

Advisory for DD Kisan dated 27.03.18

(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 prevail over some parts Gujarat state and West Rajasthan during next 24 hours and over western Himalayan region during next 3 days. They are likely to occur over some parts of Saurashtra & Kutch, east Vidarbha and Telangana on 30th & 31st March.
- Favorable conditions for the occurrence of Thundersqualls and isolated heavy rainfall are likely to develop over parts of eastern India including West Bengal, Bihar, Jharkhand, Odisha, Assam & Meghalaya and Mizoram & Tripura.
- Yesterday, heat wave to severe heat wave conditions observed over some parts of Saurashtra & Kutch and heat wave conditions observed at one or two places over Gujarat region, southwest Rajasthan and north Konkan.

Realised Rainfall

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

- Rain/thundershowers observed at many places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at a few places over Arunachal Pradesh and Sub Himalayan West Bengal & Sikkim and at isolated places over Tamil Nadu & Puducherry and Kerala.

Maximum temperature

- **Maximum temperature departures as on 26.03.2018:** Maximum temperatures were markedly above normal (5.1°C or more) at most places over Jammu & Kashmir and West Rajasthan; at many places over Himachal Pradesh and Saurashtra & Kutch; at a few places over Punjab; at isolated places over Gujarat region and Konkan & Goa; appreciably above normal (3.1°C to 5.0°C) at isolated places over Himachal Pradesh, Punjab, West Uttar Pradesh, Assam & Meghalaya, East Rajasthan, West Madhya Pradesh, Saurashtra & Kutch, Gujarat and Konkan & Goa; above normal (1.6°C to 3.0°C) at a few places over Haryana, Sub-Himalayan West Bengal & Sikkim, Vidarbha, Marathwada, Madhya Maharashtra, West Madhya Pradesh and East Rajasthan; at isolated places over West Uttar Pradesh, Gangetic West Bengal, Odisha, East Madhya Pradesh, Coastal Karnataka and Konkan & Goa.
- The **highest maximum temperature of 42.5°C** recorded at **Porbandar (Saurashtra & Kutch)** over the country.

Temperature Forecast:

- Maximum temperatures very likely to rise by 2-3°C over northwest India and by 1-2°C over central India during next 2-3 days.
- No significant change in minimum temperatures likely over rest of the country during next 2 days.

5 Day Rainfall Forecast (Mid-day) 27th March 2018

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

- **27 March (Day 1):** Thunderstorm accompanied with gusty winds very likely at isolated places over Assam & Meghalaya and Mizoram & Tripura.
Heat wave conditions very likely over some parts of Jammu & Kashmir, Himachal Pradesh, Uttarakhand, southwest Rajasthan, Saurashtra & Kutch and some pockets over Gujarat region.
- **28 March (Day 2):** Thunderstorm accompanied with squall very likely at isolated places over Mizoram & Tripura.
Thunderstorm accompanied with gusty winds very likely at isolated places over Assam & Meghalaya.
- Heat wave conditions very likely over some parts of Jammu & Kashmir, Himachal Pradesh and Uttarakhand.
- **29 March (Day 3):** Thunderstorm accompanied with Hail and gusty winds very likely at isolated places over Sikkim.
Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya and Mizoram & Tripura.
Thunderstorm accompanied with gusty winds very likely at isolated places over West Bengal.
Heat wave conditions very likely over some parts of Jammu & Kashmir, Himachal Pradesh and Uttarakhand.
- **30 March (Day 4):** Heavy to very heavy rain likely at isolated places over Assam & Meghalaya.
Thunderstorm accompanied with Hail and gusty winds very likely at isolated places over Sikkim and Jharkhand.
Thunderstorm accompanied with squall very likely at isolated places over West Bengal, Assam & Meghalaya and Mizoram & Tripura.
Thunderstorm accompanied with gusty winds very likely at isolated places over Bihar and Odisha.
Heat wave conditions likely over some parts of Saurashtra & Kutch, Telangana and East Vidarbha.
- **31 March (Day 5):** Heavy rain likely at isolated places over Assam & Meghalaya and West Bengal.
Thunderstorm accompanied with squall very likely at isolated places over Bihar, Jharkhand, west Bengal & Sikkim.
Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha, north coastal Andhra Pradesh.
Heat wave conditions likely over some parts of Saurashtra & Kutch, Telangana and East Vidarbha.

