

Advisory for DD Kisan dated 08.05.18

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

Significant Weather Features

- Yesterday Heat wave was observed at one or two pockets over Vidarbha.
- Maximum temperatures very likely to remain in the range of 40-44°C over Rajasthan, Gujarat, Madhya Pradesh, Interior Maharashtra and over some parts of Chhattisgarh, Telangana, Rayalaseema, Coastal Andhra Pradesh and North Interior Karnataka during next two days.
- Under the influence of the present Western Disturbance over Jammu & Kashmir & neighbourhood; the cyclonic circulation over Haryana & neighbourhood and a north-south trough from East Uttar Pradesh to Vidarbha in lower levels, thunderstorm accompanied with gusty winds and moderate squall (speed between 50 to 70 kmph) is very likely to continue at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh during next 24 hours. Hailstorm is also likely at isolated places over Himachal Pradesh and Uttarakhand during the same period.

Realised Rainfall

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

- Rainfall observed (from 0830 yesterday to 0830 hours IST of today): Rain/thundershowers observed at most places over Jammu & Kashmir, Himachal Pradesh, West Rajasthan, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at many places over Uttarakhand, Sub-Himalayan West Bengal & Sikkim and Kerala; at a few places over Andaman & Nicobar Islands and at isolated places over Punjab, East Rajasthan, Haryana & Delhi, East Uttar Pradesh, Gangetic West Bengal, Odisha, Coastal & South Interior Karnataka, interior Tamilnadu and Lakshadweep.

Maximum temperature

- **Maximum temperature departures as on 07.05.2018:** Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over Uttarakhand and East Madhya Pradesh; at many places over Jharkhand and Konkan & Goa; at a few places over Madhya Maharashtra, Vidarbha, Coastal Karnataka and Bihar and at isolated places over west Rajasthan, Delhi, Haryana & Chandigarh, East Uttar Pradesh, Chhattisgarh, Saurashtra & Kutch, Odisha, Telangana, Coastal Andhra Pradesh, Tamil Nadu & Puducherry, Assam & Meghalaya and Andaman & Nicobar Islands.
- **The highest maximum temperature of 45.1°C** was recorded at **Bramhapuri** (Vidarbha).

Temperature Forecast:

- No significant change in maximum temperatures over Northwest and Central India during next 2-3 days.
- Maximum temperatures very likely to remain in the range of 40-44°C over Rajasthan, Gujarat, Madhya Pradesh, Interior Maharashtra and over some parts of Chhattisgarh, Telangana, Rayalaseema, Coastal Andhra Pradesh and North Interior Karnataka during next 2 days and no significant change in maximum temperatures over rest of the country during the same period.

5 Day Rainfall Forecast (Mid-day) 8th May 2018

Met-Sub-Division	08-May Today	09May Wed	10May Thu	11May Fri	12May Sat
1. Andaman & Nicobar Islands	SCT	SCT	SCT	FWS	FWS
2. Arunachal Pradesh	FWS	FWS	SCT	SCT	SCT
3. Assam & Meghalaya	WS	WS	FWS	SCT	SCT
4. N. M. M. & T.	WS	WS	FWS	SCT	SCT
5. S.H. West Bengal & Sikkim	FWS	FWS	FWS	SCT	SCT
6. Gangetic West Bengal	ISOL	ISOL	ISOL	ISOL	SCT
7. Odisha	ISOL	ISOL	ISOL	ISOL	ISOL
8. Jharkhand	ISOL	ISOL	ISOL	ISOL	ISOL
9. Bihar	ISOL	SCT	ISOL	ISOL	ISOL
10. East Uttar Pradesh	ISOL	ISOL	DRY	DRY	DRY
11. West Uttar Pradesh	SCT	SCT	DRY	DRY	DRY
12. Uttarakhand	WS	FWS	DRY	DRY	ISOL
13. Haryana, Chd & Delhi	FWS	ISOL	DRY	DRY	DRY
14. Punjab	FWS	ISOL	DRY	DRY	ISOL
15. Himachal Pradesh	WS	SCT	DRY	DRY	ISOL
16. Jammu & Kashmir	FWS	ISOL	DRY	DRY	SCT
17. West Rajasthan	ISOL	DRY	DRY	DRY	DRY
18. East Rajasthan	SCT	ISOL	DRY	DRY	DRY
19. West Madhya Pradesh	ISOL	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	ISOL	ISOL
24. Madhya Maharashtra	DRY	DRY	ISOL	ISOL	ISOL
25. Marathwada	DRY	DRY	DRY	DRY	DRY
26. Vidharbha	DRY	DRY	DRY	DRY	DRY
27. Chhattisgarh	DRY	DRY	DRY	ISOL	ISOL
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	SCT
32. Coastal Karnataka	SCT	SCT	SCT	SCT	SCT
33. North Interior Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
34. South Interior Karnataka	SCT	SCT	SCT	SCT	SCT
35. Kerala	SCT	SCT	SCT	SCT	SCT
36. Lakshadweep	ISOL	ISOL	SCT	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

