

Advisory for DD Kisan dated 11.05.18

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

Significant Weather Features

- Yesterday, Heat Wave conditions observed at one or two pockets over Vidarbha.
- An east-west trough runs from east Bihar to Nagaland in lower levels. Under its influence, thundersqualls and heavy rainfall are very likely at isolated places over Northeast India and isolated thundersqualls are likely over east India during next 3 days.

Realised Rainfall

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

- Rain/thundershowers observed at many places over Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and West Bengal & Sikkim; at a few places over Tamil Nadu & Puducherry and Andaman & Nicobar Islands; at isolated places over Odisha, Madhya Maharashtra, Karnataka, Rayalaseema and Kerala.

Maximum temperature

- **Maximum temperature departures as on 10.05.2018:** Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over Gujarat and Marathwada; at many places over Jammu & Kashmir, Rajasthan, Vidarbha, Madhya Maharashtra and Konkan & Goa; at a few places over west Madhya Pradesh and Andaman & Nicobar Islands ; at isolated places over Himachal Pradesh, East Madhya Pradesh and Odisha.
- **The highest maximum temperature of 46.0°C** was recorded at **Chandrapur (Vidarbha)**.

Temperature Forecast:

- Maximum temperatures very likely to remain in the range of 40-44°C over most parts of Rajasthan, Gujarat, Madhya Pradesh, Interior Maharashtra and over some parts of Chhattisgarh, Telangana, interior Odisha and North Interior Karnataka during next 2-3 days.
- Maximum temperatures very likely to rise by 2-3°C over Northwest India and by 1-2°C over West India during next 2-3 days and no significant change in maximum temperatures over rest of the country during the same period.

5 Day Rainfall Forecast (Mid-day)

11th May 2018

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

% 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

- **11 May (Day 1):** Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Gangetic West Bengal.

Thunderstorm accompanied with gusty winds very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Odisha, Jharkhand, Bihar, north Coastal Andhra Pradesh, Telangana, Rayalaseema, Interior Karnataka, Tamil Nadu & Puducherry, Lakshadweep and Kerala.

Heavy rain very likely at isolated places over Assam & Meghalaya, Coastal & South Interior Karnataka, Lakshadweep, Kerala and Tamil Nadu & Puducherry.

Heat wave conditions very likely at one or two pockets over West Madhya Pradesh, Vidharbha and West Rajasthan.

- 12 May (Day 2):** Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Gangetic West Bengal, Vidarbha, Chhattisgarh, Telangana, north Coastal Andhra Pradesh, South Interior Karnataka, Tamil Nadu & Puducherry, Lakshadweep and Kerala.

Heavy rain very likely at isolated places over South Interior Karnataka and Tamil Nadu & Puducherry.

Heat wave conditions very likely at one or two pockets over Rajasthan, West Madhya Pradesh and Vidarbha.
- 13 May (Day 3):** Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) and hail very likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) very likely at isolated places over East Uttar Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha and Jharkhand.

Thunderstorm accompanied with gusty winds very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Vidarbha, Chhattisgarh, Bihar, Telangana, north Coastal Andhra Pradesh, South Interior Karnataka, Tamil Nadu & Puducherry, Lakshadweep and Kerala.

Duststorm very likely at isolated places over Rajasthan.

Heat wave conditions very likely at one or two pockets over Rajasthan, West Madhya Pradesh and Vidarbha.
- 14 May (Day 4):** Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) and hail likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) likely at isolated places over East Uttar Pradesh, West Bengal & Sikkim, Jharkhand and Odisha.

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

Duststorm likely at isolated places over West Rajasthan.
- 15 May (Day 5):** Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) likely at isolated places over Sub-Himalayan West Bengal & Sikkim. Thunderstorm accompanied with gusty winds likely at isolated places over East Uttar Pradesh, Vidarbha and Chhattisgarh.

Heat Wave warning and Advisory

Warning:

- Heat wave conditions very likely at one or two pockets over West Madhya Pradesh, Vidarbha and Rajasthan during next 72 hours.

