

Advisory for DD Kisan dated 16.04.19
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- The Western Disturbance is very likely to result in rainfall activity with isolated thundersqualls (wind speed reaching 60-70 kmph gusting to 80 kmph) and hailstorms over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Rajasthan and Uttar Pradesh during next 48 hours. Isolated heavy rainfall is also likely over Jammu & Kashmir today.

Realised Weather

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

- **Rain/Thundershowers observed (from 0830 hours hrs IST of yesterday to 0830 hours IST of today):** at many places over Punjab, Haryana, Chandigarh & Delhi, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Marathwada; at a few places over Jammu & Kashmir, Himachal Pradesh, Rajasthan, Vidarbha, Madhya Maharashtra and Nagaland, Manipur, Mizoram & Tripura; at isolated places over Saurashtra & Kutch, Madhya Pradesh, Chhattisgarh, Konkan & Goa, Telangana, Odisha, North Interior Karnataka, Kerala and Andaman & Nicobar Islands.
- **Yesterday, heat wave** conditions observed in isolated pockets over East Madhya Pradesh.
- **Maximum temperature departures as on 15-04-2019:** Maximum temperatures were markedly above normal (5.1°C and more) at many places over Uttarakhand; at a few places over Jammu & Kashmir, Himachal Pradesh and Saurashtra & Kutch; at isolated places over Punjab and Chhattisgarh; appreciably above normal (3.1°C to 5.0°C) at many places over East Madhya Pradesh and Jharkhand; at a few places over Rajasthan, East Uttar Pradesh; at isolated places over Haryana, Chandigarh & Delhi, West Madhya Pradesh, Gujarat region, Konkan & Goa, Odisha, Chhattisgarh, Telangana, Rayalaseema, Tamilnadu & Puducherry and Coastal Karnataka; above normal (1.6°C to 3.0°C) at a few places over Assam & Meghalaya, Coastal Andhra Pradesh and South Interior Karnataka; at isolated places over Nagaland, Manipur, Mizoram & Tripura and Gangetic West Bengal.
- Yesterday, the highest maximum temperature of **44.8°C** was recorded at **Chandrapur (Vidarbha)** over the country.

Weather Forecast for next 5 days upto 0830 hours IST 16th April 2019

- Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- Day maximum temperatures are very likely to fall by 2-4°C over most parts of the Northwest

and Central India during next 3 days and over east India after 24 hours. They are likely to remain above normal by 2-3°C over Kerala, Tamil Nadu and Andhra Pradesh during next 2 days.

Table- 1
5 Day Rainfall Forecast (MID-DAY)
16-April-2019

Met-Sub-Division	16-Apr Today	17Apr Wed	18Apr Thu	19Apr Fri	20Apr Sat
1. Andaman & Nicobar Islands	ISOL	ISOL	ISOL	ISOL	ISOL
2. Arunachal Pradesh	SCT	FWS	WS	FWS	SCT
3. Assam & Meghalaya	SCT	FWS	SCT	ISOL	ISOL
4. N. M. M. & T.	SCT	SCT	SCT	ISOL	ISOL
5. S.H. West Bengal & Sikkim	FWS	FWS	SCT	ISOL	ISOL
6. Gangetic West Bengal	ISOL	SCT	SCT	SCT	ISOL
7. Odisha	SCT	ISOL	SCT	SCT	ISOL
8. Jharkhand	ISOL	SCT	SCT	ISOL	ISOL
9. Bihar	SCT	SCT	ISOL	ISOL	ISOL
10. East Uttar Pradesh	ISOL	FWS	ISOL	DRY	DRY
11. West Uttar Pradesh	FWS	FWS	ISOL	DRY	DRY
12. Uttarakhand	FWS	WS	SCT	DRY	DRY
13. Haryana, Chd & Delhi	WS	FWS	DRY	DRY	DRY
14. Punjab	WS	FWS	DRY	DRY	DRY
15. Himachal Pradesh	WS	FWS	ISOL	DRY	DRY
16. Jammu & Kashmir	WS	FWS	ISOL	DRY	ISOL
17. West Rajasthan	SCT	ISOL	DRY	DRY	DRY
18. East Rajasthan	FWS	ISOL	DRY	DRY	DRY
19. West Madhya Pradesh	FWS	ISOL	DRY	DRY	DRY
20. East Madhya Pradesh	SCT	SCT	ISOL	DRY	DRY
21. Gujarat Region	ISOL	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	DRY	DRY	DRY	DRY	DRY
24. Madhya Maharashtra	SCT	DRY	DRY	DRY	DRY
25. Marathawada	SCT	DRY	DRY	DRY	DRY
26. Vidharbha	SCT	ISOL	DRY	DRY	DRY
27. Chhattisgarh	SCT	SCT	ISOL	ISOL	DRY
28. Coastal Andhra Pradesh	DRY	DRY	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	DRY	DRY	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	SCT
32. Coastal Karnataka	ISOL	ISOL	ISOL	DRY	DRY
33. North Interior Karnataka	ISOL	ISOL	ISOL	DRY	DRY
34. South Interior Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
35. Kerala	ISOL	SCT	FWS	ISOL	SCT
36. Lakshadweep	DRY	DRY	ISOL	ISOL	DRY

