

Advisory for DD Kisan dated 09.04.19
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- Fairly widespread to widespread rainfall with isolated thundersquall (wind reaching 60-70kmph) likely to occur over Sub- Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and isolated thundersqualls over north Bihar and north Coastal Andhra Pradesh during next 24 hours.
- An approaching western disturbance is likely to cause scattered to fairly widespread rain/thundershowers with isolated thunderstorms/hailstorms and gusty winds over Jammu & Kashmir, Himachal Pradesh and Uttarakhand during 10-12 April. Isolated duststorm/thunderstorm (gusty winds, speed reaching 40-50 kmph) are also likely over Punjab, south Haryana, Delhi and Rajasthan during the same period and over Uttar Pradesh during 11-13 April.
- Heat wave conditions are likely to continue over West Rajasthan (in some parts) and at isolated pockets over East Rajasthan and West Madhya Pradesh during next 2-3 days.

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 Nagaland. Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim and Jharkhand; at many places over Uttarakhand; at a few places over Assam & Meghalaya, Odisha and South Interior Karnataka; at isolated places over Arunachal Pradesh, Gangetic West Bengal, Bihar, Jammu & Kashmir, Himachal Pradesh, Haryana & Chandigarh, Chhattisgarh, Andhra Pradesh, Telangana, Coastal & North Interior Karnataka and Kerala.
- Heavy rainfall observed at isolated places over Sub-Himalayan West Bengal & Sikkim.
- Yesterday, heat wave conditions were observed in some parts over West Rajasthan and at isolated pockets over East Rajasthan.
- Thunderstorm observed at isolated places over Bihar, Assam & Meghalaya and Tripura at 0830 hours IST of today.
- Maximum temperature departures as on 08-04-2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Jammu & Kashmir and West Rajasthan; at many places over East Rajasthan; at a few places over West Madhya Pradesh, Madhya Maharashtra and Vidarbha; above normal (1.6°C to 3.0°C) at most places over Marathwada, Rayalaseema, Coastal & South Interior Karnataka; at many places over Haryana, Chandigarh & Delhi, East Madhya Pradesh, Tamilnadu, North Interior Karnataka, Kerala and Lakshadweep; at a few places over Chhattisgarh, Gujarat State, Konkan & Goa, Telangana and at isolated places

over Jharkhand.

- Yesterday, the highest maximum temperature of 44.5°C was recorded at Khargone (West Madhya Pradesh) over the country.

Weather Forecast for next 5 days upto 0830 hours IST 14th April 2019

- Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- No significant change in day maximum temperatures likely over major parts of India during next 3 days. They are very likely to remain above normal by 2-3°C over parts of Telangana, Rayalaseema, Tamilnadu, Kerala, Madhya Maharashtra, Marathwada and interior parts of Gujarat state during next 3 days.

Table- 1

5 Day Rainfall Forecast (MID-DAY) 09-April-2019

Met-Sub-Division	09-Apr Today	10Apr Wed	11Apr Thu	12Apr Fri	13Apr Sat
1. Andaman & Nicobar Islands	DRY	DRY	DRY	DRY	ISOL
2. Arunachal Pradesh	FWS	SCT	ISOL	ISOL	SCT
3. Assam & Meghalaya	FWS	SCT	ISOL	SCT	FWS
4. N. M. M. & T.	WS	SCT	SCT	SCT	SCT
5. S.H. West Bengal & Sikkim	FWS	ISOL	ISOL	SCT	SCT
6. Gangetic West Bengal	SCT	ISOL	ISOL	ISOL	ISOL
7. Odisha	ISOL	ISOL	ISOL	SCT	ISOL
8. Jharkhand	ISOL	ISOL	ISOL	ISOL	ISOL
9. Bihar	SCT	ISOL	ISOL	ISOL	ISOL
10. East Uttar Pradesh	DRY	DRY	ISOL	ISOL	ISOL
11. West Uttar Pradesh	DRY	ISOL	ISOL	ISOL	ISOL
12. Uttarakhand	ISOL	ISOL	SCT	FWS	ISOL
13. Haryana, Chd & Delhi	DRY	ISOL	ISOL	ISOL	DRY
14. Punjab	DRY	ISOL	SCT	ISOL	DRY
15. Himachal Pradesh	ISOL	ISOL	FWS	FWS	ISOL
16. Jammu & Kashmir	SCT	SCT	WS	FWS	ISOL
17. West Rajsthan	DRY	ISOL	ISOL	ISOL	DRY
18. East Rajasthan	ISOL	ISOL	ISOL	ISOL	DRY
19. West Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	DRY
20. East Madhya Pradesh	DRY	ISOL	ISOL	ISOL	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	DRY	DRY	ISOL	ISOL	ISOL
25. Marathawada	DRY	DRY	ISOL	ISOL	ISOL
26. Vidharbha	DRY	DRY	ISOL	ISOL	DRY
27. Chhattisgarh	ISOL	ISOL	ISOL	ISOL	ISOL
28. Coastal Andhra Pradesh	SCT	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	DRY	DRY	DRY
31. Tamilnadu & Puducherry	ISOL	ISOL	DRY	ISOL	ISOL
32. Coastal Karnataka	ISOL	ISOL	DRY	ISOL	ISOL
33. North Interior Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
34. South Interior Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
35. Kerala	ISOL	ISOL	ISOL	ISOL	ISOL
36. Lakshadweep	DRY	DRY	DRY	DRY	DRY

