

Advisory for DD Kisan dated 04.05.18

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

Significant Weather Features

- The severity of convection over northwest India is likely to reduce from today and remain so during next 48 hours. However, a fresh Western Disturbance and consequent changes in the wind pattern is likely to cause isolated thunder squalls and hailstorms over Western Himalayan Region and thunderstorms, squalls/dust storms over northern plains during 6th-9th May. Isolated dust storms are likely to continue over parts of Rajasthan during 4th-8th May.
- Conducive conditions for isolated thunder-squalls and heavy rainfall prevails over **north-east India** and over **south Peninsula** during next 3-4 days.
- Thunderstorm observed at a few places over Telangana and at isolated places over Jammu & Kashmir, Himachal Pradesh, East Rajasthan, Chhattisgarh, Rayalaseema, South Interior Karnataka, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh, Kerala and Tamil Nadu from 0830 hours IST of yesterday to 0830 hours IST of today.

Realised Rainfall

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

- Rain/thundershowers observed at most places over Kerala, South Interior Karnataka, Rayalaseema, Sub-Himalayan West Bengal & Sikkim and Andaman & Nicobar Islands; at many places over Jammu & Kashmir, Himachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh and Telangana, at a few places over Tamil Nadu & Puducherry, Coastal Karnataka, Assam & Meghalaya and at isolated places over East Rajasthan, East Madhya Pradesh, Uttar Pradesh, Haryana, Chandigarh & Delhi, Vidarbha, Odisha, Uttarakhand, Punjab, Arunachal Pradesh, Jharkhand and North Interior Karnataka.

Maximum temperature

- **Maximum temperature departures as on 03.05.2018:** Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over East Rajasthan; at many places over west Madhya Pradesh and Marathwada; at a few places over Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Assam & Meghalaya and Coastal & Interior Karnataka and at isolated places over Vidarbha, Kerala & Tamil Nadu & puducherry.
- **The highest maximum temperature of 46.0°C** was recorded at **Phalodi** (West Rajasthan).

Temperature Forecast:

- Maximum temperatures are likely to rise by 2-3°C over East India from 5th May onwards.
- Maximum temperatures are likely to continue to remain in the range of 40-43°C over parts of Gujarat, Telangana, Rayalseema and Interior Maharashtra during next 48 hours.
- No significant change in maximum temperatures over rest of the country during next 48 hours.

5 Day Rainfall Forecast (Mid-day)

4th May 2018

Met-Sub-Division	04-May Today	05May Sat	06May Sun	07May Mon	08May Tue
1. Andaman & Nicobar Islands	FWS	SCT	SCT	SCT	SCT
2. Arunachal Pradesh	SCT	FWS	FWS	FWS	SCT
3. Assam & Meghalaya	WS	WS	WS	WS	FWS
4. N. M. M. & T.	WS	WS	WS	WS	FWS
5. S.H. West Bengal & Sikkim	WS	FWS	FWS	FWS	FWS
6. Gangetic West Bengal	SCT	ISOL	ISOL	ISOL	DRY
7. Odisha	ISOL	ISOL	ISOL	ISOL	DRY
8. Jharkhand	ISOL	ISOL	ISOL	DRY	DRY
9. Bihar	ISOL	ISOL	ISOL	ISOL	ISOL
10. East Uttar Pradesh	ISOL	ISOL	DRY	ISOL	ISOL
11. West Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	SCT
12. Uttarakhand	SCT	SCT	FWS	FWS	FWS
13. Haryana, Chd & Delhi	ISOL	ISOL	ISOL	SCT	FWS
14. Punjab	ISOL	ISOL	SCT	FWS	FWS
15. Himachal Pradesh	SCT	FWS	WS	WS	FWS
16. Jammu & Kashmir	SCT	FWS	WS	WS	FWS
17. West Rajasthan	ISOL	DRY	DRY	ISOL	ISOL
18. East Rajasthan	ISOL	DRY	DRY	ISOL	ISOL
19. West Madhya Pradesh	ISOL	DRY	DRY	DRY	ISOL
20. East Madhya Pradesh	ISOL	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	ISOL	ISOL	DRY	DRY	DRY
26. Vidharbha	ISOL	DRY	DRY	DRY	DRY
27. Chhattisgarh	DRY	DRY	DRY	DRY	DRY
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	SCT	ISOL	ISOL	ISOL	SCT
32. Coastal Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
33. North Interior Karnataka	ISOL	ISOL	ISOL	ISOL	DRY
34. South Interior Karnataka	SCT	ISOL	ISOL	SCT	SCT
35. Kerala	FWS	SCT	SCT	SCT	FWS
36. Lakshadweep	ISOL	DRY	DRY	DRY	ISOL

