

**Advisory for DD Kisan dated 10.05.19**  
**(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)**

**Significant Weather Features**

- **Heat Wave** conditions are very likely to prevail over some parts of Vidarbha, Chhattisgarh & Telangana during next 24 hours and in isolated pockets over East Uttar Pradesh, Jharkhand, Bihar, Odisha, Gangetic West Bengal during next 48 hours.
- Due to the current Western Disturbance and ongoing moisture incursion from Arabian Sea, **rainfall/thunderstorm** activity very likely over many parts of northwest India from today. **Rainfall/thunderstorm** activity also likely to increase over Northeast & peninsular India from today. Isolated heavy rainfall is likely over Northeast India during next 4 days.

**Realised Weather**

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

- **Rain/Thundershowers observed (from 0830 hours IST yesterday to 0830 hours IST of today): at most places** over Arunachal Pradesh and Assam & Meghalaya; at a few places over Tamilnadu & Puducherry and at isolated places over Jammu & Kashmir, Punjab, Sub-Himalayan West Bengal & Sikkim and Rayalseema.
- **Thunderstorm observed (from 1730 hours IST of yesterday to 0830 hours IST of today)** at isolated places over Jammu & Kashmir.
- Yesterday, heat wave conditions were observed in isolated pockets over East Uttar Pradesh, Chhattisgarh, Vidarbha and Telangana.
- **Maximum temperature departures as on 09-05-2019:** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand; at many places over Nagaland, Manipur, Mizoram & Tripura and Jharkhand; at a few places over Punjab, Uttar Pradesh, Gangetic West Bengal, Odisha and Coastal Andhra Pradesh; at isolated places over Bihar and Tamilnadu & Puducherry; above normal (1.6°C to 3.0°C) at most places over Haryana, Chandigarh & Delhi and Telangana; at many places over Rayalseema; at a few places over Sub-Himalayan West Bengal & Sikkim, East Madhya Pradesh and Coastal Karnataka and at isolated places over Assam & Meghalaya.
- Yesterday, **the highest maximum temperature of 45.8°C** was recorded at **Brahmapuri** (Vidarbha).

## Weather Forecast for next 5 days upto 0830 hours IST 14<sup>th</sup> May 2019

- Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- Maximum temperatures are likely to fall by 2-3°C over Northwest & adjoining India from tomorrow. No significant change in temperatures likely over rest of the country during next 3 days.

**Table 1**  
**5 Day Rainfall Forecast (MID-DAY)**  
**10-May-2019**

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

### Heat wave

#### Warning

10.05.2019	Heat wave conditions in some parts very likely over Vidarbha, Chhattisgarh and Telangana and in isolated pockets over Coastal Andhra Pradesh, East Uttar Pradesh, Tamilnadu & Puducherry, Bihar, Jharkhand, Gangetic West Bengal and Odisha.
11.05.2019	Heat wave conditions in isolated pockets likely over Vidarbha, Chhattisgarh, Telangana, Bihar, Jharkhand, Gangetic West Bengal and Odisha.

#### Advisory

In above regions, apply light and frequent irrigation to the standing crops to cope up with the excess evaporative demand due to high temperature; mulching with straw to conserve soil moisture. Provide shade for protection of young fruit plants from scorching sun.

