

Advisory for DD Kisan dated 05.04.19
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- Heat wave/severe heat wave conditions are very likely to prevail in many parts of Rajasthan; in some parts of Madhya Pradesh and in isolated pockets over south Haryana, Gujarat and Vidarbha during next 24 hours and reduce in spatial extent and intensity from tomorrow.
- Parts of northwest India (north Rajasthan, Punjab and Haryana, Chandigarh & Delhi) is likely to experience isolated thunderstorms/dust storms and gusty winds during the afternoon/evening hours of 5th & 6th April. Isolated thundersqualls (wind speed reaching 60-70 kmph) are likely to occur over Bihar, Jharkhand and West Bengal & Sikkim on 5th & 6th April and over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 7th & 8th April.

Realised Weather

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

- **Rain/Thundershowers observed (from 0830 hrs IST of yesterday to 0830 hours IST of today):** at most places over Arunachal Pradesh and Assam & Meghalaya; at many places over Nagaland, Manipur, Mizoram & Tripura and North Interior Karnataka; at a few places over Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim and Madhya Maharashtra and at isolated places over Konkan & Goa, Vidarbha, Telangana, Tamilnadu & Puducherry and Kerala.
- Yesterday's **Heat wave:** severe heat wave conditions were observed at many parts over west Rajasthan; most parts over east Rajasthan; some parts over Gujarat State, Madhya Pradesh and Chhattisgarh; at isolated pockets over East Uttar Pradesh and Chhattisgarh.
- **Maximum temperature departures as on 04-04-2019:** Maximum temperatures were markedly above normal (5.1°C or more) at most places over Jammu & Kashmir, Himachal Pradesh and Rajasthan; at isolated places over Gujarat region,; appreciably above normal (3.1°C to 5.0°C) at most places over Madhya Pradesh; at many places over Uttarakhand, Punjab, Haryana Delhi & Chandigarh, Chhattisgarh and Vidarbha; at a few places over Marathwada, Madhya Maharashtra and Saurashtra & Kutch; above normal (1.6°C to 3.0°C) at many places over Jharkhand and Kerala; at a few places over East Uttar Pradesh, Konkan & Goa, Rayalseema and Tamil Nadu & Puducherry.
- Yesterday's, the highest maximum temperature of **45.0°C** was recorded at **Khargone** (West Madhya Pradesh) over the country.

Weather Forecast for next 5 days upto 0830 hours IST 9th April 2019

- Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- No significant change in day maximum temperatures is likely over major parts of India during next 3 days. They are likely to fall by 2-3°C over parts northwest India from tomorrow. They are very likely to remain above normal by 2-3°C over interior Maharashtra during next 3 days.

Table- 1

5 Day Rainfall Forecast (MID-DAY)

05-April-2019

Met-Sub-Division	05-Apr Today	06Apr Sat	07Apr Sun	08Apr Mon	09Apr Tue
1. Andaman & Nicobar Islands	ISOL	DRY	DRY	ISOL	ISOL
2. Arunachal Pradesh	ISOL	ISOL	SCT	FWS	FWS
3. Assam & Meghalaya	SCT	FWS	FWS	WS	FWS
4. N. M. M. & T.	SCT	FWS	WS	WS	FWS
5. S.H. West Bengal & Sikkim	SCT	SCT	FWS	SCT	SCT
6. Gangetic West Bengal	SCT	SCT	FWS	SCT	SCT
7. Odisha	ISOL	SCT	ISOL	SCT	ISOL
8. Jharkhand	ISOL	SCT	SCT	ISOL	ISOL
9. Bihar	ISOL	SCT	ISOL	ISOL	ISOL
10. East Uttar Pradesh	DRY	ISOL	ISOL	ISOL	DRY
11. West Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
12. Uttarakhand	ISOL	ISOL	ISOL	ISOL	ISOL
13. Haryana, Chd & Delhi	ISOL	ISOL	ISOL	ISOL	ISOL
14. Punjab	ISOL	ISOL	ISOL	DRY	ISOL
15. Himachal Pradesh	ISOL	ISOL	ISOL	ISOL	SCT
16. Jammu & Kashmir	ISOL	ISOL	ISOL	SCT	FWS
17. West Rajasthan	ISOL	DRY	ISOL	ISOL	DRY
18. East Rajasthan	ISOL	ISOL	ISOL	ISOL	DRY
19. West Madhya Pradesh	ISOL	ISOL	ISOL	DRY	DRY
20. East Madhya Pradesh	DRY	ISOL	ISOL	DRY	DRY
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	ISOL	DRY	DRY	DRY	DRY
24. Madhya Maharashtra	ISOL	DRY	DRY	DRY	DRY
25. Marathwada	ISOL	ISOL	DRY	DRY	DRY
26. Vidharbha	ISOL	DRY	DRY	ISOL	ISOL
27. Chhattisgarh	ISOL	ISOL	ISOL	ISOL	ISOL
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	DRY	ISOL	ISOL
30. Rayalaseema	DRY	DRY	DRY	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	DRY	ISOL	ISOL	DRY
32. Coastal Karnataka	ISOL	DRY	ISOL	ISOL	DRY
33. North Interior Karnataka	ISOL	ISOL	DRY	DRY	DRY
34. South Interior Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
35. Kerala	ISOL	ISOL	ISOL	SCT	ISOL
36. Lakshadweep	DRY	ISOL	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

