

Advisory for DD Kisan dated 03.05.19
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- The **Extremely Severe Cyclonic Storm 'FANI'** (pronounced as 'FONI') over Northwest & Adjoining Westcentral Bay of Bengal moved north - northeastwards with a speed of about 20 kmph in last 06 hours and lay centred at 0830 hrs IST of 3rd May, 2019 over Northwest Bay of Bengal, near Latitude 19.6°N and Longitude 85.7°E, about 25 Km south-southwest of Puri (Odisha), 90 km east-southeast of Gopalpur (Odisha), about 300 km east-northeast of Vishakhapatnam (Andhra Pradesh) and 330 km southwest of Digha (West Bengal). **Landfall Process of the system has started at 0800 hours IST and the system has crossed the coast close to Puri between 0800 to 100 hours IST of today, the 3rd May 2019. The system is very likely to continue to move north-northeastwards and weaken gradually.**

Realised Weather

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

- **Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today):** at most places over Jammu & Kashmir, Uttarakhand and Andaman & Nicobar islands; at many places over Assam & Meghalaya, Arunachal Pradesh and West Bengal & Sikkim; at a few places over Nagaland, Manipur, Mizoram & Tripura, Punjab and Haryana, Chandigarh & Delhi and at isolated places over West Uttar Pradesh.
- Yesterday, heat wave conditions were observed over isolated pockets of Vidarbha and East Uttar Pradesh.
- **Very heavy to heavy rainfall** is observed at a few places over Odisha and at isolated places over Coastal Andhra Pradesh.
- **Thunderstorms** observed at isolated places over West Uttar Pradesh and Gangetic West Bengal from 0530 hours IST to 0830 hours IST of today.
- **Maximum temperature departures as on 02-05-2019:** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Nagaland, Manipur, Mizoram & Tripura; at many places over Tamil Nadu & Puducherry; above normal (1.6°C to 3.0°C) at most places over East Uttar Pradesh and Telangana; at many places over East Madhya Pradesh and Assam & Meghalaya; at a few places over Haryana, Chandigarh & Delhi, Vidarbha and Konkan & Goa; at isolated places over Uttarakhand, East Rajasthan, Saurashtra & Kutch, West Bengal & Sikkim and Andaman & Nicobar islands.
- The **highest maximum temperature of 46.4°C** is recorded at **Brahmapuri (Vidarbha).**

Weather Forecast for next 5 days upto 0830 hours IST 7th May 2019

- Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- No significant change in maximum temperatures likely over most parts of the country during next 2-3 days.

Table 1
5 Day Rainfall Forecast (MID-DAY)

03-May-2019

Met-Sub-Division	03-May Today	04May Sat	05May Sun	06May Mon	07May Tue
1. Andaman & Nicobar Islands	SCT	SCT	SCT	SCT	SCT
2. Arunachal Pradesh	WS	WS	WS	WS	FWS
3. Assam & Meghalaya	WS	WS	WS	WS	FWS
4. N. M. M. & T.	SCT	FWS	WS	WS	SCT
5. S.H. West Bengal & Sikk m	WS	WS	FWS	SCT	SCT
6. Gangetic West Bengal	WS	WS	ISOL	DRY	DRY
7. Odisha	WS	SCT	ISOL	DRY	DRY
8. Jharkhand	WS	SCT	ISOL	DRY	DRY
9. Bihar	SCT	SCT	ISOL	DRY	DRY
10. East Uttar Pradesh	FWS	ISOL	DRY	DRY	DRY
11. West Uttar Pradesh	SCT	ISOL	DRY	DRY	DRY
12. Uttarakhand	FWS	ISOL	DRY	DRY	DRY
13. Haryana, Chd & Delhi	ISOL	DRY	DRY	DRY	DRY
14. Punjab	ISOL	DRY	DRY	DRY	DRY
15. Himachal Pradesh	SCT	ISOL	DRY	DRY	DRY
16. Jammu & Kashmir	SCT	ISOL	ISOL	DRY	DRY
17. West Rajasthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	ISOL	DRY	DRY	DRY	DRY
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	ISOL	DRY	DRY	DRY	DRY
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	ISOL	ISOL	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	ISOL	DRY	DRY	DRY	DRY
28. Coastal Andhra Pradesh	ISOL	DRY	DRY	DRY	ISOL
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	DRY	DRY	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	DRY
35. Kerala	ISOL	ISOL	ISOL	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

- **03 May (Day 1): Gale wind speed reaching 170-180 kmph gusting to 200 kmph** is very likely along & off Puri & Jagatsinghpur districts of Odisha. **Gale wind speed reaching 150-160 kmph gusting 180 kmph** very likely along & off remaining districts of coastal Odisha and north Andhra Pradesh. **Squally wind speed reaching 40-50 kmph gusting 60 kmph** is very likely along & off West Bengal coast during next 12 hours. It is very likely to become **gale wind speed reaching 60-70 kmph gusting to 85 kmph** from the afternoon. Sea conditions very likely to be phenomenal over northwest & adjoining west central Bay of Bengal, off north Andhra Pradesh and south

Odisha coast during next 03 hours and it is very likely to become **high to very high** subsequently. Fishermen are advised not to venture into these areas.

