

Advisory for DD Kisan dated 17.04.18

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

Significant Weather Features

- The ongoing precipitation over Western Himalayan region is very likely to reduce from tomorrow. Subsequently, enhanced rainfall activity due to a fresh Western Disturbance is once again likely over these regions during 19th-21st April. Isolated thunder-squalls and hailstorms over Western Himalayan region and thunderstorms with gusty winds over northern plains is likely on 20th April.
- Enhanced rainfall activity with isolated thunder-squalls are likely over Northeastern states from 18th April. Isolated thunder-storms with gusty winds and occasional squalls & lightning are likely over parts of south peninsula during the forecast period with increased severity over Kerala, South Interior Karnataka and north interior Tamil Nadu on 19th and 20th April.
- Heat wave conditions are likely to prevail over some parts of Rajasthan, West Madhya Pradesh, East Uttar Pradesh and Vidarbha during 18th19th April. Day maximum temperatures are likely to remain above 40°C over parts of northwest and central India.

Realised Rainfall

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

- Rain / thundershowers at most places over Jammu & Kashmir and Himachal Pradesh; at a few places over Kerala; at isolated places over Uttarakhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub- Himalayan West Bengal & Sikkim, Punjab, Uttar Pradesh, Bihar, East Madhya Pradesh, Marathwada, Karnataka, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Lakshadweep and Andaman & Nicobar Islands.

Maximum temperature

- **Maximum temperature departures as on 16.04.2018:**
- Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Haryana, Chandigarh & Delhi; at isolated places over Arunachal Pradesh, Assam & Meghalaya and Odisha; above normal (1.6°C to 3.0°C) at many places over Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh; at a few places over Uttar Pradesh, Bihar, Jharkhand, Rajasthan, Madhya Pradesh, Saurashtra & Kutch and Konkan & Goa; at isolated places over Himachal Pradesh, Uttarakhand, West Bengal & Sikkim and Tamil Nadu & Puducherry.
- **The highest maximum temperature of 43.7°C** was recorded at **Chandrapur** (Vidarbha) over the plains of the country.

Temperature Forecast:

- Maximum temperatures are likely to rise by 2-3°C over Northwest and Central India and by 1-2°C over West India during next 2 days.
- Day maximum temperatures are likely to remain above normal by 2-3°C over East India.
- No significant change in maximum temperatures likely over rest of the country during next 2 days

5 Day Rainfall Forecast (Mid-day) 17th April 2018

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

% 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

- 17 April (Day 1):** Thunderstorm accompanied with squall very likely at isolated places over Jammu & Kashmir, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Odisha. Thunderstorm accompanied with lightning & gusty winds very likely at isolated places over Madhya Maharashtra. Thunderstorm accompanied with gusty winds very likely at isolated places over Chhattisgarh, West Bengal & Sikkim, Bihar, Jharkhand, Odisha, north Coastal Andhra Pradesh, Karnataka, Kerala and Tamil Nadu. Heat wave condition very likely at one or two pockets over West Rajasthan.

- **18 April (Day 2):** Thunderstorm accompanied with squall & hail very likely at isolated places over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya.
Thunderstorm accompanied with squall very likely at isolated places over Nagaland, Manipur, Mizoram & Tripura, Odisha and Gangetic West Bengal.
Thunderstorm accompanied with gusty winds very likely at isolated places over north Coastal Andhra Pradesh, interior Tamil Nadu, Interior Karnataka and Telangana.
Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Marathwada.
Heat wave conditions very likely in some parts of Rajasthan and West Madhya Pradesh and at one or two pockets over East Uttar Pradesh and Vidarbha.
- **19 April (Day 3):** Thunderstorm accompanied with squall & hail very likely at isolated places over Sub-Himalayan West Bengal & Sikkim.
Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Kerala and Rayalaseema.
Heat wave conditions likely in some parts of Rajasthan and West Madhya Pradesh and at one or two pockets over East Uttar Pradesh and Vidarbha.
- **20 April (Day 4):** Thunderstorm accompanied with squall and hail very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Sub-Himalayan West Bengal & Sikkim.
Thunderstorm accompanied with squall very likely at isolated places over Kerala, north Interior Tamil Nadu and South Interior Karnataka.
Thunderstorm accompanied with gusty winds very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh.
Heavy rain likely at isolated places over South Interior Karnataka, Kerala and Interior Tamil Nadu.
- **21 April (Day 5):** Thunderstorm accompanied with squall likely at isolated places over Jammu & Kashmir and Himachal Pradesh.
Thunderstorm accompanied with gusty winds likely at isolated places over Uttarakhand, Kerala and north Coastal Andhra Pradesh

Heavy Rainfall warning and Advisory

Warning:

- Heavy rain very likely at isolated places over Kerala, Interior Tamil Nadu and South Interior Karnataka on 20th April.