Advisory:

- As heat wave conditions very likely at one or two pockets over above regions, apply light and frequent irrigation in vegetables, orchard crops, green gram, black gram, maize to cope up with the excess evaporative demand due to heat wave conditions, undertake mulching with straw/polythene to conserve soil moisture.

- In view of the prevailing heat wave conditions in West Rajasthan and West Madhya Pradesh, grazing/feeding of cattle/goats may be done during morning/ evening hours. Keep animals under shade/shed during noon hours and provide plenty of water mixed with minerals for drinking.

Heavy Rainfall warning and Advisory

Warning:

- Heavy rain very likely at isolated places over Assam & Meghalaya, Coastal Karnataka, Lakshadweep and Kerala during next 24 hours and over South Interior Karnataka and Tamil Nadu & Puducherry during next 48 hours.

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 Jammu& Kashmir, Himachal Pradesh and Uttarakhand on 13th & 14th May.
- Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura on 11th ,12th & 13th and Gangetic West Bengal on 11 &13 over East Uttar Pradesh, , Odisha and Jharkhand on 13th 14th over Sub-Himalayan West Bengal & Sikkim on 15th May.
- Thunderstorm accompanied with gusty winds very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Odisha, Jharkhand, , Rayalaseema, Interior Karnataka on 11th over Bihar 11 & 13 north Coastal Andhra Pradesh,,Telangana Tamilnadu & Puducherry Lakshadweep and Kerala on 11, 12 , 13th May over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, , Gangetic West Bengal on 12th over Punjab, on 13th, over South Interior Karnataka12,13 over East Uttar Pradesh 12th & 15 over East Rajasthan, on 14th over Haryana, Chandigarh & Delhi, West Uttar Pradesh on 13th & 14th , over Vidharbha, Chhattisgarh on 12th , 13, 14 & 15th May.
- Duststorm very likely at isolated places over Rajasthan on 13th and over West Rajasthan on 14th May.

Advisory

- As thunderstorm accompanied with squall (wind speed reaching 50-70kmph) and hail very likely at isolated places over **Jammu & Kashmir, Himachal Pradesh** and **Uttarkhand** on 13th and 14th, 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

Sate-wise Advisories

Jammu & Kashmir

- Undertake weeding and hoeing in summer moong and mash in clear weather. Continue sowing of maize, okra, French bean, Continue nursery bed preparation for rice.
- Continue nursery sowing of vegetables in trenches and polyhouses in Cold Arid Zone Undertake land preparation for sowing of vegetables in open field.

Himachal Pradesh

- Continue harvesting of matured wheat in clear weather and continue sowing of bhindi, planting of arvi etc. Continue transplanting of vegetables like tomato, capsicum, gourd, chilli etc. in the fields. Undertake field preparation for rice nursery.

Punjab, Haryana & Delhi

- In Punjab, continue sowing of Bt. cotton and desi cotton, transplanting of chilli. Continue harvesting of matured vegetables. Procure the recommended varieties i.e. PR 126, PR 124, PR 123, PR 122, PR 121, PR 116, PR 114, PR 115, PR 113 etc. for kharif rice.
- In Haryana, continue sowing of cotton. Farmers are advised to prepare the land and sowing of green gram, Lobia, moth and Pigeon pea. Continue field preparation for rice nurseries.
- In Delhi, continue field preparation for sowing of pigenpea and cotton. Continue harvesting of matured vegetables. Apply light irrigation in vegetables and standing crops.

Odisha

- As scattered rainfall is expected during next 3 days, continue land preparation and sowing of summer pulses and planting of summer vegetables like cucurbits and lady's finger.
- Increased difference between daily maximum and minimum temperature favours the infestation of blast in rice field, spray Beam @ 1 g /litre water on a non-rainy day.

Bihar

- Continue sowing of summer maize (varieties: Suwan, Deoki, Ganga 11, Shaktiman-1, 2, 3, 4) and sowing of green gram and black gram utilizing the expected rainfall.
- Undertake sowing of vegetables like lady's finger, pumpkin, cucumber, sponge gourd etc.
- Undertake land preparation for planting of turmeric and ginger.