Thunderstorm accompanied with squall (wind reaching 50-60 kmph) very likely over East Uttar Pradesh. **Thunderstorm accompanied with squally (wind reaching 40-50 kmph)** very likely over Himachal Pradesh and Uttarakhand. **Thunderstorm & lightning accompanied with gusty wind (40-50 kmph)** at isolated places very likely over West Uttar Pradesh. **Thunderstorm & lightning accompanied with gusty wind (30-40 kmph)** at isolated places over Punjab, Haryana, Chandigarh & Delhi, East Madhya Pradesh, Chhattisgarh, Bihar and Sub-Himalayan West Bengal & Sikkim. **Duststorm/thunderstorm accompanied with lightning & gusty wind (30-40 kmph)** at isolated places very likely over East Rajasthan.

Heavy to very heavy rain at a few places with extremely heavy falls at isolated places very likely over coastal Odisha & adjoining districts of Interior Odisha , coastal & adjoining districts of West Bengal; **heavy to very heavy rain** at isolated places very likely over North coastal Andhra Pradesh, Assam & Meghalaya; heavy rainfall at isolated places very likely over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim.

Heat Wave Conditions in isolated pockets very likely over Vidarbha, Coastal Andhra Pradesh, Rayalaseema and Tamilnadu.

- **04 May (Day 2): Gale wind, speed reaching 90-100 kmph gusting to 115 kmph** very likely to prevail along & off West Bengal coast. for about 12 hours and decrease thereafter. **Sea conditions** likely to be very rough to high over northwest Bay of Bengal , along & off Odisha and West Bengal coasts. Fishermen are advised not to venture into these areas.

Strong surface winds (speed reaching 30-40 kmph) likely to prevail over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

Heavy to very heavy rainfall and extremely heavy fall at isolated places very likely over Assam & Meghalaya; **heavy to very heavy rain** very likely at isolated places over Odisha, Gangetic West Bengal and Arunachal Pradesh and heavy rainfall at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura.

Heat Wave Conditions in isolated pockets very likely over Vidarbha, Coastal Andhra Pradesh, Rayalaseema and Tamilnadu.

- **05 May (Day 3): Strong surface winds speed reaching 30-40 kmph** likely to prevail over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

Thunderstorm & lightning accompanied with gusty wind (30-40 kmph) at isolated places over Tamilnadu & Puducherry.

Heavy to very heavy rain very likely at isolated places over Assam & Meghalaya and Arunachal Pradesh.

Heat Wave Conditions very likely in some parts over Vidarbha and at isolated pockets over Madhya Pradesh.

- **06 May (Day 4): Heat Wave Conditions** very likely in some parts over Vidarbha and at isolated pockets over Madhya Pradesh.

- **07 May (Day 5): Thunderstorm & lightning accompanied with gusty wind (30-40 kmph)** at isolated places over Tamilnadu & Puducherry.

Heat Wave Conditions in some parts likely over Vidarbha and in isolated pockets over Madhya Pradesh.

Salient Advisories

Heat wave

Warning

03.05.2019	Heat Wave Conditions in isolated pockets very likely over Vidarbha, Coastal Andhra Pradesh, Rayalaseema and Tamilnadu.
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Advisory

In above regions, apply light and frequent irrigation to the standing crops to cope up with the excess evaporative demand due to high temperature; mulching with straw to conserve soil moisture. Provide shade for protection of young fruit plants from scorching sun

Strong / Squally / Gale wind /Gusty winds/Thunderstorm/Squall (due to Very Severe Cyclonic Storm 'FANI')