% Station Reporting Rainfall

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

Weather Warning

- **16 April (Day 1): Thundersquall (wind speed reaching 60-70 kmph) accompanied with hail and lightning** at isolated places very likely over Uttarakhand, Punjab, Haryana Chandigarh & Delhi, East Rajasthan and West Madhya Pradesh.
Thunderstorm accompanied with gusty winds, hail (wind speed reaching 50-60 kmph) and lightning at isolated places very likely over Himachal Pradesh, West Rajasthan, East Madhya Pradesh, Vidarbha, Madhya Maharashtra and Marathwada.
Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) and lightning at isolated places very likely over West Uttar Pradesh, Bihar, Gangetic West Bengal, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over Jammu & Kashmir, Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Telangana, Coastal Karnataka, Interior Karnataka and Kerala.
Thunderstorm/Duststorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over East Uttar Pradesh.
Heavy rainfall at isolated places very likely over Jammu & Kashmir.
- **17 April (Day 2): Thundersquall (wind speed reaching 60-70 kmph) accompanied with hail and lightning** at isolated places very likely over Uttarakhand, Bihar and Gangetic West Bengal.
Thunderstorm accompanied with squall (wind speed reaching 50-60 kmph) and lightning at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh.
Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over Himachal Pradesh, East Uttar Pradesh, East Rajasthan, Chhattisgarh, East Madhya Pradesh, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Karnataka, Tamilnadu and Kerala.
- **18 April (Day 3): Thunderstorm accompanied with squall (wind speed reaching 50-60 kmph) and lightning** at isolated places very likely over Gangetic West Bengal and Odisha.
Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over Jharkhand, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Telangana, South Interior Karnataka, Tamilnadu & Puducherry and Kerala.
Heavy rainfall at isolated places very likely over Arunachal Pradesh, Tamilnadu & Puducherry and Kerala.
- **19 April (Day 4): Thundersquall (wind speed reaching 60-70 kmph) accompanied with hail and lightning** at isolated places likely over Odisha.
Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places likely over Coastal Andhra Pradesh, Tamilnadu & Puducherry and Kerala.
- **20 April (Day 5): Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning** at isolated places likely over Gangetic West Bengal, Odisha, South

Interior Karnataka, Tamilnadu & Puducherry and Kerala.
Heat Wave conditions at isolated places likely over Rajasthan.

Salient Advisories

Thunderstorm/Squall/gusty winds/ Duststorm and advisory

Warning

- **Thundersquall (wind speed reaching 60-70 kmph) accompanied with hail and lightning** at isolated places) Uttarakhand on 16th and 17th , Punjab, Haryana Chandigarh & Delhi, East Rajasthan and West Madhya Pradesh on 16th ; Bihar and Gangetic West Bengal on 17th and Odisha on 19th.
- **Thunderstorm accompanied with gusty winds, hail (wind speed reaching 50-60 kmph) and lightning** at isolated places very likely over Himachal Pradesh, West Rajasthan, East Madhya Pradesh, Vidarbha, Madhya Maharashtra and Marathwada during next 24 hours.
- **Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) and lightning** at isolated places very likely over West Uttar Pradesh, Bihar, Gangetic West Bengal, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 24 hours.
- **Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning** at isolated places very likely over (16,17 and 18) Kerala from 16th to 20th ; Jammu & Kashmir & Interior Karnataka on 16th ; Jharkhand from 16th to 18th ; Coastal Karnataka, Chhattisgarh Sub-Himalayan West Bengal & Sikkim on 16th & 17th ; Arunachal Pradesh and Telangana on 16th & 18th , Himachal Pradesh, East Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu on 17th; Assam & Meghalaya on 17th & 18th ; South Interior Karnataka on 18th and 20th ; Tamilnadu & Puducherry from 18th to 20th ; Coastal Andhra Pradesh on 19th ; Gangetic West Bengal on 20th and Odisha on 17th and 20th
- **Thunderstorm/Duststorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning** at isolated places very likely over East Uttar Pradesh on 16th.
- **Thunderstorm accompanied with squall (wind speed reaching 50-60 kmph) and lightning** at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh on 17th and Gangetic West Bengal and Odisha on 18th .