- **08 May (Day 1):** Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) and hail very likely at isolated places over Himachal Pradesh and Uttarakhand.
Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) very likely at isolated places over Jammu & Kashmir, Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh.
Thunderstorm accompanied with gusty winds very likely at isolated places over East Uttar Pradesh, West Bengal & Sikkim, Bihar, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, West Madhya Pradesh, East Uttar Pradesh, South Interior Karnataka, north Coastal Andhra Pradesh, Telangana, Rayalaseema, Tamil Nadu and Kerala.
Thunderstorm/ duststorm accompanied with squall very likely at isolated places Rajasthan.
Heavy rain very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Tamil Nadu, South Interior Karnataka and Kerala.
Heat wave conditions likely at one or two pockets over Vidarbha, interior Odisha and west parts of Jharkhand.
- **09 May (Day 2):** Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) and hail very likely at isolated places over Uttarakhand, Bihar and Sub-Himalayan West Bengal & Sikkim.
Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) very likely at isolated places over Jharkhand, Gangetic West Bengal.
Thunderstorm accompanied with gusty winds very likely at isolated places over Himachal Pradesh, Uttar Pradesh, East Rajasthan, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka, north Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu and Kerala.
Thunderstorm/ duststorm very likely at isolated places West Rajasthan.
Heavy rain very likely at isolated places over Tamil Nadu, South Interior Karnataka and Kerala.
Heat wave conditions likely at one or two pockets over Vidarbha, interior Odisha and west parts of Jharkhand.
- **10 May (Day 3):** Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) and hail very likely at isolated places over Sub-Himalayan West Bengal & Sikkim.
Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) very likely at isolated places over Gangetic West Bengal.
Heavy rain very likely at isolated places over Assam & Meghalaya.
Heat wave conditions likely at one or two pockets over Vidarbha.
- **11 May (Day 4):** Heat wave conditions likely at one or two pockets over Vidarbha.
- **12 May (Day 5):** Heavy rain very likely at isolated places over Coastal & South Interior Karnataka, Kerala and Tamil Nadu.
Heat wave conditions likely at one or two pockets over Vidarbha.

Heat Wave warning and Advisory

Warning:

- Heat wave conditions likely at one or two pockets over Vidarbha during next 5 days, over interior Odisha and west parts of Jharkhand during next 2 days.

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, Spray 5 to 7% kaolin to orange orchards to minimize evapotranspiration.
- 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.

Heavy Rainfall warning and Advisory

Warning:

- Heavy rain very likely at isolated places over Tamil Nadu, Kerala, South Interior Karnataka on 8th, 9th & 12th and over Assam & Meghalaya on 8th & 10th, over Nagaland, Manipur, Mizoram & Tripura on 8th May and over Coastal Karnataka on 12th May.

Advisory:

- In view of expected rain avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Avoid harvesting of matured crops and keep harvested produce at safer places.

Thunderstorm accompanied with hail/ squall/ gusty winds

Warning:

- Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) and hail very likely at isolated places over Himachal Pradesh on 8th, over Uttarakhand on 8th & 9th, over Bihar on 9th and over Sub-Himalayan West Bengal & Sikkim on 9th & 10th May.
- Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) very likely at isolated places over Jammu & Kashmir, Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh on 8th over Jharkhand, Gangetic West Bengal on 9th & 10th May.
Thunderstorm/ duststorm accompanied with squall very likely at isolated places Rajasthan on 8th May and West Rajasthan on 9th May.
- Thunderstorm accompanied with gusty winds very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, north Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu and Kerala on 8th & 9th over East Uttar Pradesh, West Bengal & Sikkim, Bihar, Jharkhand, West Madhya Pradesh, East Uttar Pradesh, South Interior Karnataka,

Telangana, on 8th over Himachal Pradesh, Uttar Pradesh, East Rajasthan, South Interior Karnataka on 9th May.

- Thunderstorm/ duststorm accompanied with squall very likely at isolated places Rajasthan on 8th May and Thunderstorm/ duststorm over west Rajasthan on 9th May.

