

Advisory for DD Kisan dated 24.04.18

(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- Heat wave conditions are likely to continue over Saurashtra & Kutch during next 24 hours and over Vidarbha during 25th and 26th April.
- Day maximum temperatures are likely to remain above 40°C over parts of central and adjoining eastern India and parts of Telangana, Rayalaseema and Interior Tamil Nadu.
- A fresh Western Disturbance is likely to cause scattered to fairly widespread precipitation over Western Himalayan region and isolated rainfall over northern plains from 27th April. Isolated Dust storms/ Thunderstorms, squalls/Hailstorms are likely over Western Himalayan region and adjoining plains of northwest India from 26th April.

Realised Rainfall

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

- Rain/thundershowers at many places over Arunachal Pradesh, Odisha & Kerala; at a few places over Assam & Meghalaya; at isolated places over West Bengal & Sikkim, Tripura, Lakshadweep and Tamil Nadu.

Maximum temperature

- **Maximum temperature departures as on 23.04.2018:**
- Maximum temperatures were markedly above normal (3.1°C or more) at isolated places over Saurashtra & Kutch; appreciably above normal (3.1°C to 5.0°C) at isolated places over Konkan & Goa and Assam & Meghalaya; above normal (1.6°C to 3.0°C) at most places over Telangana; at a few places over Himachal Pradesh, Bihar, Vidharbha, Gujarat region, Coastal Karnataka, Kerala and Tamil Nadu; at isolated places over Jammu & Kashmir, East Madhya Pradesh, Madhya Maharashtra, Gangetic West Bengal, Assam & Meghalaya and North Interior Karnataka.
- **The highest maximum temperature of 44.5 °C** recorded at **Chandrapur** (Vidarbha) over the plains of the country.

Temperature Forecast:

- Day maximum temperatures are likely to remain above 40°C over central and Eastern India during next 2 days.
- Maximum temperatures are very likely to rise by 2-3°C over parts of northwest India, Gujarat and Maharashtra during next 2 days.
- No significant change in maximum temperatures over rest of the country during next 2 days.

5 Day Rainfall Forecast (Mid-day)

24th April 2018

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

- 24 April (Day 1):** Thunderstorm accompanied with squall very likely at isolated places over Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
 Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha, Telangana, Rayalaseema, Coastal Andhra Pradesh, South Interior Karnataka and Kerala.
 Heat wave conditions very likely to prevail in one or two pockets over Saurashtra & Kutch.

Based on the forecast generated by INCOIS, rough Sea conditions very likely to prevail along & off West coast and south Tamil Nadu coast during next 12 hours and along & off West Bengal, Odisha, north Andhra Pradesh coast and West coast of Andaman & Nicobar Islands. Fishermen are advised to be cautious while venturing into the coastal areas along & off these regions.

- **25 April (Day 2):** Thunderstorm accompanied with squall very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

Thunderstorm accompanied with gusty winds very likely at isolated places over Tamil Nadu & Kerala.

Heat wave conditions very likely to prevail in one or two pockets over Vidarbha.

Based on the forecast generated by INCOIS, rough Sea conditions very likely to prevail along & off West Bengal, Odisha, north Andhra Pradesh coast and West coast of Andaman & Nicobar Islands. Fishermen are advised to be cautious while venturing into the coastal areas along & off these regions.

- **26 April (Day 3):** Thunderstorm accompanied with squall and hail likely at isolated places over Sub-Himalayan West Bengal & Sikkim.

Thunderstorm accompanied with gusty winds likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Bihar, Jharkhand, Gangetic West Bengal Tamil Nadu & Kerala.

Duststorm/thunderstorm likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and north Rajasthan.

Heat wave conditions very likely to prevail in one or two pockets over Vidarbha.

- **27 April (Day 4):** Thunderstorm accompanied with squall and hail likely at isolated places over Himachal Pradesh, Uttarakhand and Sub-Himalayan West Bengal & Sikkim.

Thunderstorm accompanied with squall likely at isolated places over Jammu & Kashmir, Bihar Jharkhand and Gangetic West Bengal.

