

Advisory for DD Kisan dated 02.04.19
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- Heat wave conditions are very likely to prevail at isolated pockets over north Madhya Maharashtra, Gujarat and Rajasthan during next 3 days, over south Haryana and Vidarbha on 3rd & 4th April and over Madhya Pradesh on 4th & 5th April.
- Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) likely at isolated places over West Bengal & Sikkim and thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 24 hours.

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 Arunachal Pradesh; at many places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at a few places over Uttarakhand, West Bengal & Sikkim & Andaman & Nicobar Islands and at isolated places over Odisha, Jharkhand, Coastal Andhra Pradesh and South Interior Karnataka..
- Yesterday, **heat wave** conditions were observed at isolated pockets over Saurashtra & Kutch, Marathwada, East Madhya Pradesh and Chhattisgarh.
- **Thunderstorm** observed at isolated places over Assam & Meghalaya at 0530 hours IST of today.
- **Maximum temperatures** were markedly above normal (5.1°C or more) at most places over Jammu & Kashmir; appreciably above normal (3.1°C to 5.0°C) at many places over Himachal Pradesh; at a few places over Saurashtra & Kutch, Rayalseema and Tamilnadu & Puducherry; at isolated places over West Rajasthan, Gujarat Region, Marathwada and Telangana. Yesterday, the highest maximum temperature of 43.4°C was recorded at Chandrapur (Vidarbha) over the country.

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

- Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- Day maximum temperatures are likely to rise by 2-3°C over many parts northwest India during next 2-3 days. They are very likely to remain above normal by 2-4°C over most parts of south peninsula, interior Maharashtra and some parts of west, central and east India and no significant change over rest parts of the country during next 2 days

Table- 1

5 Day Rainfall Forecast (MID-DAY)					
	02-Apr Today	03Apr Wed	04Apr Thu	05Apr Fri	06Apr Sat
1. Andaman & Nicobar Islands	ISOL	ISOL	ISOL	ISOL	DRY
2. Arunachal Pradesh	FWS	ISOL	ISOL	ISOL	SCT
3. Assam & Meghalaya	SCT	ISOL	ISOL	ISOL	SCT
4. N. M. M. & T.	SCT	SCT	ISOL	ISOL	SCT
5. S.H. West Bengal & Sikkim	SCT	ISOL	ISOL	SCT	FWS
6. Gangetic West Bengal	SCT	ISOL	DRY	ISOL	SCT
7. Odisha	ISOL	ISOL	ISOL	ISOL	ISOL
8. Jharkhand	DRY	DRY	DRY	ISOL	ISOL
9. Bihar	ISOL	DRY	DRY	ISOL	SCT
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	ISOL
11. West Uttar Pradesh	DRY	DRY	DRY	ISOL	ISOL
12. Uttarakhand	ISOL	DRY	DRY	SCT	SCT
13. Haryana, Chd & Delhi	DRY	DRY	DRY	ISOL	ISOL
14. Punjab	DRY	DRY	DRY	ISOL	ISOL
15. Himachal Pradesh	DRY	DRY	DRY	SCT	ISOL
16. Jammu & Kashmir	DRY	DRY	ISOL	SCT	ISOL
17. West Rajasthan	DRY	DRY	DRY	ISOL	DRY
18. East Rajasthan	DRY	DRY	DRY	ISOL	DRY
19. West Madhya Pradesh	DRY	DRY	DRY	ISOL	DRY
20. East Madhya Pradesh	DRY	DRY	DRY	DRY	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. Marathwada	DRY	ISOL	ISOL	DRY	DRY
26. Vidharbha	DRY	DRY	ISOL	DRY	DRY
27. Chhattisgarh	DRY	DRY	ISOL	ISOL	DRY
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	DRY	DRY	ISOL	DRY	DRY
32. Coastal Karnataka	DRY	DRY	ISOL	ISOL	DRY
33. North Interior Kamataka	DRY	ISOL	ISOL	ISOL	DRY
34. South Interior Kamataka	DRY	DRY	ISOL	ISOL	DRY
35. Kerala	ISOL	ISOL	ISOL	ISOL	ISOL
36. Lakshadweep	DRY	DRY	DRY	DRY	DRY

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

Weather Warning

- **02 April (Day 1):** ♦ Heat Wave conditions in isolated pockets very likely over Madhya Maharashtra, Marathwada, Gujarat State and Rajasthan.
- 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 Odisha, Bihar, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **03 April (Day 2):** ♦ Heat Wave conditions in some parts very likely over West Rajasthan; in isolated pockets very likely over Madhya Maharashtra, Marathwada, Gujarat State, south Haryana, Vidarbha and East Rajasthan.
- **04 April (Day 3):** ♦ Heat Wave conditions in some parts very likely over West Rajasthan; in isolated pockets very likely over Madhya Maharashtra, Gujarat State, south Haryana, Madhya Pradesh, Vidarbha and East Rajasthan.
- **05 April (Day 4):** ♦ Heat Wave conditions in isolated pockets likely over Madhya Pradesh.
- Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Sub-Himalayan West Bengal & Sikkim.
- Thunderstorm accompanied with duststorm, gusty winds (wind speed reaching 30-40 kmph) & lightning at isolated places likely over Punjab, Haryana, Chandigarh & Delhi, northeast Rajasthan and southwest Uttar Pradesh.
- **06 April (Day 5):** ♦ Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning likely at isolated places likely over Bihar, Odisha, West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura

Salient Advisories

Thunderstorm/ Thunder squall and advisory

Warning

- Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places very likely over West Bengal & Sikkim on 2nd.
- Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Odisha, Bihar, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 2nd and 6th, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 2nd; Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Sub-Himalayan West Bengal on 5th Sikkim on 5th & 6th and West Bengal on 6th.
- Thunderstorm accompanied with duststorm, gusty winds (wind speed reaching 30-40 kmph) & lightning at isolated places likely over Punjab, Haryana, Chandigarh & Delhi, northeast Rajasthan and southwest Uttar Pradesh on 5th.

