

## Advisory for DD Kisan dated 18.04.19

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

### Significant Weather Features

- Isolated thundersquall (wind speed reaching 50-60 kmph) are likely over Gangetic West Bengal on 19<sup>th</sup> April, over Odisha on 18<sup>th</sup> & 19<sup>th</sup> April and over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 20<sup>th</sup> & 21<sup>st</sup> April.
- Thunderstorms and gusty winds (speed reaching 30-40 kmph and at times 40-50 kmph) are likely over Kerala, Tamilnadu, Andhra Pradesh, Telangana, Rayalseema, south Chhattisgarh, Jharkhand and Sub-Himalayan West Bengal & Sikkim during next 3 days.
- Day maximum temperatures are likely to rise significantly over northwest and central India during next 3-4 days.

### Realised Weather

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

- **Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today):** at most places over Jammu & Kashmir, Himachal Pradesh, Punjab and Haryana, Chandigarh & Delhi; at many places over Uttar Pradesh, East Madhya Pradesh, Jharkhand, Uttarakhand and Kerala; at a few places over Bihar, Arunachal Pradesh and Tamilnadu & Puducherry and at isolated places over Rajasthan, West Madhya Pradesh, Gangetic West Bengal, Odisha and South Interior Karnataka and Telangana.
- **Thunderstorms** observed at many places over Kerala and at isolated places over Uttarakhand, Haryana, Chandigarh & Delhi, Punjab, Rajasthan, East Uttar Pradesh, Bihar, Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Odisha, East Madhya Pradesh, Chhattisgarh, South Interior Karnataka, Tamilnadu & Puducherry and Lakshadweep from 0830 hours IST of yesterday to 0830 hours IST of today.
- **Maximum temperature departures as on 17-04-2019:** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Kerala and Tamilnadu & Puducherry; above normal (1.6°C to 3.0°C) at isolated places over Coastal & South Interior Karnataka, Odisha and Tripura.
- Yesterday, the highest maximum temperature of **42.6°C** was recorded at **Tirupathi** (Rayalseema) over the country.

## Weather Forecast for next 5 days upto 0830 hours IST 18<sup>th</sup> April 2019

- Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- Day maximum temperatures are very likely to rise by 4-6°C over most parts of the Northwest and central India and by 2-4°C over Gujarat and interior Maharashtra during next 3 days. No significant change likely over the rest of the country during this period. They are likely to remain above normal by 2-3°C over Kerala, Tamil Nadu and Andhra Pradesh during next 2 days.

**Table 1**

### 5 Day Rainfall Forecast (MID-DAY)

18-April-2019

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

#### % 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

- **18 April (Day 1): Thundersquall (wind speed reaching 60-70 kmph) accompanied with hail and lightning** at isolated places very likely over Odisha.  
**Thunderstorm accompanied with gusty winds (wind speed reaching 30-40 kmph) and lightning** at isolated places very likely over Tamilnadu, Rayalseema, Telangana, West Bengal & Sikkim, Jharkhand, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.  
**Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning** at isolated places very likely over Kerala, South Interior Karnataka, Coastal Andhra Pradesh, Chhattisgarh and Uttarakhand.  
**Heavy rainfall** at isolated places very likely over Arunachal Pradesh, South Interior Karnataka and Kerala.
- **19 April (Day 2): Thundersquall (wind speed reaching 60-70 kmph) accompanied with hail and lightning** at isolated places very likely over Odisha.  
**Thundersquall (wind speed reaching 50-60 kmph) accompanied with lightning** at isolated places very likely over Gangetic West Bengal.  
**Thunderstorm accompanied with gusty winds (wind speed reaching 30-40 kmph) and lightning** at isolated places very likely over Tamilnadu, Coastal Andhra Pradesh, Jharkhand, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.  
**Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning** at isolated places very likely over Kerala and Telangana.
- **20 April (Day 3): Thundersquall (wind speed reaching 50-60 kmph) accompanied with lightning** at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.  
**Thunderstorm accompanied with gusty winds (wind speed reaching 30-40 kmph) and lightning** at isolated places very likely over Tamilnadu, Coastal Andhra Pradesh, Rayalseema, Gangetic West Bengal and Odisha.  
**Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning** at isolated places very likely over Kerala, South Interior Karnataka and Telangana.
- **21 April (Day 4): Thundersquall (wind speed reaching 50-60 kmph) accompanied with lightning** at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.  
**Thunderstorm accompanied with gusty winds (wind speed reaching 30-40 kmph) and lightning** at isolated places likely over Coastal Andhra Pradesh.  
**Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning** at isolated places likely over Telangana, Uttarakhand, Sub-Himalayan West Bengal & Sikkim and Odisha.  
Heat Wave conditions at isolated pockets likely over Rajasthan.
- **22 April (Day 5): Thunderstorm accompanied with gusty winds (wind speed reaching 30-40 kmph) and lightning** at isolated places likely over Gangetic West Bengal.  
**Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning** at isolated places likely over Sub-Himalayan West Bengal & Sikkim, Jharkhand, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