Advisory

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

Heavy rainfall

Warning

- Heavy rainfall at isolated places very likely over Jammu & Kashmir on 16th, Arunachal Pradesh, Tamilnadu & Puducherry and Kerala on 18th April.

Advisory

- In above regions, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Keep harvested produce at safer places.

State-wise Advisories

Arunachal Pradesh, Assam, Mizoram, and Nagaland

- In North Bank Plain Zone of Assam, undertake land preparation/ sowing of *Bau* rice, continue planting of sugarcane and complete planting of ginger and turmeric.
- In Mizoram, undertake land preparation for sowing of *Jhum* rice.
- In Arunachal Pradesh, undertake nursery preparation of rice (early sown), undertake sowing of leguminous crops like cowpea, french bean, soybean etc. around *Jhum* field
- In Nagaland, undertake harvesting of large cardamom.

Jammu & Kashmir, Himachal Pradesh

- In Intermediate Zone, undertake sowing of okra, continue transplanting of cucurbits (cucumber, bottle gourd, bitter gourd, sponge gourd and pumpkin) .
- In Sub Tropical Zone of Jammu & Kashmir, undertake sowing of Summer pulses (moong/mash) and summer vegetables,

Punjab and New Delhi

- In Undulating Plain Zone, of Punjab, undertake harvesting of oilseeds.
- In Delhi, undertake sowing of green gram, vegetables like French bean, lobia, bottle gourd, cucumber. Undertake sowing of fodder crops like gwar, maize, bajra, cluster bean .

Rajasthan

- In Flood Prone Eastern Plain Zone of Rajasthan, continue harvesting of wheat on clear days.
- In Rajasthan complete harvesting of wheat, chickpea/gram.

Maharashtra

- In Konkan region continue harvesting of early sown varieties of rice. Continue harvesting of early sown groundnut.
- In Madhya Maharashtra to control shoot fly in sugarcane, spray Chlorantraniliprole 18.5% SC @ 4 ml per 10 litres of water.
- In East Vidarbha, to control brown hopper in rice, spray Imidacloprid 17.8% SL @ 2.5 ml or Fipronil 5% SC @ 20ml in per 10 litres of water. To control tikka disease in groundnut, spray Deltamethrin 2.8% @ 500 ml/ ha in 500 liters of water.

Bihar and Jharkhand

- In Bihar, complete sowing of green gram (mung bean) & black gram (urd). Continue harvesting of wheat crop.
- In Central & North Eastern Plateau Zone of Jharkhand, undertake sowing of summer cowpea and okra. In summer rice, to control Gall midge in, apply Phorate 10 g @ 8 kg per hectare, and

for Case worm and Stem borer , spray Chlorpyriphos @ 1.5 ml per lt. of water

- In Western Plateau Zone of Jharkhand, continue harvesting of wheat, undertake field preparation for planting of ginger and turmeric.

Andhra Pradesh Kerala and Telangana

- In South Coastal Andhra Pradesh, continue sowing of summer pulses.
- In South Telangan Zone, in Rice prevailing weather conditions are congenial for the incidence of stem borer if noticed control it by spraying Cartap Hydrochloride @ 2 g or Chlorantriliniprole @ 0.4 ml per litre of water.
- In Southern Zone, undertake sowing of cowpea in rice fallow lands.
- In Central zone of Kerala, in banana to control Sigatoka disease spray 20 g Pseudomonas per litre of water

Uttar Pradesh

- In East Uttar Pradesh, complete harvesting of wheat, mustard, pea, gram and lentil and barley.

Madhya Pradesh

- In Bundelkhand Zone, undertake sowing of summer moong.