% Station Reporting Rainfall

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

Weather Warning

- **04 May (Day 1):** Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and West Bengal. Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Punjab, Bihar, Jharkhand, Sikkim, Odisha, northwest Madhya Pradesh, Telangana, Rayalaseema, north coastal Andhra Pradesh, Interior Tamil Nadu and Kerala.
Heavy rain very likely at isolated places over Tamil Nadu and Kerala.
Dust storm/ Thunderstorm very likely at isolated places over Rajasthan.
- **05 May (Day 2):** Thunderstorm accompanied with squall very likely at isolated places over Uttarakhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim. Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Punjab and Gangetic West Bengal.
Heavy rain very likely at isolated places over Assam & Meghalaya and Tripura.
Dust storm very likely at isolated places over Rajasthan.
- **06 May (Day 3):** Thunderstorm accompanied with squall and hail very likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand.
Thunderstorm accompanied with squall very likely at isolated places over Sub-Himalayan West Bengal & Sikkim.
Thunderstorm accompanied with gusty winds very likely at isolated places over north Coastal Andhra Pradesh, Punjab and West Uttar Pradesh.
Heavy to very heavy rain very likely at isolated places over south Assam & Meghalaya; heavy rain very likely at isolated places over Tripura.
Heat wave conditions likely at one or two pockets over Vidarbha.
- **07 May (Day 4):** Thunderstorm accompanied with squall and hail very likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand.
Thunderstorm accompanied with squall very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Sub Himalayan West Bengal & Sikkim, South Interior Karnataka and Tamil Nadu.
Thunderstorm accompanied with gusty winds very likely at isolated places over East Uttar Pradesh.
Heavy rain very likely at isolated places over Assam & Meghalaya and Tripura.
Dust storm/ Thunderstorm very likely at isolated places over Uttar Pradesh and Rajasthan.
Heat wave conditions likely at one or two pockets over Vidarbha.
- **08 May (Day 5):** Thunderstorm accompanied with squall likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, South Interior Karnataka and Tamil Nadu. Thunderstorm accompanied with gusty winds likely at isolated places over East Uttar Pradesh and Kerala.
Heavy rain very likely at isolated places over Tamil Nadu, South Interior Karnataka and Kerala.
Dust storm/ Thunderstorm at isolated places over Uttar Pradesh and Rajasthan.
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 on 6th, 7th & 8th May.

Advisory:

- In view of expected heat wave conditions in Vidarbha, 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 and Kerala on 4th and 8th May, over Assam & Meghalaya and Tripura on 5th, 6th and 7th May with very heavy in south Assam on 6th May, over South Interior Karnataka on 8th 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 and hail very likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand on 6th and 7th May.
- Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura on 4th & 5th May, over West Bengal on 4th , Uttarakhand on 5th, Sub-Himalayan West Bengal & Sikkim on 5th, 6th & 7th over Punjab, Haryana, Chandigarh & Delhi , West Uttar Pradesh, South Interior Karnataka and Tamil Nadu on 7th & 8th, Jammu & Kashmir, Himachal Pradesh, Uttarakhand on 8th May.
- Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab on 4th & 5th over Haryana, Chandigarh & Delhi, Bihar, Jharkhand, Sikkim, Odisha, northwest Madhya Pradesh, Telangana, Rayalaseema, north coastal Andhra Pradesh, Interior Tamil Nadu and Kerala on 4th over Gangetic West Bengal on 5th, over north Coastal Andhra Pradesh, Punjab and West Uttar Pradesh on 6th East Uttar Pradesh on 7th & 8th over Kerala on 8th May.

- Dust storm/ Thunderstorm very likely at isolated places over Rajasthan on 4th , 5th , 7th and 8th May, over Uttar Pradesh on 7th & 8th May.

Advisory:

- In view of thunderstorm accompanied with squall and hail over Jammu & Kashmir, Himachal Pradesh and Uttarakhand, 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

- Continue sowing of maize, okra, French bean, moong and mash. Complete transplanting of cucurbits and vegetables, Continue nursery bed preparation for rice.
- Undertake nursery sowing of vegetables in trenches and polyhouses in Cold Arid Zone. Continue sowing of cucurbit seeds in poly bags for early nursery raising inside polyhouses.