Warning

Strong / Squally / Gale wind

03.05.2019	Gale wind speed reaching 170-180 kmph gusting to 200 kmph is very likely along & off Puri & Jagatsinghpur districts of Odisha. Gale wind speed reaching 150-160 kmph gusting 180 kmph very likely along & off remaining districts of coastal Odisha and north Andhra Pradesh. Squally wind speed reaching 40-50 kmph gusting 60 kmph is very likely along & off West Bengal coast during next 12 hours. It is very likely to become gale wind speed reaching 60-70 kmph gusting to 85 kmph from the afternoon. Sea conditions very likely to be phenomenal over northwest & adjoining west central Bay of Bengal, off north Andhra Pradesh and south Odisha coast during next 03 hours and it is very likely to become high to very high subsequently. Fishermen are advised not to venture into these areas.
04.05.2019	Gale wind, speed reaching 90-100 kmph gusting to 115 kmph very likely to prevail along & off West Bengal coast. for about 12 hours and decrease thereafter. Sea conditions likely to be very rough to high over northwest Bay of Bengal , along & off Odisha and West Bengal coasts. Fishermen are advised not to venture into these areas. Strong surface winds (speed reaching 30-40 kmph) likely to prevail over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

05.05.2019	Strong surface winds speed reaching 30-40 kmph likely to prevail over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
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Thunderstorm/Duststorm accompanied with squall, gusty winds and lightning

03.05.2019	Thunderstorm accompanied with squall (wind reaching 50-60 kmph) very likely over East Uttar Pradesh. Thunderstorm accompanied with squally (wind reaching 40-50 kmph) very likely over Himachal Pradesh and Uttarakhand. Thunderstorm & lightning accompanied with gusty wind (40-50 kmph) at isolated places very likely over West Uttar Pradesh. Thunderstorm & lightning accompanied with gusty wind (30-40 kmph) at isolated places over Punjab, Haryana, Chandigarh & Delhi, East Madhya Pradesh, Chhattisgarh, Bihar and Sub-Himalayan West Bengal & Sikkim. Duststorm/thunderstorm accompanied with lightning & gusty wind (30-40 kmph) at isolated places very likely over East Rajasthan.
05.05.2019	Thunderstorm & lightning accompanied with gusty wind (30-40 kmph) at isolated places over Tamilnadu & Puducherry
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Heavy rainfall

Warning

03.05.2019	Heavy to very heavy rain at a few places with extremely heavy falls at isolated places very likely over coastal Odisha & adjoining districts of Interior Odisha , coastal & adjoining districts of West Bengal; heavy to very heavy rain at isolated places very likely over North coastal Andhra Pradesh, Assam & Meghalaya; heavy rainfall at isolated places very likely over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim.
04.05.2019	Heavy to very heavy rainfall and extremely heavy fall at isolated places very likely over Assam & Meghalaya; heavy to very heavy rain very likely at isolated places over Odisha, Gangetic West Bengal and Arunachal Pradesh and heavy rainfall at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura.
05.05.2019	Heavy to very heavy rain very likely at isolated places over Assam & Meghalaya and Arunachal Pradesh.

**Special Advisories for the states effected by cyclone “Fani”
(Odisha, West Bengal, North Coastal Andhra Pradesh, Assam, Arunachal Pradesh, Meghalaya)**

Odisha

- Provide extensive drainage facilities to remove the standing water in the crop fields.
- After receding of rain water straighten the crops and apply the fertilizers (Urea) to rejuvenate crop growth.

West Bengal

- Harvest paddy (at 80% maturity level), Store it as early as possible and take help of combined harvester machine to hasten the process of paddy harvesting.
- Prepare structure of drainage.
- Vegetable farmers are advised to strengthen their ‘macha’.

ASSAM

- Do not go for top-dressing of fertilizers and spraying of pesticides in the coming 5 days.
- Harvest matured vegetables and fruits as early as possible.
- Make necessary arrangement to drain out the excess water from the orchards.
- Provide mechanical support to banana, citrus, papaya etc. to protect them from lodging due to strong winds.
- Provide staking of banana plants with bamboo poles, citrus, papaya etc. to protect them from lodging due to strong winds.
- Make necessary arrangements for draining out excess water from the crop fields of vegetables, ginger, turmeric, early sown jute and orchids etc. They are also advised not to allow water stagnation near and above the root zone of beetle vine.

North Coastal Andhra Pradesh

- Drain out excess water from the rice field which is at grain hardening stage. Spray 5 % salt solution on harvested sheaves if any. Lift and tie of 2 - 3 hills where the crop is lodged.
- Drain out excess water from Sugarcane and apply urea @ 50 kg urea/ac after receding of water.
- Drain out excess water from the fields of maize, ragi, sunnhemp which are at harvesting to threshing stage.
- Spray Carbendazim+Mancozeb @ 2g/litre after cyclonic rains on Mango to control fruit rot.
- Drain out excess water from papaya fields followed by drenching with Metalaxyl @ 2 g/litre after cyclonic rains.