Thunderstorm accompanied with gusty winds likely at isolated places over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh.

Duststorm/thunderstorm likely at isolated places over north Rajasthan.

- **28 April (Day 5):** Thunderstorm accompanied with squall and hail likely at isolated places over Himachal Pradesh, Uttarakhand and Sub-Himalayan West Bengal & Sikkim.

Thunderstorm accompanied with squall likely at isolated places over Jammu & Kashmir, East Uttar Pradesh, Bihar, Jharkhand and Gangetic West Bengal.

Thunderstorm accompanied with gusty winds likely at isolated places over Haryana, Chandigarh & Delhi, Punjab and West Uttar Pradesh.

Heavy rain likely at isolated places over Andaman & Nicobar Islands.

Heavy Rainfall warning and Advisory

Warning:

- Heavy rain likely at isolated places over Andaman & Nicobar Islands on 28th April.

Advisory:

- In view of expected rain with isolated heavy rain in above region, provide adequate drainage in standing crops to avoid water stagnation. Avoid sowing of summer crops during heavy spells of rain.

Thunderstorm accompanied with hail/ squall/ gusty winds

Warning:

- Thunderstorm accompanied with squall and hail likely at isolated places over Sub-Himalayan West Bengal & Sikkim on 26th, 27th and 28th April and over Himachal Pradesh and Uttarakhand on 27th and 28th April.
- Thunderstorm accompanied with squall very likely at isolated places over Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 24th and 25th, over Sub-Himalayan West Bengal on 25th over Jammu & Kashmir, Jharkhand, Bihar and Gangetic West Bengal on 27th and 28th over East Uttar Pradesh on 27th April.
- Thunderstorm accompanied with gusty winds very likely at isolated places over Kerala during next 3 days, over Odisha, Telangana, Rayalaseema, Coastal Andhra Pradesh, South Interior Karnataka on 24th, over Tamil Nadu on 25th & 26th, over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Bihar, Jharkhand, Gangetic West Bengal on 26th over Punjab on 27th over Haryana, Chandigarh & Delhi and Uttar Pradesh on 27th and 28th April.
- Duststorm/thunderstorm likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh on 26th and over north Rajasthan on 26th and 27th April.

Advisory:

- In view of expected thunderstorm accompanied with squall / gusty winds in above regions arrange support to young fruit plants and vegetables, propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safe places. Avoid chemical spraying/dusting during the period.
- In view of thunderstorm accompanied with squall and hail over Sub-Himalayan West Bengal & Sikkim, Himachal Pradesh and Uttarakhand make arrangement for hailnet or hailcaps in orchards to protect orchard fruits and fruit vegetables like tomato from damage due to hail. Harvest matured fruits and fruit vegetables as early as possible.

Heat Wave warning and Advisory

Warning:

- Heat wave conditions very likely to prevail in one or two pockets over Saurashtra & Kutch during next 24 hours and over Vidarbha on 25th & 26th April.

Advisory:

- In view of expected heat wave conditions in above regions, apply light and frequent irrigation in standing crops to cope up with the excess evaporative demand due to high temperature.
- Mulch orchard with straw/polythene to conserve soil moisture
- As temperature is increasing, provide sufficient clean drinking water to animals. Provide gunny bag covering outside cowshed and sprinkle water. Avoid grazing of animals during the peak period of the day i.e. 11.00 AM to 3.00 PM.

Warning and Advisory for Fishermen

- Rough Sea conditions very likely to prevail along & off West coast and south Tamil Nadu coast during next 12 hours and along & off West Bengal, Odisha, north Andhra Pradesh coast and West coast of Andaman & Nicobar Islands during next 48 hours.
- Fishermen are advised to be cautious while venturing into the coastal areas along & off these regions.