**Heat Wave conditions** likely over some parts of Rajasthan.

## **Salient Advisories**

### **Thunderstorm/Squall/gusty winds and advisory**

#### **Warning**

- **Thundersquall (wind speed reaching 60-70 kmph) accompanied with hail and lightning** at isolated places very likely over Odisha during next 2 days.
- **Thundersquall (wind speed reaching 50-60 kmph) accompanied with lightning** at isolated places very likely over Gangetic West Bengal during next 24 hours, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 20<sup>th</sup> & 21<sup>st</sup> April..
- **Thunderstorm accompanied with gusty winds (wind speed reaching 30-40 kmph) and lightning** at isolated places very likely over Tamilnadu during next 3 days, over Jharkhand , Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 2 days, over Rayalseema on 18<sup>th</sup> & 20<sup>th</sup>, over Telangana, West Bengal & Sikkim, , Arunachal Pradesh on 18<sup>th</sup> over , Coastal Andhra Pradesh on 19<sup>th</sup> to 21<sup>st</sup>, over odisha on 20<sup>th</sup> Gangetic West Bengal on 20<sup>th</sup> & 22<sup>nd</sup>, April.
- **Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning** at isolated places very likely over Kerala during next 3 days, over South Interior Karnataka, Coastal Andhra Pradesh, Chhattisgarh and Uttarakhand on 18<sup>th</sup> over Telangana on 19<sup>th</sup> and over South Interior Karnataka and Telangana on 20<sup>th</sup> & 21<sup>st</sup> over Uttarakhand, Sub-Himalayan West Bengal & Sikkim and Odisha on 21<sup>st</sup> & 22<sup>nd</sup> April over Jharkhand, , Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 22<sup>nd</sup> April..

#### **Advisory**

- In the above mentioned 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 gusty wind. Use hail net for orchard crops to protect from mechanical damage.

### **Heat wave**

#### **Warning**

- Heat Wave conditions at some parts likely over Rajasthan on 21<sup>st</sup> and 22<sup>nd</sup> April.

#### **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.

## Heavy rainfall

### Warning

**Heavy rainfall** at isolated places very likely over Arunachal Pradesh, South Interior Karnataka and Kerala on 18<sup>th</sup> April.

### Advisory

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

## State-wise Advisories

### Arunachal Pradesh, Assam, and Mizoram

- In Arunachal Pradesh, continue nursery preparation of rice (early sown), undertake sowing of leguminous crops like cowpea, French bean, soybean etc. around *Jhum* field, undertake harvesting of potato.
- In Upper Brahmaputra Valley Zone of Assam, in green gram and black gram to control blight apply Carbendazim 0.05% @ 300-500 g in 600-700 lit of water at an interval of 12-15 days.
- In Central Brahmaputra Valley Zone of Assam, undertake harvesting of wheat.
- In Mizoram, undertake land preparation/sowing of *Jhum* rice, green gram, black gram and cucurbitaceous crops.

### Jammu & Kashmir, Himachal Pradesh

- In Intermediate Zone, continue sowing of okra, continue transplanting of cucurbits (cucumber, bottle gourd, bitter gourd, sponge gourd and pumpkin) .
- In Sub Tropical Zone, undertake harvesting of early sown wheat and late sown pea. Continue sowing of summer pulses.