Arunachal Pradesh

- Make proper arrangement of drainage in kharif rice field/nursery. Avoid sowing in the rice nursery. Avoid transplanting ready seedling.
- Make proper arrangement to avoid run-off in Jhum rice fields. Avoid sowing till the rain subsides. Make proper arrangement to prevent soil erosion.
- Avoid sowing during rain for all gourd, pumpkin, cucumber.
- Provide support to standing vegetable crops. Mulch the base of plant with locally available crop residue or straw to avoid direct impact of heavy rain.
- Provide proper support to the Banana tree with bamboo or wooden post to prevent lodging due to heavy rain.

Meghalaya

- Stop normal agricultural operations like ploughing, sowing/transplanting, application of chemicals etc. at the time of cyclone/heavy rain occurrence.
- In case of cyclone provide field drainage, staking and propping of plantation crops.
- Provide surface drainage in the field crops/vegetables/fruit crop fields at the earliest possible.
- After heavy rainfall is over apply hormones/nutrient sprays to prevent flower drop or promote quick flowering/fruitletting in fruit and vegetable crops
- If crop is at maturity stage, harvest the crop/mature fruits immediately.

- Remove the dead plants and do necessary gap filling to maintain healthy plant population.
- Carry out weeding as required and apply foliar spray of 1% KNO₃ or water soluble fertilizers like 19-19-19, 20-20-20, 21-21-21 at 1% to support rejuvenation and optimum plant nutrition.
- If flood occurs and sand is deposited in the crop field, try to remove sand at the earliest, replough and do re-sowing of crops.
- In case of flood damaged rice crop do re-transplanting in damaged fields and transplanting new areas or direct seeding depending on seed availability.
- Under hailstorm damage in mango Spray potassium nitrate @ 1% to arrest flower and fruit drop.
- In banana affected by hail/cyclone, if fruits are matured enough, cut the bunch and sale at the earliest. In less matured crops, heavily prune the damaged leaves.
- Cyclone affected broken and damaged branched of mango may be pruned and applied with 1% Bordeaux paste.

State-wise Advisories

Uttarakhand Uttar Pradesh

- In Uttar Pradesh, complete harvesting of wheat and barley.
- In Bhabar and Tarai Zone of Uttarakhand, continue harvesting of wheat and pulses and continue sowing of French beans.

Punjab Haryana and New Delhi

- In Western zone of Punjab, undertake sowing of cotton including Bt cotton or desi Cotton
- In Undulating Plain Zone and Sub-Montane Undulating Zone of Punjab continue harvesting of matured wheat and oilseeds.
- In Delhi, continue sowing of fodder crops (guar, maize, bajra) , continue field preparation for sowing of pigeon pea and cotton.

Maharashtra

- In Konkan region complete harvesting of rice and continue harvesting of early sown groundnut.
- In Madhya Maharashtra, undertake harvesting of groundnut. To reduce evapotranspiration spray 8 % Kaolin in sugarcane fields and orchards.
- In Vidarbha, in view of heat wave conditions, apply light and frequent irrigation to standing crops, vegetables and orchards. Provide shade for protection of young fruit plants from scorching sun.

Bihar and Jharkhand

- In Central & North Eastern Plateau Zone of Jharkhand, undertake sowing of ginger and turmeric.
- In South Eastern Plateau Zone of Jharkhand, undertake harvesting of spring mung.
- In Western Plateau Zone of Jharkhand, continue sowing of improved varieties of summer cowpea, ginger, turmeric and elephant foot yam. Undertake sowing of green manure crops like Sunhamp and Dhanicha.

Telangana

- In southern Telangana, the prevailing weather conditions are congenial for incidence of sucking pests in vegetables. To control, spray Fipronil @ 2ml or Thiomethoxim @ 0.3g per litre of water.
- In Northern Telangana, continue harvesting of rice when at least 80% of the grains are matured and Sesame when 75% capsules turn yellow in a spike.
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Tamilnadu

- In Western Zone, rainfall along with high wind speed may cause lodging. Hence, propping may be given to banana of more than 5 months old against lodging. Also, this is the best time for preparation of land for Turmeric planting.
- In North Western Zone, apply urea @ 43.4 kg / acre and potash @ 83.5 kg / acre as soil application by using the realised rainfall to improve the yield of tapioca under rain fed condition.
- In High Altitude Hilly Zone, to prevent collar rot disease in beans, soil drenching with copper oxy chloride 1 g/lit of water may be followed