### Thunderstorm/Duststorm accompanied with gusty winds, hail and lightning

10.05.2019	Thunderstorm & lightning accompanied with hail and gusty wind (40-50 kmph) at isolated places very likely over Himachal Pradesh; with gusty winds (40-50 kmph) at isolated places over Jammu & Kashmir, Coastal Andhra Pradesh and with gusty wind (30-40 kmph) at isolated places over Tamilnadu & Pudducherry, Nagaland, Manipur, Mizoram & Tripura, Gujarat state. Thunderstorm/Duststorm & lightning accompanied with gusty wind (40-50 kmph) at isolated places very likely over West Rajasthan; with gusty wind (30-40 kmph) at isolated places over East Rajasthan, Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh.
11.05.2019	Thunderstorm & lightning accompanied with hail and gusty wind (40-50 kmph) at isolated places very likely over Himachal Pradesh & Uttarakhand; with gusty winds (40-50 kmph) at isolated places over Jammu & Kashmir, Madhya Pradesh and with gusty wind (30-40 kmph) at isolated places over Vidarbha, Chhattisgarh, Odisha, Coastal Andhra Pradesh, Telangana, Tamilnadu & Pudducherry, Kerala, Nagaland, Manipur, Mizoram & Tripura, Marathwada. Thunderstorm/Duststorm & lightning accompanied with gusty wind (50-60 kmph) at isolated places very likely over West Rajasthan; with gusty wind (40-50 kmph) at isolated places over East Rajasthan; with gusty wind (30-40 kmph) at isolated places over East Rajasthan, Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh.
12.05.2019	Thunderstorm & lightning accompanied with hail & gusty winds (30-40 kmph) at isolated places very likely over Uttarakhand; with gusty winds (40-50 kmph) at isolated places over Madhya Pradesh and with gusty winds (30-40 kmph) at isolated

	places over Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Nagaland, Manipur, Mizoram & Tripura, Marathwada, Coastal Andhra Pradesh, Telangana, Tamilnadu & Puducherry and Kerala.
13.05.2019	Thunderstorm & lightning accompanied with hail & gusty winds (40-50 kmph) at isolated places likely over Uttarakhand; with gusty winds (40-50 kmph) at isolated places over Jammu & Kashmir, Himachal Pradesh ; with gusty winds (30-40 kmph) at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Chhattisgarh, Bihar, Jharkhand, Odisha, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh, Telangana, Kerala and South Interior Karnataka. Thunderstorm/Duststorm & lightning accompanied with gusty winds (30-40 kmph) likely at isolated places over Rajasthan. Thunderstorm & lightning accompanied with squall (50-60 kmph) at isolated places likely over Gangetic West Bengal
14.05.2019	Thunderstorm & lightning accompanied with hail & gusty winds (40-50 kmph) at isolated places likely over Uttarakhand; with gusty winds (40-50 kmph) at isolated places over Jammu & Kashmir, Himachal Pradesh ; with gusty winds (30-40 kmph) at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Bihar, Jharkhand, Coastal Andhra Pradesh, Tamil Nadu & Puducherry and South Interior Karnataka. Thunderstorm/Duststorm & lightning accompanied with gusty winds (40-50 kmph) likely at isolated places over Rajasthan

#### Advisory

- In the above regions, provide mechanical support to young fruit plants, banana and staking in vegetables to prevent the crops from lodging due to strong winds. Undertake propping in sugarcane. Postpone application of plant protection measures and fertilizers to the standing crops during Strong / Squally / Gusty winds. Use hail net for orchard crops to protect from mechanical damage.

### **Heavy rainfall**

#### Warning

10.05.2019	Heavy Rain at isolated places very likely over Arunachal Pradesh and Assam & Meghalaya.
11.05.2019	Heavy Rain at isolated places very likely over Arunachal Pradesh and Assam & Meghalaya.
12.05.2019	Heavy rainfall at isolated places is likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Tamilnadu & Puducherry and Kerala
13.05.2019	Heavy rainfall at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, South Interior Karnataka, Tamilnadu & Puducherry and Kerala
14.05.2019	Heavy rainfall at isolated places likely over West Bengal & Sikkim, South Interior Karnataka, Tamilnadu & Puducherry and Kerala

## **Advisory**

- In above regions, postpone irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields. Keep harvested produce at safer places.

## **State-wise Advisories**

### **Jammu & Kashmir**

- In Jammu Division , undertake harvesting of normal and late sown wheat and continue sowing of maize
- In Valley region, undertake nursery sowing of rice, continue sowing of maize and complete sowing of kharif pulses.
- In High Hill Temperate zone of Himachal Pradesh undertake sowing of peas.

### **Assam and Arunachal Pradesh**

- In Barak Valley zone of Assam, continue nursery sowing of Sali rice after current spells of heavy rain.
- In Arunachal Pradesh undertake transplanting of rice seedlings may be done in well puddled WRC field, before transplanting cut the of upper portions of leaves of seedlings which helps in management of stem borer.