Thunderstorm accompanied with squall/ gusty winds

Warning:

- Thunderstorm accompanied with gusty winds very likely at isolated places over Assam & Meghalaya during next 48 hours and thunderstorm accompanied with squall on 29th March.
- Thunderstorm accompanied with gusty winds very likely at isolated places over and Mizoram & Tripura during next 24 hours and Thunderstorm accompanied with squall for subsequent 48 hours.
- Thunderstorm accompanied with Hail and gusty winds very likely at isolated places over Sikkim on 29th & 30th March and over Jharkhand on 29th March.
- Thunderstorm accompanied with squall very likely at isolated places over Bihar, Jharkhand, West Bengal & Sikkim on 30th March.

Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha, north coastal Andhra Pradesh on 30th march.

Advisory:

- In view of expected thunderstorm accompanied with hailstorm over Sikkim and Jharkhand, protect orchard crops from mechanical damage. Arrange support to young fruit plants and vegetables
- 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.

Heat wave conditions

- Heat wave conditions very likely over some parts of Jammu & Kashmir, Himachal Pradesh, Uttarakhand, during next 3 days, over southwest Rajasthan, some pockets over Gujarat region during next 24 hours over Saurashtra & Kutch during next 24 hours and on 30th and 31st march. Heat wave conditions likely over some parts of Telangana and East Vidarbha on 30th and 31st march.

Advisory:

- In above region apply light and frequent irrigation in standing crops to cope up with the excess evaporative demand due to high temperature.

Heavy rainfall

- Heavy to very heavy rain likely at isolated places over Assam & Meghalaya on 30th and heavy rain on 31st march, Heavy rain likely at isolated places over West Bengal on 31st march .

Advisory:

- In view of expected heavy rain in above region, postpone irrigation. Provide adequate drainage in standing crops.

Agromet Advisories for summer crops from different AMFUs in the country

Sate-wise Advisories

Jammu & Kashmir

- In Sub Tropical Zone, continue transplanting of tomato, brinjal and chilli. Continue direct sowing of okra, bottle gourd, bitter gourd and pumpkin. Continue harvesting of mustard crop.
- In Intermediate Zone, continue transplanting of cucurbits and vegetables. Continue planting of orchards.

Uttarakhand

- In mid and high hills of Bhabar and Tarai Zone, continue nursery sowing of brinjal, tomato, capsicum and chilli. Continue sowing of barnyard millet and French bean. Undertake transplanting of brinjal, chilli and capsicum in valley.
- Continue sowing of French bean and okra in Hill Zone. Undertake transplanting of brinjal, tomato, capsicum etc.

Himachal Pradesh

- In Sub-Montane and Low Hill Sub Tropical Zone, continue sowing of sunflower in lowland mid-hill areas. Continue sowing of green gram and black gram.

Punjab, Haryana & Delhi

- In Western Plain Zone of Punjab, continue sowing of summer moong and mash. Continue harvesting of matured mustard.
- In Undulating Plain Zone of Punjab, continue planting of sugarcane. Continue transplanting of cucurbits. Continue sowing of summer mash and moong.
- In Western Zone of Haryana, continue harvesting of late sown mustard. Continue sowing of green gram, black gram and planting of sugarcane. Continue sowing of lady's finger, bottle gourd, cucumber, ridge gourd and summer radish.
- In Delhi, continue sowing of French bean, cluster bean, summer radish. Continue sowing of green gram and black gram.

Uttar Pradesh

- In Allahabad district of Central Plain Zone, continue harvesting of matured mustard. Continue sowing of green gram and black gram.
- Continue sowing of okra and cucurbits in Eastern Plain Zone. Complete harvesting of matured mustard and pea. Continue sowing of green gram and black gram.