- **05 April (Day 1):** Heat Wave conditions in many parts with severe at isolated pockets very likely over Rajasthan and in some parts over Madhya Pradesh and isolated pockets over East Uttar Pradesh, south Haryana, Vidarbha and Gujarat State.
Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places very likely over West Bengal & Sikkim.
Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Jharkhand, Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathwada, interior Karnataka, Telangana and Kerala.
Thunderstorm/duststorm accompanied with gusty winds (wind speed reaching 30-40 kmph) & lightning at isolated places very likely over Rajasthan, Punjab, West Uttar Pradesh and Haryana, Chandigarh & Delhi.
- **06 April (Day 2):** Heat Wave conditions in some parts very likely over West Rajasthan and in isolated pockets over Madhya Pradesh, East Uttar Pradesh and East Rajasthan.
Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places very likely over Odisha, Jharkhand, Bihar and West Bengal & Sikkim.
Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
Thunderstorm accompanied with duststorm, gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over East Uttar Pradesh, East Rajasthan, Punjab and Haryana, Chandigarh & Delhi.
Heavy rain at isolated places very likely over Gangetic West Bengal and Tripura.
- **07 April (Day 3):** Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Odisha, West Bengal & Sikkim, Jharkhand, Bihar and north Coastal Andhra Pradesh.
Heavy rain at isolated places likely over Assam & Meghalaya.
- **08 April (Day 4):** Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places likely over Assam & Meghalaya, Nagaland, Manipur & Mizoram and Odisha.
Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places likely over Gangetic West Bengal, Jammu & Kashmir and Kerala.
Thunderstorm accompanied with duststorm, gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places likely over Punjab and Haryana, Chandigarh & Delhi.
Heavy rain at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur & Mizoram.
- **09 April (Day 5):** Heat Wave conditions in isolated pockets likely over Rajasthan.

Salient Advisories

Thunderstorm/ Squall/ Duststorm and advisory

Warning

- Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places very likely over West Bengal & Sikkim during next 2 days, over Odisha on 6th and 8th, over, Jharkhand, Bihar on 6th, over Tripura on 7th and Assam & Meghalaya and Nagaland, Manipur & Mizoram on 7th & 8th.
- Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Jharkhand, Bihar, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathwada, interior Karnataka, Telangana and Kerala during next 24 hours, over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura during next 2 days,
- Thunderstorm/duststorm accompanied with gusty winds (wind speed reaching 30-40 kmph) & lightning at isolated places very likely over Haryana, Chandigarh & Delhi on 5th, 6th & 8th over Rajasthan, West Uttar Pradesh on 5th, East Uttar Pradesh, East Rajasthan, on 6th over Odisha, West Bengal & Sikkim, Jharkhand, Bihar and north Coastal Andhra Pradesh on 7th and over Gangetic West Bengal, Jammu & Kashmir and Kerala on 8th.

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 in Odisha, Undertake propping in sugarcane in Madhya Maharashtra, Odisha and Haryana. Postpone application of plant protection measures and fertilizers to the standing crops during gusty wind.

Heat wave

Warning

- In Rajasthan, Heat Wave conditions very likely in many parts on 5th, 6th & 7th with severe at isolated pockets during next 24 hours.
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- Heat Wave conditions in some parts over Madhya Pradesh and isolated pockets over East Uttar Pradesh on 5th & 6th and over south Haryana, Vidarbha and Gujarat State during next 24 hours.

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.

Heavy rainfall

Warning

- Heavy rain at isolated places very likely over Gangetic West Bengal and Tripura on 6th, over Assam & Meghalaya on 7th & 8th, over Nagaland, Manipur & Mizoram on 8th April.