West Bengal

- In the Sub-Himalayan West Bengal, carry out land preparation/planting of ginger and turmeric. Continue transplanting of round chilli in the raised beds and provide proper drainage. Undertake land preparation for soybean cultivation.
- In Gangetic West Bengal, carry out harvesting of matured Boro rice during clear weather and keep at safer/covered places.

Assam

- Undertake harvesting of matured Boro rice, green gram and black gram in clear weather.. Continue planting of banana, cucumber and colocasia. Undertake nursery sowing of Sali rice. Due

to continuous rainfall during last couple of days may result in complete wash out of seeds/seedlings of jute. Farmers are advised for re-sowing of Oltorius varieties if already sown and emerged seedlings are washed away.

- Continue transplanting of tall traditional varieties of Normal Ahu rice. Continue direct sowing of vegetables and maize. Continue planting of banana varieties like Jahaji (dwarf variety) and Chenichampa, Malbhog, Barjahaji (medium tall variety).

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.).

Maharashtra

- As heat wave conditions very likely at one or two pockets over Vidarbha during next 72 hours, 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.
- As thunderstorm accompanied with gusty winds very likely at isolated places over Vidarbha from 12th to 15th May, 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 South Konkan, continue nursery bed preparation for kharif rice.
- In Marathwada, irrigate banana, pomegranate and sapota during early morning or at evening hours. Apply irrigation to vegetables during early morning or evening hours. Also apply organic mulch to conserve the moisture.
- In Vidarbha, in view of expected heat wave next 3 days, apply light and frequent irrigation to summer crops, vegetables and orchards. Also apply mulch to conserve soil moisture. Continue harvesting of matured summer crops like groundnut.
- In Konkan, if incidence of anthracnose observed in matured mango fruits, spray Carbendazim @ 0.5 g/litre of water.

Gujarat

- In North Gujarat, undertake land preparation for sowing of kharif crops.
- In South Gujarat, undertake nursery sowing for rice (NAUR-1, GNR-2 (Costal area) GNR-3, GNR-4, GNR-5, GNR-6 (Long duration), Jaya, Gurjari, GR-5, 7, 8, 9, IR-28, Purna and GAR-13)). Undertake sowing of cluster bean, cowpea, non Bt. cotton along with Bt. cotton as a refuse.

Madhya Pradesh:

- As heat wave conditions very likely at one or two pockets over West Madhya Pradesh, 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 West Madhya Pradesh, apply irrigation in vegetables, orchards, green gram, black gram, maize and groundnut. Continue seed bed preparation for sowing of kharif onion.
- In East Madhya Pradesh, apply irrigation in maize, groundnut, sugarcane, summer moong, urad and cucurbits. Continue harvesting of matured vegetables.

Kerala

- Utilizing the realized and expected rainfall, carry out land preparation for the nursery sowing of paddy crop. Continue planting of coconut seedlings and 3-4 months old banana suckers (varieties like Robusta, Poovan, Njalipoovan, Palayankodan, etc).
- Due to the increase in maximum temperature, there is a chance for infestation of spodoptera in banana. Destroy the affected leaves. Spray Flubendiamide (Fame) @ 2 ml/10 litre of water after current spells of rain.

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 paddy, spray Chlorpyrifos @ 2.5ml (or) Acephate 1.5 g (or) Cartap Hydrochloride 2.0g per litre of water.

Karnataka

- In South Interior Karnataka, continue land preparation and strengthen the bund with fodder grass which will facilitate conservation of rainwater due to pre-monsoon showers. Undertake pre-monsoon sowing of short duration crops like cowpea (TVX-944, KBC-1), sesame (Navile-1, T-7), green gram (PS-16, PDM-84,178), black gram (Karagao-3, T-9, Rashmi (LBG-625)), horse gram, field bean, groundnut (TMV-2, JL-24, KCG-6) and ragi (Indof-9, GPU-48) crops where sufficient rainfall is received. Undertake sowing of ginger and turmeric.