay of Bengal. Sea condition likely to be high to very high over westcentral & adjoining southwest Bay of Bengal.

Gale wind speed reaching 80-90 kmph gusting to 100 kmph very likely over along & off Coastal Andhra Pradesh from morning hours. Fishermen are advised not to venture into westcentral & adjoining southwest Bay of Bengal and along & off Coastal Andhra Pradesh and north Tamilnadu & Puducherry coasts.

- **18 December (Day 5):** No Weather Warning

Salient Advisories (For fishermen)

Squally wind very speed reaching **50-60 kmph gusting to 70 kmph** very likely over southwest & adjoining southeast Bay of Bengal during next 24 hours and Gale wind wind speed reaching **60-70 kmph gusting to 80 kmph** on 15th Gale wind speed reaching **80-90 kmph gusting to 100 kmph** on 16th and 17th December. Sea condition likely to be very rough over southwest & adjoining southeast Bay of Bengal. Fishermen are advised not to venture into these sea areas.

Squally wind speed reaching **45-55 kmph gusting to 65 kmph** very likely to commence along & off Coastal Andhra Pradesh and north Tamilnadu & Puducherry from evening onwards on 15th and 16th and Gale wind speed reaching **80-90 kmph gusting to 100 kmph** very likely over along & off Coastal Andhra Pradesh from morning hours on 17th Fishermen are advised not to venture into westcentral & adjoining southwest Bay of Bengal and along & off Coastal Andhra Pradesh and north Tamilnadu & Puducherry coasts.

Fog and Advisories

Realised:

- **Dense to very dense fog** observed at isolated places over Chhattisgarh and shallow to moderate with dense fog observed at isolated places over Haryana, Chandigarh & Delhi in the morning hours.

Forecast:

- **Shallow to moderate fog** at isolated places in morning hours very likely over north Bihar, East Madhya Pradesh, Jharkhand, Chhattisgarh and Vidarbha during next 2 days and over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 5 days.

Warning:

- As dense fog at isolated places very likely over **Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh** from 14th to 16th, over **East Madhya Pradesh and Chhattisgarh** on 14th and 15th, over **Bihar** on 15th and 16th December, 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.
- In Delhi, due to foggy weather, there are chances of late blight disease in potato, spray Mancozeb @ 2 g/litre of water along with Tepol (sticky material) in the seed potato crop.

Heavy rainfall and Advisories

- As rain/thundershowers likely at most/many places over Coastal Andhra Pradesh from 15th to 17th, along with heavy to very heavy rain at a few places with isolated extremely heavy fall very likely at isolated places over Coastal Andhra Pradesh on 16th and 17th, heavy rain at isolated places very likely over Coastal Andhra Pradesh on 15th, over north coastal Tamilnadu on 15th and 16th December, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Arrange adequate drainage in standing crop fields to avoid water stagnation.

State-wise Advisories

Assam, Arunachal Pradesh, Meghalaya, Manipur and Meghalaya

- In Assam, complete planting of potato at the earliest, continue sowing of wheat, continue harvesting of Sali rice and nursery bed preparation/sowing of Boro rice. Provide light irrigation on every alternate day for better establishment and smooth growth. Mulching may be done after irrigation.
- 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

- In Meghalaya, complete transplanting of cole crops, cucurbits and sowing of pea. Undertake harvesting of *kharif* rice.
- In Manipur, continue land preparation and sowing of rabi maize.

Punjab, Haryana & 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 Haryana, continue field preparation for sowing of mustard. Continue harvesting of timely sown bajra, guar, green gram, black gram and picking up of matured cotton bolls. Continue sowing of mustard, barley, gram, wheat and oats.
- 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.

Odisha

- Continue harvesting of rice after current spells of rain. Undertake sowing of toria, mustard, linseed, groundnut and sunflower.

Bihar

- As dense fog at isolated places very likely over Bihar on 15th and 16th December, 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.

West Bengal

- In Sub-Himalayan West Bengal, continue land preparation for potato. Continue harvesting, threshing and drying of Aman rice.
- In Gangetic West Bengal, continue nursery sowing of *Boro* rice. Maintain a thin layer of water over the seed bed. If possible, arrange polythene shade over seed bed.

Chhattisgarh

- As rain/thundershowers likely at many places over Chhattisgarh on 17th December, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops.

Madhya Pradesh:

- In East Madhya Pradesh, complete sowing of wheat. Apply first irrigation in wheat crop where it has reached CRI stage.
- In West Madhya Pradesh, undertake sowing of late varieties of wheat. Continue planting of sugarcane and potato. Undertake harvesting of matured pods of green pea.

Gujarat

- North Gujarat Zone, continue picking of matured bolls of cotton. Apply irrigation to wheat, mustard and vegetable crops.

Rajasthan

- In Semi Arid Eastern Plain Zone, Irrigated North Western Plain Zone and Sub Humid Southern Plain and Aravali Hill Zone, undertake late sowing of wheat.
- In Sub Humid Southern Plain and Aravali Hill Zone, continue sowing of wheat and barley.

Uttar Pradesh

- In East Uttar Pradesh, complete sowing of wheat. Apply 1st irrigation in gram, pea, lentil.
- In West Uttar Pradesh, continue sowing of recommended wheat varieties. Apply irrigation in toria, mustard, potato. Continue sowing of recommended varieties of pea, gram, lentil.

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, complete sowing of wheat before 15th December.
- In Marathwada, continue picking of cotton, apply irrigation to wheat, sugarcane and Pomegranate and Sapota orchards .
- In West Vidarbha, continue picking of cotton. In East Vidarbha, Undertake nursery bed preparation for summer rice

Tamil Nadu

- In Cauvery Delta Zone, in *Thaladi* rice to control Gall midge, spray Chlorpyrifos 20 EC@ 500 ml/ acre when rainfall does not occur.
- In High Rainfall Zone, in rice to control Stem borer and Leaf folder spray Chlorantraniliprole @ 0.3 ml/litre or Flubendiamide 0.1ml/litre.

Andhra Pradesh

- In Krishna Godavari Zone, undertake sowing of *rabi* groundnut and pulses after current spells of heavy rain.
- In High Altitude Zone, undertake harvesting of matured rice after current spells of heavy rain.

Telangana

- In South Telangana Zone, complete nursery sowing of rice. In North Telangana Zone, cover entire nursery bed with polythene sheets at night and remove in the morning to avoid the effect of low temperatures on germination. Apply irrigation at bud initiation to flowering stage in red gram..
- In Maize, to control Shoot borer spray Chlorpyrifos @ 2.0 ml or Acephate @ 1.5 g per litre of water at 10-15 days after sowing.