Rajasthan

- Continue harvesting of matured mustard and cumin in Jodhpur district of Arid Western Plain Zone.
- In Sub Humid Southern Plain and Aravalli Hill Zone, continue harvesting of matured wheat. Continue sowing of guar and cowpea. Apply irrigation in summer groundnut at flowering stage.
- In Irrigated North Western Plain Zone, continue planting of sugarcane.

Odisha

- In Mid Central Table Land Zone, apply irrigation in maize at tasselling stage.
- In North Eastern Ghat Zone, continue sowing of summer cowpea. In North Central Plateau Zone, complete transplanting of rice.
- In Western Undulating Zone, continue harvesting of matured groundnut.

Bihar

- In South Bihar Alluvial Zone, continue sowing of green gram and black gram.
- In North West Alluvial Plain Zone, continue the sowing of summer maize varieties such as Suwan, Deoki, Ganga 11, Shaktiman-1, 2, 3, 4 & 5. Undertake sowing green gram and black gram.
- In North East Alluvial Zone, continue sowing of summer vegetables such as okra, pumpkin, cucumber, sponge gourd ridge gourd and bitter gourd.

Jharkhand

- In South Eastern Plateau Zone, continue harvesting of matured chickpea, lentil, pigeonpea and

mustard. Apply irrigation in wheat at dough stage.

- In Western Plateau Zone, apply irrigation in summer moong.

West Bengal

- In Coastal Saline Zone, continue sowing of green gram.
- In the New Alluvial Zone, undertake sowing of green gram and black gram. Undertake sowing of French bean, cluster bean and summer radish.
- In the Terai Zone, keep 3-5 cm of water level in Boro paddy field. Provide mulching to cucurbit crops.
- In the Old Alluvial Zone, continue sowing of summer green gram in a land with good drainage facility. Carry out harvesting of lentil.

Assam & Meghalaya, Arunachal Pradesh

- In Arunachal Pradesh, continue harvesting of cabbage, cauliflower, ginger, turmeric, potato, toria, mustard and pineapple after current spells of rain. Avoid sowing of summer vegetables. Carry out land preparation for Jhum rice. Undertake sowing in clear weather.
- In Lower Brahmaputra Valley Zone of Assam, continue land preparation for summer sesame. Avoid irrigation to Boro rice at active tillering stage as rainfall is expected during next 5 days. Continue sowing of okra and summer gourd vegetables after current spells of rain.
- In Upper Brahmaputra Valley Zone, repair the bund in the crop field in order to conserve the anticipated rainfall.
- In the Barak Valley Zone, Continue sowing of Ahu rice (direct seeded) in clear weather.
- In the North Bank Plain Zone, continue land preparation/sowing of Bau rice (varieties Maguri, Panikekua, Amona, Negheri etc.).

Maharashtra

- In South Konkan, some varieties of rice are in harvesting stage. Remove water from the field at least 8-10 days before harvesting. At the time of harvesting grains should be 90 % matured. Continue the harvesting of 80 to 85% matured mangoes in morning and evening hours. Keep the harvested fruits in shade to prevent spongy tissue disease and to protect from heat. Transport of harvested fruits should be done preferably during night hours. Do not apply any insecticides /fungicides 8 days before harvesting of mango fruits. Apply of 80-100 litres of water per tree at 7 days interval as per the availability of water.
- In Madhya Maharashtra, apply irrigation to groundnut crop. Due to the changing weather conditions immature fruit drop of mango may occur, to control it irrigate mango trees once in interval of 10 to 15 days. In view of increasing temperature apply light irrigation to vegetables and orchards. Also apply mulch for soil moisture conservation. To reduce evaporation spray 8% Kaolin.
- In Marathwada, apply irrigation to groundnut, vegetables and orchards. Apply irrigation and undertake mulching in mango orchard. Apply irrigation during night time to control flower drop in vegetables. Also undertake intercultural operations like light hoeing and weeding in vegetables.
- In Vidarbha, maintain 2-3 cm water level in transplanted rice fields. Apply light and frequent irrigation to vegetables crops and orchards.