Advisory

- In above regions, avoid irrigation, inter-cultural 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, Manipur and, Meghalaya

- In Hill Zone of Assam, undertake land preparation and sowing of Summer green gram and black gram. Undertake sowing of fodder crops (bajra, sorghum maize, lobia), ensuring optimum soil moisture before sowing.
- In Upper Brahmaputra valley zone of Assam, continue transplanting of normal ahu rice in main field, undertake sowing of summer gourd vegetables such as ridge gourd, sponge gourd, snake gourd, ash gourd, pumpkin etc. , undertake land preparation/ planting of ginger & turmeric.
- In Arunachal Pradesh, continue sowing of Jhum rice during clear/dry days along with intercropping of leguminous crops (cowpea /frenchbean /soybean) at 2-3 rows across the slope in jhum field.
- In Manipur undertake land preparation for sowing of soybean/ groundnut.
- In High and Mid altitude region of Meghalaya undertake land preparation for sowing of maize.

Jammu & Kashmir, Himachal Pradesh

- In Sub Tropical Zone of Jammu & Kashmir, undertake sowing of Summer pulses (moong/mash) and summer vegetables.
- In Cold –Arid zone of Jammu & Kashmir, undertake sowing of pea and beans in the lower belts of Leh.

Punjab & Delhi

- In Western Plain Zone of Punjab, continue sowing of summer mung and summer mash and cucurbits.
- In Punjab complete planting of sugarcane.
- In Delhi, continue sowing of green gram, undertake harvesting of timely sown wheat crop.

Rajasthan and Gujarat

- In Flood Prone Eastern Plain Zone of Rajasthan undertake harvesting of wheat.
- In Semi Arid Eastern Plain Zone of Rajasthan, undertake field preparation for sowing of cotton.
- In Rajasthan and Middle & North Gujarat Zone of Gujarat continue harvesting timely sown wheat crop.

Odisha

- Undertake harvesting of green gram and black gram crops .

Maharashtra

- In the state apply irrigation to standing crops like groundnut, vegetables and fruit orchads.
- In Madhya Maharashtra to avoid evaporation losses apply mulching of grass, leaves, hay, straw etc. in fruit crops. Undertake harvesting of onions. To control aphids and jassids in sunflower, spray Dimethoate 30 EC @ 10 ml per 10 liters of water
- In Vidarbha, apply irrigation to green gram, groundnut, sesame, vegetables and orchards.

Bihar and Jharkhand

- In Central & North Eastern Plateau Zone of Jharkhand, undertake sowing of summer cowpea.
- In Western Plateau Zone of Jharkhand continue undertake land preparation for sowing of summer mung.
- In Bihar complete the sowing of green gram (mung bean) & black gram (urd) up to 10th April. Undertake harvesting of matured wheat crop and lentil crop immediately and store it in a safe place as rainfall is expected at a few places the next two days.
- In Central & North Eastern Plateau Zone, undertake sowing of Summer cowpea, and Okra, undertake harvesting of wheat, gram, lentil and linseed.

Andhra Pradesh and Telangana

- In North Coastal Andhra Pradesh, weather is congenial for incidence of Stem borer in rice Spray Cartap hydrochloride 4 G granules @ 8 kg/acre.
- In South Coastal Andhra Pradesh, undertake sowing of summer pulses.
- In Rayalaseema, undertake sowing of summer groundnut with assured irrigation.
- In Telangana, prevailing weather conditions are congenial for the incidence of Stem borer and leaf folder on rice. Spray Cartap hydrochloride @ 2 g or Chlorantraniliprole @ 0.3 ml per liter of water

Karnataka

- In South Interior Karnataka, complete planting of ginger and turmeric.
- In North Interior Karnataka, for the control of leaf hoppers, spray the mango orchard with Carbaryl @ 4 gram or Imidacloprid @ 0.25 ml dissolved in one litre of water. In case of abrupt increase in the hopper population, then go for spraying with Azadiractin @ 7 ml dissolved in one litre of water.

Uttar Pradesh

- In East Uttar Pradesh continue harvesting of mustard and sowing of summer pulses mung and urd and planting of sugarcane.
- In West Uttar Pradesh continue sowing of green gram and black gram
- In East Uttar Pradesh, continue harvesting of wheat and barley. Continue planting of spring sugarcane. Undertake harvesting of mustard, gram and arhar.

- In West Uttar Pradesh, undertake harvesting of timely sown wheat, mustard, gram and arhar. Undertake sowing of Sorghum and Bajra.