% Station Reporting Rainfall

% Stations	Category	% Stations	Category
76-100	Widespread (W/ 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

- **09 April (Day1):** Heat Wave conditions in some parts very likely over West Rajasthan and at isolated pockets over West Madhya Pradesh and East Rajasthan.
- Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar and north Coastal Andhra Pradesh. ♦ Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Chhattisgarh, Arunachal Pradesh, Gangetic West Bengal, Tamil Nadu, Kerala, Telangana, Jharkhand and South Interior Karnataka.
- Thunderstorm accompanied with hailstorm, gusty winds and lightning at isolated places very likely over Odisha.
- Thunderstorm/Duststorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over West Madhya Pradesh and East Rajasthan.
- Heavy rain at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **10 April (Day 2):** Heat Wave conditions in some parts very likely over West Rajasthan and at isolated pockets over West Madhya Pradesh and East Rajasthan.
- Thunderstorm/Duststorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over Haryana, Chandigarh & Delhi and Rajasthan.
- Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Tamilnadu, Kerala, South Interior Karnataka, and Telangana.
- Thunderstorm accompanied with hailstorm, gusty winds and lightning at isolated places very likely over Jammu & Kashmir, Himachal Pradesh and Uttarakhand.
- **11 April (Day 3):** Heat Wave conditions in isolated pockets very likely over Rajasthan.
- Thunderstorm accompanied with hail, gusty winds and lightning at isolated places very likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Punjab.
- Thunderstorm/Duststorm accompanied with gusty winds and lightning at isolated places very likely over Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan.
- Thunderstorm accompanied with gusty winds and lightning at isolated places very likely over Odisha, Coastal Andhra Pradesh, Chhattisgarh, Madhya Maharashtra and Marathwada.
- **12 April (Day 4):** Heat Wave conditions in isolated pockets likely over West Rajasthan.
- Thunderstorm accompanied with hail, gusty winds and lightning at isolated places likely over Punjab and Uttarakhand.
- Thunderstorm/Duststorm accompanied with gusty winds and lightning at isolated places likely over Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan.
- Thunderstorm accompanied with gusty winds and lightning likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Marathawada, Chhattisgarh, Bihar, West Bengal & Sikkim, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura.
- **13 April (Day 5):** Thunderstorm accompanied with gusty winds and lightning likely at isolated places over Coastal Andhra Pradesh, Bihar, Sub- Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- Thunderstorm/ Dust storm accompanied with gusty winds and lightning at isolated places likely

over West Uttar Pradesh.

Salient Advisories

Thunderstorm/ Squall/ Dust storm and advisory

Warning

- Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar and north Coastal Andhra Pradesh on 9th April.
- Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Kerala, South Interior Karnataka on 9th & 10th over Chhattisgarh, Arunachal Pradesh, Gangetic West Bengal, Tamil Nadu, Telangana, Jharkhand on 9th and over Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Tamilnadu, Kerala, South Interior Karnataka, and Telangana on 10th April.
- Thunderstorm accompanied with hailstorm, gusty winds and lightning at isolated places very likely over Odisha during next 24 hours, over Jammu & Kashmir, Himachal Pradesh and Uttarakhand on 10th April.
- Thunderstorm accompanied with hail, gusty winds and lightning at isolated places very likely over Uttarakhand and Punjab on 11th and 12th over Jammu & Kashmir, Himachal Pradesh, on 11th April.
- Thunderstorm accompanied with gusty winds and lightning at isolated places very likely over Odisha from 11th to 13th, over Marathwada and Chhattisgarh on 11th & 12th, over Coastal Andhra Pradesh on 11th and 13th, over Madhya Maharashtra on 11th, over Assam & Meghalaya and Nagaland, Manipur, Mizoram and Tripura on 12th & 13th, over Jammu & Kashmir and Himachal Pradesh on 12th, over Bihar, West Bengal & Sikkim on 12th & 13th April.
- Thunderstorm/Duststorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over West Madhya Pradesh and East Rajasthan during next 24 hours, over Haryana, Chandigarh & Delhi and Rajasthan on 10th.
- Thunderstorm/Duststorm accompanied with gusty winds and lightning at isolated places very likely over Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan on 11th and 12th and over West Uttar Pradesh on 13th April.