Advisory:

- In view of expected rain with isolated heavy rain in above regions, 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 Assam & Meghalaya on 18th, over Sub-Himalayan West Bengal & Sikkim during 18 to 20th April, and over Jammu & Kashmir and Himachal Pradesh, Uttarakhand on 20th April.
- Thunderstorm accompanied with squall very likely at isolated places over Jammu & Kashmir on 17th & 21st, Assam & Meghalaya and Odisha on 17th, over Nagaland, Manipur, Mizoram & Tripura on 17th & 18th, over Gangetic West Bengal on 18th, Kerala, north Interior Tamil Nadu and South Interior Karnataka on 20th over Jammu & Kashmir and Himachal Pradesh on 21st April.
- Thunderstorm accompanied with lightning & gusty winds very likely at isolated places over Madhya Maharashtra on 17th, over Marathwada on 18th April.
- Thunderstorm accompanied with gusty winds very likely at isolated places over Chhattisgarh, West Bengal & Sikkim, Bihar, Jharkhand, Odisha, north Coastal Andhra Pradesh, Karnataka, Kerala and Tamil Nadu on during next two days, over west Uttar Pradesh, Punjab, Haryana on 20th 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 Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Jammu & Kashmir and Himachal Pradesh, 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.
- In view of thunderstorm accompanied with lightning & gusty winds very likely at isolated places over Madhya Maharashtra and Marathwada, farmers are advised not to work in the field and keep cattle in shed during thunderstorm and lightning period.

Heat Wave warning and Advisory

Warning:

Heat wave condition very likely at one or two pockets over West Rajasthan during next 24 hours, and in some parts of Rajasthan and West Madhya Pradesh and at one or two pockets over East Uttar Pradesh and Vidarbha on 18th and 19th 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.

Agromet Advisories for summer crops from different AMFUs in the country

Sate-wise Advisories

Tamil Nadu

- In Cauvery Delta Zone, undertake sowing of black gram (variety ADT 5 and VBN 6) under summer irrigated condition.
- In Southern Zone, in banana prevailing weather condition is favorable for stem weevil incidence, Spray Monocrotophos 36 WSC @ 1 ml/ litof water. Prevailing weather condition is favourable for leaf folder incidence in rice, spray Phosalon 35 EC 1500 ml / ha or Phosphamidon 40 SL 1250 ml/ ha.

Jammu& Kashmir

- In Sub tropical zone, due to chances of rainfall for next 5 days, do not allow water to stagnate in wheat fields. Keep harvested crop to safer places. Postpone harvesting and threshing of crop till the weather gets clear, postpone harvesting and threshing of oilseeds and sowing of summer pulses.
- In Valley Temperate Zone, retain soil moisture in the field. Undertake transplanting of healthy seedlings of tomato, brinjal, chilli, sweet pepper in well prepared land after current spells of rain.

Himachal Pradesh

- In Sub-Montane and Low Hill SubTropical Zone, undertake harvesting of timely sown wheat crop in lower regions in clear weather & Keep harvested produce in safer place. Complete sowing moong and mash in irrigated areas.

Punjab, Haryana

- In Western Plain Zone of Punjab, undertake harvesting of matured wheat in clear weather, undertake sowing of *sathi* moong and *sathi* mash.
- In Western Zone of Haryana, continue sowing of green gram, black gram and planting of sugarcane.

Assam & Meghalaya

- In Lower Brahmaputra Valley Zone of Assam, undertake land preparation and sowing of Bao rice (Kekua Bao, Negheri Bao, Maguri, Panikekua, Panindra, Padmanath, etc).
- In Upper Brahmaputra Valley Zone, complete planting of banana suckers and papaya seedlings.
- In the Hill Zone of Assam, continue sowing of Early Ahu rice (direct seeded) with dwarf varieties (Luit, Kapilee, IR-36, Kalinga 3 etc.) and tall varieties (Baghlami, Rangadoria, Ahujaha, Kolamanik, etc.).

Maharashtra

- In view of expected thunderstorm accompanied with lightning and gusty winds over Madhya Maharashtra on 17th April and Marathwada on 18th April, provide mechanical support to orchards (banana, papaya), staking in vegetables and undertake propping in mid season sugarcane. Also farmers are advised not to keep animals under trees and in open fields.
- Protect the animals from high temperature. 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. For control of fruit borer in okra and tomato, spray Quinolphos 25% EC @ 20 ml or Chlorantriliprole 18.5% SC @ 3ml or Novhaleron 10% EC @15ml per 10 litre of water.
- In Marathwada, continue April pruning in grape orchard. Give support to banana plants and newly planted mango plants to protect them from high speed wind.
- In Vidarbha, heat wave conditions are expected on 18th and 19th April, apply light and frequent irrigation to summer crops, vegetables and orchards. To reduce fruit drop in orange and sweet orange due to prevailing high temperature, spray Potassium Nitrate (10 g/liter of water) on pea sized fruits of mandarin orange (ambia bahar) and spray of NAA @ 2 g + Urea 1 kg per 100 liters of water