### **Punjab and New Delhi**

- In Western zone of Punjab, continue sowing of cotton including Bt cotton or desi Cotton
- In Undulating Plain Zone and Sub-Montane Undulating Zone of Punjab continue harvesting of matured wheat and oilseeds.
- In Delhi, continue sowing for green manure, sowing of green gram, cluster bean etc. may be done during this week, continue field preparation for sowing of pigeon pea and cotton.

### **Madhya Pradesh**

- In Kymore Plateau and Satpura Hill Zone, complete sowing of moong and summer vegetables and sowing of watermelon, melon, cucumber etc.
- In West Madhya Pradesh undertake sowing of summer moong in fallow fields.

### **Chhattisgarh**

- In Northern Hill Zone, undertake land preparation for kharif crops. Farmers are advised to arrange the seeds and prepare the nursery for sowing of long duration rice varieties.  
For control of powdery mildew diseases in cucurbitaceous family crops like bottle gourd, pumpkin, ridge gourd, and snake gourd, spray Karathan @ 1 gm/liter of water of water.

### **Gujarat**

- In South Gujarat, undertake nursery bed preparation for rice continue sowing of leafy vegetable (Fenugreek, Coriander, Green Garlic) crops. Undertake sowing of cluster bean and cowpea crops.
- In Saurashtra & Kutch, undertake harvesting of green gram, black gram sesame and pearl millet .

### **Rajasthan**

- In Chilli to control leaf curl and mosaic disease, uproot & burn affected plants to check the spread of disease and spray Dimethoate 30EC @ 1.0 ml per litre water.
- In Arid Western Plain Zone, undertake sowing of American cotton.

### **Maharashtra**

- In Konkan region continue harvesting of early sown groundnut.
- In Madhya Maharashtra, continue harvesting of groundnut. To reduce evapotranspiration spray 8 % Kaolin in sugarcane fields and orchards. For the control of white fly in sugarcane, spray Malathion 50% @ 20 ml in 10 liters of water.
- In Marathwada, to control stem borer in sugarcane, spray Chlorantranilipole 18.5 % SC @ 4 ml per 10 liter of water
- In Vidarbha, undertake harvesting of matured rice, sesame and groundnut.

### **Bihar and Jharkhand**

- In Western Plateau Zone of Jharkhand undertake hoeing and weeding in Green gram so as to preserve soil moisture.
- In Central & North Eastern Plateau Zone of Jharkhand, in summer rice, to control gundhi bug infestation, undertake dusting of Quinalphos 1.5 per cent dust @ 10 kg per acre during morning time.
- In South Bihar Alluvial Zone of Bihar , undertake harvesting and threshing of Maize.

### **Andhra Pradesh**

- In North Coastal Andhra Pradesh, weather is congenial for Early Shoot Borer and Fall army worm on Sugarcane to control spray Chlorpyrifos @ 2.5 ml per liter of water
- In Rayalaseema, in the present weather conditions there is possibility of incidence of sucking pests in 15-30 days summer groundnut crop. To control spray Monocrotophos @ 1.6 ml./litre of water

### **Kerala**

- In High Altitude Zone, undertake land preparation for sowing of rice.
- In Northern Zone, in cowpea to control red spider mite, spray Spiromecifen 0.7 ml per litre on upper and lower sides of the leaves.
- In Central Zone, provide support to banana to prevent lodging due to high wind speed. Also there is a chance of sigatoka disease in banana. As a precaution, spray 20 g Pseudomonas per one litre of water.

### **Tamil Nadu**

- In High Altitude Hilly Zone, to prevent wilting disease in Pepper plantation, apply 25 g Trichoderma viridi and 25 g Pseudomonas fluorescens along with 500 g Neem cake per wine.
- In Western Zone, weather is highly favourable for sucking pest in vegetables, provide prophylactic spray with 5% neem seed kernel extract.
- In High Altitude Hilly Zone, to prevent collar rot disease in beans, soil drenching with copper oxy chloride 1 g/lit of water may be followed.

### **Uttarakhand**

- In Babar and Tarai zone of Uttarakhand undertake harvesting of Wheat and pulse crops and planting of spring sugarcane