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

Heat wave

Warning

- Heat Wave conditions in some parts very likely over West Rajasthan and at isolated pockets over West Madhya Pradesh and East Rajasthan during next 2 days, at isolated pockets over

Rajasthan on 11th and West Rajasthan on 12th April .

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 Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 24 hours

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, Manipur and, Meghalaya

- In Assam, continue transplanting of early Ahu rice in the main field.
- In Central Brahmaputra Valley Zone of Assam, undertake land preparation for sowing of *Olitorius* jute. In North Bank Plain Zone of Assam continue land preparation for sowing *Bau* rice, maize and planting of sugarcane.
- In Arunachal Pradesh, sugarcane sets may be planted during this week as there is sufficient soil moisture in the field.
- In Mizoram, undertake harvesting of greengram, blackgram, toria and pea.
- In Meghalaya, undertake land preparation for sowing of maize and Cucurbits (Cucumber/Pumpkin /Bottle Gourd/ Ash Gourd/Squash).
- In Nagaland, undertake sowing of green gram.

Jammu & Kashmir, Himachal Pradesh

- In Jammu Division of Jammu & Kashmir, continue sowing of summer pulses (moong/mash) and summer vegetables with assured irrigation.
- In valley region of Jammu & Kashmir, undertake sowing of kharif vegetables under poly houses.
- In High Hill Temperate Dry Zone of Himachal Pradesh, it is optimum time for sowing of cauliflower, cabbage, tomato and capsicum in poly houses.

Punjab, Haryana & Delhi

- In Western Plain Zone of Punjab, undertake land preparation for sowing of irrigated cotton. Before sowing of cotton after paddy, undertake deep ploughings to the fields, to break the hard layer developed due to puddling for easily penetration of roots in the soil

- In Delhi, harvest timely sown wheat crop. Harvested crops should be properly tied to avoid being carried away by winds.
- In Eastern Haryana, undertake harvesting of wheat. Keep harvested produce at safer places.

Rajasthan and Gujarat

- In Southern Humid Plain zone of Rajasthan ,undertake land preparation for sowing of *zaid* mung
- In Flood Prone Eastern Plain Zone and Sub Humid Southern Plain and Aravali Hill Zone of Rajasthan, continue harvesting of wheat.In Semi Arid Eastern Plain Zone of Rajasthan, continue field preparation for sowing of irrigated cotton.
- In Middle Gujarat Zone of Gujarat undertake sowing of green gram and cowpea
- In North West Zone of Gujarat , undertake harvesting of wheat.

Maharashtra

- Farmers are advised to provide shade net to newly planted orchard saplings like mango grafts/ coconut seedlings for protection from scorching sun. Protect the cattle from heat. Keep good aeration in animal shed.
- In Madhya Maharashtra to avoid evaporation losses apply mulching of grass, leaves, hay, straw etc. in fruit crops. Continue harvesting of onions. For control of tikka disease in groundnut, spray Mancozeb @ 2.5 g or Carbendezium @ 1 g in 1 liter of water.
- In Vidarbha, apply irrigation to green gram, groundnut, sesame, vegetables and orchards. In west Vidarbha, to control leaf miner, thrips and jassids in groundnut, spray Lambda Cyhalothrin 5% @ 4 ml or Quinalphos 25% @ 28 ml per 10 litres of water

Bihar and Jharkhand

- In Western Plateau Zone of Jharkhand, continue land preparation for sowing of summer mung and harvesting of timely sown wheat crop.
- In Bihar, complete the sowing of green gram (mung bean) & black gram (urd) up to 10th April. Continue harvesting of wheat crop.
- In Central & North Eastern Plateau Zone of Jharkhand, continue sowing of summer cowpea, and Okra, continue harvesting of wheat, gram, lentil and linseed.

Andhra Pradesh and Telangana

- In Scarce Rainfall Zone (Kurnool district) of Rayalaseema undertake harvesting of rice.
- In Rayalaseema, continue sowing of summer groundnut with assured irrigation.
- In Telangana, the prevailing dry weather conditions are congenial for incidence of sucking pests in vegetables. To control, spray Fipronil @ 2ml or Thiomethoxim @ 0.3g per litre of water.

Uttar Pradesh

- In East Uttar Pradesh, continue harvesting of wheat and barley and planting of sugarcane.
- In West Uttar Pradesh, continue harvesting of timely sown wheat, mustard, gram and arhar. Undertake sowing of Sorghum and Bajra.
- Mid to high altitude area of Uttarakhand, undertake sowing of Barnyard millet, pigeon pea and Potato.