Uttarakhand

- Continue harvesting of matured wheat and pulses and planting of turmeric, ginger and arbi after current spells of rain. Postpone intercultural operations in spring sugarcane.
- Undertake transplanting of capsicum and brinjal in the polyhouse in mid and high hills.

Himachal Pradesh

- Continue harvesting of matured wheat and sowing of bhindi, arvi etc. after current spells of rain. Continue nursery preparation of summer vegetables, raising of seedlings of cucurbits in polythene bags in poly house. Continue transplanting of summer vegetables like tomato, capsicum, gourd, chilli etc. in the well prepared fields.

Punjab, Haryana & Delhi

- In Punjab, continue sowing of Bt. cotton and desi cotton, transplanting of chilli. Continue harvesting of matured vegetables in clear weather.
- In Haryana, continue sowing of cotton. Farmers are advised to prepare the land and sowing of green gram, Lobia, moth and Pigeon pea. Undertake field preparation for rice nurseries.
- In Delhi, continue field preparation for sowing of pigeonpea and cotton. Continue harvesting of matured vegetables. Apply light irrigation in vegetables and standing crops.

Bihar:

- Continue sowing of summer maize (varieties such as Suwan, Deoki, Ganga 11, Shaktiman-1, 2, 3, 4). Continue sowing of green gram and black gram.
- Undertake sowing of vegetables like lady's finger, pumpkin, cucumber, sponge gourd etc.

Arunachal Pradesh

- Continue transplanting of seedlings of summer vegetables to main field from nursery.
- Continue transplanting Boro rice seedlings. Continue sowing of leguminous crops like cowpea, French bean, soybean, etc. Undertake sowing of large cardamom in primary nursery bed. Continue harvesting of potato, cabbage and cauliflower in clear weather.

Assam

- Continue land preparation and sowing of Bao rice (varieties like Kekua Bao, Negheri Bao, Maguri, Panikekua, Panindra, Padmanath, etc.), planting of banana, cucumber and colocasia and land preparation for sowing of Sali rice after current spells of heavy rain.
- Undertake transplanting of tall traditional varieties of Normal Ahu rice. Continue direct sowing of vegetables like French bean, amaranthus, vegetable lobia, lady finger, bottle gourd, cucumber, ridge gourd and summer radish.

Meghalaya

- Continue sowing of cucurbits like cucumber, pumpkin, bottle gourd, ash gourd, squash, French bean and cowpea.
- Continue land preparation and sowing of maize (varieties Vijay Composite, DA 61A, RCM 75, 76, Vivek Hybrid 25, Vivek QPM-1, etc.). Continue land preparation and sowing of French bean and cowpea.

Manipur

- Continue land preparation for sowing of colocasia, soybean, groundnut, kharif maize, black gram and red gram.
- Maintain optimum water depth of 5-8cm in the rice field. Drain out excess water that is accumulated in paddy field due to rain. Undertake sowing of bhindi. Undertake harvesting of mature onion and tomato in clear weather.

Maharashtra

- As heat wave conditions very likely in one or two pockets over Vidarbha on 6th, 7th and 8th May, apply light and frequent irrigation to the standing crops to cope up with the excess evaporative demand due to heat wave conditions, undertake mulching with straw/polythene to conserve soil moisture.
- 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, continue harvesting of matured groundnut. Keep the harvested produce in safer place. Apply irrigation to sugarcane (drip irrigation method), vegetables and orchards during early morning or evening hours.

- 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

- Maintain 5cm water from grain hardening to maturity stage in paddy crop. Undertake land preparation for pre-kharif crops like sesamum, bajra, mesta, etc.
- For the control of stem borer in rice, spray Chlorpyrifos @ 2.5ml (or) Acephate 1.5 g (or) Cartap Hydrochloride 2.0g per litre of water.

Tamil Nadu

- Undertake harvesting of rice when about 80% panicles have 80 % ripened spikelets and their upper portion is straw coloured. Carry out weeding and earthing up @ 45 DAS in rice fallow cotton. Carry out land preparation for planting turmeric.

Karnataka

- In South Interior Karnataka, continue land preparation and keep inputs ready for sowing of cowpea (TVX-944, KBC-1), sesamum (Navile-1, T-7), green gram (PS-16, PDM-84,178), black gram (Karagao-3, T-9, Rashmi (LBG-625)) and ragi (Indof-9, GPU-48) crops and undertake pre-monsoon sowing where sufficient rain is received.
- In Coastal Karnataka, continue harvesting of matured groundnut. For control of hoppers in mango, spray Malathion @ 2 ml/liter of water or Monocrotophos @ 1.25 ml/liter of water.