Advisory:

- In view of thunderstorm accompanied with squall and hail over Himachal Pradesh and Uttarakhand, Bihar and Sub-Himalayan West Bengal & Sikkim use hail net for orchard crops to protect from mechanical damage. Provide support to young fruit plants and vegetables and propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safe places.
- In view of expected thunderstorm accompanied with squall / gusty winds in remaining 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 spraying/dusting of chemicals during the period.

Agromet Advisories for summer crops from different AMFUs in the country

State-wise Advisories

Jammu & Kashmir

- In Sub-tropical zone, due to chances of thundershowers/light rainfall during next 48 hours & 13th May, harvest and thresh the matured wheat crop and shift to safer place. Apply irrigation as per requirement to fruit plants, to protect young fruit plants from heat by providing thatches/cover but ensure free circulation of air.
- In Intermediate Zone, since there is forecast for rains during next 48 hours & 13th May, postpone harvesting of wheat crop. Store the threshed produce at safer places from crop fields. Continue sowing of vegetable crops .

Punjab, Haryana & Delhi

- In Western Zone of Punjab, continue sowing of Bt. cotton and desi cotton, transplanting of chilli. Continue harvesting of matured vegetables in clear weather. In Undulating Plain Zone, if early shoot borer symptoms noticed, spray Padan or Regent @ 10kg/acre followed by light irrigation.
- In Haryana, continue sowing of cotton. Prepare the land and sowing of green gram, Lobia, moth and Pigeon pea. Undertake field preparation for rice nurseries.
- In Delhi, keeping in view of day temperature, apply light irrigation as per requirement in all vegetable and standing crops. Irrigation should be done in the morning hours or in the evening hours. Continue field preparation for sowing of pigeonpea and cotton.

Rajasthan

- In Flood Prone Eastern Plain Zone, spray Malathion 50 EC @ 1ml/ litre water to control fruit fly attack in cucurbits.
- In Arid Western Plain Zone, undertake sowing of American Cotton.

Assam

- In Hill Zone, Continue transplanting of Ahu rice seedlings. Spray Carbendazim @ 1g/ litre water at tillering stage if blast spots are observed in rice. Spraying should be avoided in rainy days.
- In Lower Brahmaputra Valley Zone, undertake sowing of mesta (Variety : HC 583 and AMC 108), and *Kharif* Maize (Ganga 11, Deccan 107, Deccan 109, Vivek 9 and Quality Protein Hybrid like HQPM-1 and normal Composite variety like NLD, Parbhat, Novjot, Pusa Comp 1 & 2).
- In Barak Valley Zone undertake planting of lemon and banana.

Maharashtra

- In view of expected heat wave in one or two pockets of Vidarbha during next 5 days, apply light and frequent irrigation to summer crops, vegetables and orchards. Spray 8% kaolin to orange orchards to minimize evapotranspiration.
- Protect 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 chicken.
- In view of isolated rain/ thundershowers over Madhya Maharashtra on 10th, 11th and 12th May, keep the harvested produce in safer place.
- In South Konkan, undertake nursery bed preparation for kharif rice in harvested fields. Complete harvesting of matured groundnut.
- In Madhya Maharashtra, apply irrigation to summer crops, orchards and vegetables. Apply irrigation during evening hours. Also apply mulch to preserve soil moisture.
- In Marathwada, irrigate banana orchard using flood irrigation system during early morning or at evening hours. Apply irrigation to vegetables during early morning or evening hours. In water stress condition, spray sugarcane crop with mixture of 2 % Muriate of potash and 2 % Urea at 60, 120 and 180 days of planting.
- In Vidarbha, apply light and frequent irrigation to summer crops, vegetables and orchards. Also apply mulch to conserve soil moisture. Spray 8% kaolin to orange orchards to minimize evapotranspiration.

Andhra Pradesh

- In Krishna Godavari Zone, maintain 5 cm water level for effective grain filling. Undertake deep summer ploughing to destroy diapausing larvae of pink bollworm in soil and plant debris. To control sucking pests in groundnut, spray Monocrotophos @ 320 ml or Dimethoate @ 400 ml/acre.
- In Ananapur district, incidence of powdery mildew and fruit rot is observed in some parts of the district, spray Azoxystrobin @ 1ml/litre or Karathane @ 1ml+Mancozeb @ 2 g/lit of water

Karnataka

- In Central Dry zone, to manage Bacterial blight disease in pomegranate spray Streptomycin Sulphate @ 0.5 g. + Copper oxy-chloride @ 2 g per liter water.
- In Southern Transition Zone, spray Trycyclozole @0.6 g/litre or Carbendazim 1g/litre water for blast and for sheath blight spray Hexaconozol @ 1 ml/litre in rice crop.