Agromet Advisories for summer crops from different AMFUs in the country

State-wise Advisories

Assam

- In North Bank Plain Zone, continue land preparation & direct sowing of ahu rice (Variety: Banglami, Rangadoria, Ahu joha, Rasi etc.) and sowing should be completed within April. Utilizing available soil moisture, undertake sowing of maize selecting high yield variety like Ganga-5 & High Starch etc or composite maize (NLD, Dhawal, Naviot etc)
- In Lower Brahmaputra Valley Zone, complete sowing upto April end of Bao rice (Variety: Kekua Bao, Negheri Bao etc. and other varieties are Maguri, Panikekua, Panindra, Padmanath etc.), undertake sowing of cow pea (variety like Pusa Barsati.)

Odisha

- In Western Undulating Zone, maintain water level upto 5 cm in summer rice at milk to hard dough stage. To control stem borer spray Chlorantraniliprole 18.5SC@ 80ml per acre @ 0.4 ml/litre water.
- In Eastern Ghat High Land Zone, maintain water level up to 5cm summer rice crop at panicle initiation stage.

Jammu& Kashmir

- In Sub Tropical Zone, continue land preparation for sowing of moong and mash. Continue harvesting and threshing of wheat, mustard and lentil crops in clear weather. Keep harvested produce at safer places.
- In Intermediate Zone, undertake sowing of maize, okra and French bean and transplanting of cucurbits and vegetables.

Rajasthan

- In Bikaner district of Arid Western Plain Zone, undertake sowing of fodder crops like fodder pearl millet, sorghum, cowpea as per the availability of water. In Jodhpur district undertake land preparation for sowing of irrigated cotton.
- In Flood Prone Eastern Plain Zone, apply light and frequent irrigations to horticultural crops, cover saplings with thatching material to protect against high temperature ensuring proper aeration.

Gujarat

- In South Gujarat Heavy Rainfall Zone, maintain water level of 2-3 cm in transplanted rice field.
- In North Gujarat Zone, carry out intercultural operations in groundnut, pearl millet, green gram, cowpea and vegetable crops. Apply irrigation in standing crops at regular intervals.

Andhra Pradesh

- In Scarce Rainfall Zone of Rayalaseema, leaf folder incidence is observed in some parts Anantapur district in rice, spray Chlorpyrifos @ 2 ml/litre water.
- In the North Coastal Zone, Spray Propiconazole @ 1.0 ml/litre for whip smut and Chlorpyrifos @ 2.5 ml. / litre for early shoot borer in sugarcane crop.

Tamil Nadu

- In the Cauvery Delta Zone, continue harvesting of rice fallow black gram. Continue sowing of black gram in Chitrai Pattam under summer irrigated conditions. Provide irrigation to sesame, sugarcane and rice fallow cotton crops.
- In the Western Zone, provide staking to five months or older banana plants. Irrigate coconut and banana plantations according to the soil moisture.

Maharashtra

- As heat wave condition is expected in one or two pockets of Vidarbha on 25th & 26th April, apply light and frequent irrigation to summer crops, vegetables and orchards. Protect the animals from heat. Keep good aeration in animal shed.
For protection of poultry birds from heat, hang curtains around the poultry shed and sprinkle it with water. Apply layer of grass or gunny bags on the roof of poultry shed and sprinkle water on it. Provide fresh and cool drinking water for the poultry birds and chicks.
- In Konkan, continue harvesting of early maturing rice and matured groundnut.
- In Madhya Maharashtra, apply irrigation to summer crops, vegetables and fruits crops as per requirement. Irrigation should be given during evening hours. To control sucking pest in summer vegetables, spray Imidacloprid 70% WG @ 0.7 g or Thiamethoxam 25 WG @ 2 g per 10 litres of water.
- In Marathwada, undertake harvesting of matured groundnut. Apply irrigation by drip irrigation method to sugarcane during early morning or evening hours. Also apply irrigation to summer maize, vegetables and mango orchard. Also apply mulch to preserve soil moisture.
- In Vidarbha, heat wave condition in one or two pockets is expected on 25th & 26th April, apply light and frequent irrigation to summer crops, vegetables and orchards. To control fruit borer in vegetable crops like tomato & okra, spray Quinalphos 25 EC @ 20 ml per 10 litres of water.