

Advisory for DD Kisan dated 15.03.19
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- Yesterday, fairly widespread to widespread rain/snow occurred over Western Himalayan Region (WHR) and isolated to scattered rain/thundershowers over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan and Uttar Pradesh. The rainfall activity is likely to reduce significantly from today, with the weakening and eastward movement of the Western Disturbance (WD) from the region. A fresh spell of enhanced rain/snow is likely over WHR on 19th & 20th March in association with another WD.
- The wind confluence zone in the lower levels and conducive upper level features are likely to cause isolated to scattered/fairly widespread rainfall over Jharkhand, Gangetic West Bengal and adjoining areas of Odisha & Bihar during next 24 hours.
- Isolated thundersqualls and lightning are also likely over these regions during this period. The activity is likely to decrease slightly on 16th over these regions to be followed by an increase on 17th & 18th March.
- Isolated to scattered Rain/thundershowers are likely over Northeast India during next 5 days with a likely increase in spatial distribution during the last two days. Isolated thunderstorms, gusty winds and lightning are likely to occur over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 3 days.

Realised Rainfall / Snow

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

- **Rain/snow observed (from 0830 hours IST of yesterday to 0830 hours IST of today):** at most places over Uttarakhand; at a few places over Jammu & Kashmir and Himachal Pradesh.
- **Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today):** at many places over Haryana, Chandigarh & Delhi; at a few places over Arunachal Pradesh, Punjab, East Uttar Pradesh, Odisha and Gangetic West Bengal; at isolated places over Assam & Meghalaya, Rajasthan, Madhya Pradesh, Bihar and Chhattisgarh.

Weather Forecast for next 5 days upto 0830 hours IST 19th March 2019

- Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- Maximum temperatures likely to rise gradually by 3-4°C over Northwest India during next 4 days. No significant change in maximum & minimum temperatures likely over major parts of the country during next 48 hours.

Table- 1

5 Day Rainfall Forecast (MID-DAY)
15-March-2019

Met-Sub-Division	15-Mar Today	16Mar Sat	17Mar Sun	18Mar Mon	19Mar Tue
1. Andaman & Nicobar Islands	DRY	ISOL	ISOL	ISOL	ISOL
2. Arunachal Pradesh	FWS	SCT	SCT	FWS	FWS
3. Assam & Meghalaya	ISOL	ISOL	ISOL	FWS	FWS
4. N. M. M. & T.	ISOL	ISOL	ISOL	FWS	FWS
5. S.H. West Bengal & Sikkim	ISOL	DRY	ISOL	ISOL	ISOL
6. Gangetic West Bengal	SCT	ISOL	SCT	ISOL	ISOL
7. Odisha	SCT	ISOL	FWS	SCT	ISOL
8. Jharkhand	SCT	ISOL	FWS	SCT	ISOL
9. Bihar	ISOL	DRY	ISOL	ISOL	DRY
10. East Uttar Pradesh	ISOL	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	ISOL	DRY	ISOL	DRY	ISOL
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	ISOL
14. Punjab	DRY	DRY	DRY	DRY	SCT
15. Himachal Pradesh	ISOL	DRY	ISOL	ISOL	FWS
16. Jammu & Kashmir	ISOL	DRY	ISOL	ISOL	FWS
17. West Rajsthan	DRY	DRY	DRY	ISOL	ISOL
18. East Rajasthan	DRY	DRY	DRY	DRY	ISOL
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	ISOL	ISOL	SCT	ISOL	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	ISOL	DRY	DRY
26. Vidharbha	ISOL	ISOL	SCT	ISOL	DRY
27. Chhattisgarh	ISOL	ISOL	SCT	ISOL	DRY
28. Coastal Andhra Pradesh	DRY	DRY	ISOL	ISOL	DRY
29. Telangana	DRY	DRY	ISOL	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	DRY	DRY	DRY	ISOL	ISOL
36. Lakshadweep	DRY	DRY	DRY	DRY	DRY

% Station Reporting Rainfall

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

Weather Warning

- **15 March (Day 1):** Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over East Madhya Pradesh, Chhattisgarh, Jharkhand, Gangetic West Bengal, Odisha, Arunachal Pradesh.
- **16 March (Day 2):** Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **17 March (Day 3):** Thundersquall accompanied with lightning at isolated places very likely

over Jharkhand, Gangetic West Bengal and Odisha.

Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh.

Heavy rain at isolated places very likely over Odisha.

- **18 March (Day 4):** Thunderstorm accompanied with lightning & gusty winds at isolated places likely over Chhattisgarh, Jharkhand, West Bengal & Sikkim, Odisha, Kerala and Coastal Andhra Pradesh.
- **19 March (Day 5):** Thunderstorm accompanied with hailstorm, lightning & gusty winds at isolated places likely over Jammu & Kashmir and Himachal Pradesh.