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

Heat wave

Warning

- Heat wave conditions at isolated places over Madhya Maharashtra and Gujarat from 2nd to 4th, Marathwada on 2nd and 3rd, Rajasthan on 2nd, South Haryana, Vidarbha and East Rajasthan on 3rd & 4th and Madhya Pradesh on 4th & 5th. Also Heat wave conditions are likely at some places over West Rajasthan on 3rd and 4th.

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.

State-wise Advisories

Arunachal Pradesh, Assam, Manipur and Nagaland

- In North Bank Plain Zone of Assam, farmers in flood affected low lying areas are advised to collect and sow the suitable varieties of bao rice and continue sowing of maize, *okra*. Ginger & Turmeric and planting of sugarcane and banana.
- In Upper Brahmaputra valley zone of Assam, continue transplanting of normal ahu rice in main field, undertake land preparation/ planting of banana.
- In Nagaland, continue sowing of Green gram and Naga king chilli.
- In Arunachal Pradesh continue sowing of Jhum rice along with intercropping of leguminous crops (cowpea /french bean /soybean) at 2-3 rows across the slope in jhum field
- In Manipur undertake sowing of french bean, *okra* and nursery sowing of chilli/ capsicum
- In Mizoram undertake harvesting of greengram, blackgram and soybean.

Jammu & Kashmir, Himachal Pradesh

- In Jammu Division undertake harvesting of mustard and chick pea.
- In Intermediate Zone, either is favourable for the outbreak of sucking pest in mustard, if observed, spray Dimethoate 30 EC @ 1 ml/litre of water or Chlorpyrifos 20 EC @ 2 ml/litre of water at fifteen days interval.
- In Sub-Montane & Low Hills Sub-Tropical Zone of Himachal Pradesh complete sowing of sunflower and mung and *urd*.

Punjab Haryana & Delhi

- In Western Plain Zone of Punjab, undertake sowing of summer mung and summer mash
- In Punjab complete planting of sugarcane.
- In Delhi, continue sowing of green gram and black gram.
- In Western Haryana undertake land preparation for sowing of irrigated cotton.
- In Eastern Haryana undertake harvesting of sugarcane

Madhya Pradesh and Chhattisgarh

- In West Madhya Pradesh, continue sowing of summer maize (for green cobs, baby corn, sweet corn), and complete harvesting of gram, potato and mustard.
- In Chhattisgarh, complete harvesting of pulse, oilseed and wheat also complete sowing of summer mung.
- In East Madhya Pradesh undertake harvesting of wheat and gram.

Rajasthan and Gujarat

- In Rajasthan and Middle & North Gujarat Zone of Gujarat undertake harvesting timely sown wheat crop.
- In West Rajasthan undertake sowing of fodder sorghum and pearl millet
- In East Rajasthan continue harvesting of barley & gram
- In Middle Gujarat Zone of Gujarat undertake sowing of green Gram and cowpea.

Odisha

- Increasing temperature may favour stemborer in rice in the main field. Place 4 Pheromone Traps per acre to collect the adults.
- In North Central Plateau Zone, undertake sowing of sesamum.

Maharashtra

- In Marathwada, due to increase in temperature the loss of water by evaporation and transpiration is more. Hence, to increase yield irrigate vegetable crops by using drip irrigation system and mulching should be done in October plantation banana orchard.
- In West Vidarbha undertake harvesting of wheat. Monitor for fall army worm on summer maize by installing light trap/pheromone trap in maize field.
- In East Vidarbha, weather is congenial for incidence of Stem borer infestation in rice crop. Spray Acephate 75% WP 20 gm or Triazophos 40EC 25ml or Fipronil 5EC 30ml or Quinalphos 32 ml in 10 liter of water.
- In Madhya Maharashtra to avoid evaporation losses apply mulching of grass, leaves, hay, straw etc. in fruit crops and undertake harvesting of sugarcane.
- In Konkan due to increase in rate of evaporation, provide irrigation regularly to fruit crop nursery, new planted fruit crops and vegetable crops. Keep the nursery areas clean by removing weeds also provide shade to nursery seedling.

Bihar and Jharkhand

- In Jharkhand and Bihar , continue harvesting of wheat and chick pea.
- In Jharkhand continue transplanting of summer rice.
- In Bihar complete the sowing of green gram (mung bean) & black gram (urd) up to 10th April.

Andhra Pradesh and Telangana

- In North Coastal Andhra Pradesh and Telangana, weather is congenial for incidence of Stem borer on rice. Spray Cartap Hydrochloride @ 2 g or Chlorantriliniprole @ 0.4 ml per litre of water..
- In South Coastal Andhra Pradesh, undertake sowing of summer pulses.
- In Rayalaseema, continue harvesting of rabi groundnut and stripping of pods with wet/dry pod threshers and drying of the produce.

Karnataka

- In North East Transition Zone, continue harvesting rabi jowar/wheat/safflower
- In Southern Transition of Karnataka, undertake harvesting of ginger / turmeric.

Uttar Pradesh and Uttarakhand

- In Bhabar and Tarai Zone of Uttarakhand undertake sowing of fodder crops like jowar, maize, lobia and bajara.
- In East Uttar Pradesh undertake 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