### Uttarakhand

- In Bhabar and Tarai Zone, undertake harvesting of wheat and barley. Undertake transplanting of brinjal, tomato and capsicum in high hills. Undertake sowing of French beans.
- In Hill Zone, continue transplanting in tomato, brinjal, chilli and capsicum.
- In Sub-Humid Sub-Tropic Zone, complete sowing of autumn sugarcane. Complete sowing of summer maize.

### Punjab Haryana and New Delhi

- In Western Zone of Haryana, undertake sowing of cotton.
- In Delhi, continue sowing of green gram, vegetables like French bean, lobia, bottle gourd, cucumber. Undertake sowing of fodder crops like gwar, maize, bajra, cluster bean .

### Uttar Pradesh

- In East Uttar Pradesh, undertake planting of spring season Sugarcane. Undertake cultivation of ladies finger, moong and lobia as intercrop in sugarcane.
- In West Uttar Pradesh, continue harvesting and threshing of gram, wheat and barley. Undertake sowing of sorgum(jowar) and bajra in dry weather.

### **Madhya Pradesh**

- In Malwa Plateau Zone, undertake sowing of green gram and black gram, undertake harvesting of wheat.
- In Jhabua Hill zone, in green gram, black gram & groundnut, to control sucking pest spray Thiomithaxim @ 0.3 gm/litre of water.

### **Rajasthan**

- In Semi Arid Eastern Plain Zone, undertake harvesting of wheat.
- In Irrigated North Western Plain Zone, undertake sowing of cotton, complete harvesting of wheat, chickpea/gram .
- In South Gujarat Heavy Rainfall Zone, undertake sowing of cluster bean/ cowpea
- In Sub Humid Southern Plain and Aravali Hill Zone, complete harvesting of wheat and barley.

### **Gujarat**

- In South Sourashtra Zone, in summer green gram and black gram, to control sucking pest, spray 10 ml Dimethoate or Methyl-O-Demeton in 10 litre of water. Undertake harvesting of garlic.
- In North Gujarat Zone, undertake harvesting of wheat.

### **Maharashtra**

- In Konkan region continue harvesting of early sown varieties of rice. Continue harvesting of early sown groundnut.
- In Madhya Maharashtra to control jassids and thrips in groundnut, spray Thiamethoxam @ 4 g or Dimethoate @ 14 ml per 10 liters of water.
- In East Vidarbha, to control brown hopper in rice, spray Imidacloprid 17.8% SL @ 2.5 ml or Fipronil 5% SC @ 20ml in per 10 litres of water. To control tikka disease in groundnut, spray Deltamethrin 2.8% @ 500 ml/ ha in 500 liters of water.

### **Odisha**

- In East and South Eastern Coastal Plain, in summer groundnut to control Thrips spray @ 400 ml Dimethoate or 50 ml Imidachloprid in 200 litre water per acre.
- In North Central Plateau Zone, undertake land preparation for sowing of summer mung and undertake planting of ginger.

### **Bihar and Jharkhand**

- In Bihar, complete sowing of green gram (mung bean) & black gram (urd). Continue harvesting of wheat crop.
- In Central & North Eastern Plateau Zone of Jharkhand, continue sowing of summer cowpea and okra. Undertake planting of ginger and turmeric.

### **Andhra Pradesh Kerala and Telangana**

- In High Altitude Tribal Zone of North Coastal Andhra Pradesh undertake harvesting of rice and sunflower.
- In North Coastal Andhra Pradesh, weather is congenial for incidence of sucking pest on sesame. Spray Dimethoate @ 2.0 ml per liter of water.
- In Kurnool district of Scarce Rainfall Zone of Rayalaseema continue harvesting of rice.
- In Southern Telangana Zone, prevailing weather conditions are congenial for the incidence of Blast disease in rice, to control, spray Tricyclazole @ 0.6 g or Isoprothiolane @ 1.5 ml per litre of water twice in 10-15 days interval.