Salient Advisories

Thunderstorm/Hailstorm/Thundersquall and advisory

Warning

- Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Chhattisgarh during next 3 days, over East Madhya Pradesh during next 2 days and over Arunachal Pradesh on 15th, over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 16th & 17th.
- Thunderstorm accompanied with lightning & gusty winds at isolated places very likely on 15th, Thundersquall accompanied with lightning on 16th and Thundersquall accompanied with lightning on 17th & 18th over Jharkhand, Gangetic West Bengal, Odisha.
- Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Vidarbha on 17th, Kerala on 18th, Coastal Andhra Pradesh on 17th & 18th and Jammu & Kashmir and Himachal Pradesh on 19th March.

Advisory

- In the above mentioned regions, use hail net for orchard crops to protect from mechanical damage and provide support to young fruit plants and staking in vegetables to prevent the crops from lodging due to strong winds. Postpone application of plant protection measures and fertilizers to the standing crops during gusty wind.

Heavy Rainfall

Warning

Heavy rain at isolated places very likely over Odisha on 17th March.

Advisory

In Odisha, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops.

Salient Advisories

Assam, Arunachal Pradesh, Mizoram and Manipur

- In Assam, undertake land preparation for sowing of *Bau* rice, direct seeded *ahu* rice , nursery sowing of early *ahu* rice. Also continue sowing of green gram and black gram.
- In Lower Brahmaputra valley zone undertake Land preparation for Planting of Sugarcane
- In Nagaland, undertake land preparation and sowing maize and summer and cucurbitaceous vegetables.
- In Manipur continue harvesting of mustard and pulses. Continue transplanting of *pre - kharif* rice.
- In Mizoram undertake harvesting of rabi maize.
- In Arunachal Pradesh, undertake sowing of soyabean, Black gram and also harvest the toria / mustard and vegetables.

Jammu & Kashmir

- In Valley Temperate Zone of Jammu & Kashmir, Weeding followed by hoeing should be done in Rabi crops.
- Farmers of sub-temperate and temperate areas are advised to continue planting of new orchards of stone fruits, nuts and apples in their proposed orchards.

Madhya Pradesh and Chhattisgarh

- In West Madhya Pradesh, undertake land preparation of groundnut, green gram and black gram. Continue harvesting of matured wheat and gram.
- In Chhattisgarh, complete the transplanting of summer rice by end of March with assured irrigation.

Gujarat

- In Saurashtra& Kutch, continue sowing of summer groundnut and sesame crops.
- In North Gujarat, continue land preparation and sowing of summer groundnut, pearl millet and sesame. Continue harvesting of matured castor capsules, gram and cumin crops.
- In Middle Gujarat, continue land preparation and undertake sowing of sesame. Continue harvesting of matured wheat, mustard and castor capsules.

Maharashtra

- In Konkan, apply irrigation to vegetable crops and orchards.
- In Madhya Maharashtra, continue harvesting of matured wheat.
- In Marathwada, continue harvesting and threshing of wheat and safflower. Undertake mulching with dried leaves in sugarcane fields.
- In Vidarbha, continue harvesting of early sown matured wheat and matured safflower.

Punjab , Haryana and Delhi

- In Punjab, optimum time for the sowing of sugarcane for mid season and late maturing varieties. Undertake sowing of early summer and multicut fodder crops such as maize, bajra and sorghum.
- In Delhi, undertake sowing of fodder maize (Variety – African Tall) and lobia.
- In Haryana, prevailing warm weather condition monitor for pod borer in the gram. If observed spray 400 ml quinalphos 25 EC or 400 g Carbaryl 50 WP or 200 ml monocrotophas 36 SL or 150 ml Cypermethrin 25 EC mixed in 100 litter water.

Uttar Pradesh and Uttarakhand

- In East Uttar Pradesh, undertake planting of spring sugarcane.
- In West Uttar Pradesh, continue sowing of green gram and harvesting of mustard.
- In Uttarakhand, complete sowing of summer mung.

Rajasthan

- In West Rajasthan under assured irrigation undertake sowing of summer moong and complete planting of sugarcane.
- In East Rajasthan , undertake harvesting of gram, mustard and barley.

West Bengal

- In Sub Himalayan West Bengal, undertake transplanting of *Boro* rice
- In Coastal Saline zone of West Bengal, undertake sowing of chaiti mung or black gram.

Bihar & Jharkhand

- In Jharkhand, undertake transplanting of summer rice and prepare fields for sowing of summer mung and black gram.
- In Bihar, harvest matured mustard crop. Continue sowing of green gram and black gram.

Andhra Pradesh, Telangana and Kerala

- In Rayalaseema, undertake harvesting of rabi groundnut when 70-80 % of groundnut plant leaves, stems turn yellow colour and inside of the pod shell might have turned black colour. Pods which are to be used for sowing purpose should be dried under sun until the moisture content is 9%.
- Continue sowing of fodder crops like sorghum, bajra and maize can be taken up for fodder with assured irrigation facilities in the state of Telangana.
- In High Altitude Zone in Kerala undertake planting of pepper and land preparation for ginger plantation.