

# Advisory for DD Kisan dated 03.04.18

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

## Significant Weather Features

- Heat wave and warm night conditions are likely to continue over parts of West Rajasthan during next 48 hours.
- Yesterday, heat wave conditions prevailed at some parts with severe heat wave conditions at one or two pockets over West Rajasthan.
- Thunderstorm observed at isolated places over Assam & Meghalaya, Telangana and South Interior Karnataka from 1130 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 isolated places over Jammu & Kashmir, Assam & Meghalaya, Interior Karnataka, Coastal Andhra Pradesh, Telangana, Tamil Nadu & Puducherry and Kerala.

## Maximum temperature

- **Maximum temperature departures as on 02.04.2018:**Maximum temperatures were markedly above normal (5.1°C or more) at many places over Jammu & Kashmir and West Rajasthan; at a few places over Arunachal Pradesh and Assam & Meghalaya; appreciably above normal (3.1°C to 5.0°C) at most places over Himachal Pradesh and East Rajasthan; at many places over Haryana, Chandigarh & Delhi; at a few places over West Madhya Pradesh; above normal (1.6°C to 3.0°C) at most places over Punjab and Saurashtra & Kutch; at a few places over Madhya Maharashtra, Marathwada and Sub Himalayan West Bengal & Sikkim and at isolated places over Gujarat Region, Konkan & Goa, East Madhya Pradesh, Vidarbha, Tamil Nadu & Puducherry and Coastal Karnataka.
- The **highest maximum temperature of 43.2°C** was recorded at Phalodi (West Rajasthan) over the plains of the country.

## Temperature Forecast:

- No significant change in maximum temperatures likely over major parts of the country during next 3 days.

## 5 Day Rainfall Forecast (Mid-day)

3<sup>rd</sup> April 2018

Met-Sub-Division	03-Apr Today	04Apr Wed	05Apr Thu	06Apr Fri	07Apr Sat
1. Andaman & Nicobar Islands	ISOL	ISOL	ISOL	ISOL	SCT
2. Arunachal Pradesh	ISOL	ISOL	FWS	WS	FWS
3. Assam & Meghalaya	ISOL	ISOL	SCT	FWS	SCT
4. N. M. M. & T.	ISOL	ISOL	SCT	FWS	SCT
5. S.H. West Bengal & Sikkim	DRY	ISOL	SCT	FWS	FWS
6. Gangetic West Bengal	DRY	ISOL	ISOL	SCT	SCT
7. Odisha	ISOL	ISOL	ISOL	ISOL	SCT
8. Jharkhand	DRY	DRY	ISOL	ISOL	SCT
9. Bihar	DRY	ISOL	ISOL	ISOL	ISOL
10. East Uttar Pradesh	DRY	DRY	ISOL	ISOL	SCT
11. West Uttar Pradesh	ISOL	DRY	ISOL	ISOL	ISOL
12. Uttarakhand	SCT	SCT	ISOL	ISOL	SCT
13. Haryana, Chd & Delhi	ISOL	DRY	DRY	ISOL	ISOL
14. Punjab	ISOL	DRY	DRY	ISOL	ISOL
15. Himachal Pradesh	SCT	ISOL	ISOL	ISOL	ISOL
16. Jammu & Kashmir	SCT	ISOL	ISOL	ISOL	ISOL
17. West Rajsthan	ISOL	DRY	DRY	ISOL	ISOL
18. East Rajasthan	ISOL	DRY	ISOL	ISOL	ISOL
19. West Madhya Pradesh	DRY	DRY	DRY	ISOL	ISOL
20. East Madhya Pradesh	DRY	DRY	DRY	ISOL	ISOL
21. Gujarat Region	DRY	DRY	DRY	ISOL	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	DRY	DRY	ISOL	ISOL	ISOL
24. Madhya Maharashtra	DRY	DRY	ISOL	ISOL	ISOL
25. Marathawada	DRY	DRY	ISOL	ISOL	ISOL
26. Vidharbha	DRY	DRY	ISOL	ISOL	ISOL
27. Chhattisgarh	DRY	DRY	ISOL	ISOL	ISOL
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	DRY	DRY	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	DRY	DRY	ISOL	ISOL
32. Coastal Karnataka	ISOL	DRY	DRY	ISOL	SCT
33. North Interior Karnataka	ISOL	DRY	DRY	ISOL	SCT
34. South Interior Karnataka	SCT	ISOL	ISOL	ISOL	SCT
35. Kerala	ISOL	ISOL	ISOL	ISOL	SCT
36. Lakshadweep	DRY	DRY	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

- 03 April (Day 1):** Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, north Coastal Andhra Pradesh, South Interior Karnataka, interior Tamil Nadu and Kerala.  
 Dust storm/Thunderstorm very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Rajasthan and West Uttar Pradesh.  
 Warm night conditions are likely to prevail at one or two pockets over West Rajasthan.  
 Heat wave conditions very likely to prevail at one or two pockets over west Rajasthan.

- **04 April (Day 2):** Thunderstorm accompanied with squall very likely at isolated places over north Coastal Andhra Pradesh.  
Thunderstorm accompanied with gusty winds very likely at isolated places over Uttarakhand and South Interior Karnataka.  
Heat wave conditions very likely to prevail at one or two pockets over West Rajasthan.
- **05 April (Day 3):** Thunderstorm accompanied with squall likely at isolated places over Sub-Himalayan West Bengal & Sikkim. Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Odisha.  
Thunderstorm accompanied with gusty winds likely at isolated places over Gangetic West Bengal and Telangana.  
Dust storm/Thunderstorm likely at isolated places over Uttar Pradesh.
- **06 April (Day 4):** Thunderstorm accompanied with squall likely at isolated places over West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and north Coastal Andhra Pradesh.  
Thunderstorm accompanied with gusty winds very likely at isolated places over Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathwada, Telangana and Kerala.  
Dust storm/Thunderstorm likely at isolated places over Rajasthan.
- **07 April (Day 5):** Thunderstorm accompanied with squall likely at isolated places over Bihar, Jharkhand, Gangetic West Bengal and north Coastal Andhra Pradesh.  
Thunderstorm accompanied with gusty winds very likely at isolated places over Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Marathwada and Kerala.  
Dust storm/Thunderstorm likely at isolated places over Rajasthan.

### **Thunderstorm accompanied with squall/ gusty winds**

#### **Warning:**

- Thunderstorm accompanied with squall very likely at isolated places over north Coastal Andhra Pradesh on 4<sup>th</sup> April, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura Odisha on 5<sup>th</sup> and 6<sup>th</sup> April, Coastal Andhra Pradesh on 6<sup>th</sup> April. Bihar, Jharkhand, Gangetic West Bengal and north Coastal Andhra Pradesh on 7<sup>th</sup> April.

Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, north Coastal Andhra Pradesh, interior Tamil Nadu and Kerala during next 24 hours and over Uttarakhand, South Interior Karnataka during next 2 days, over Gangetic West Bengal and Telangana on 5<sup>th</sup> April, over Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, , Marathwada, and Kerala on 6<sup>th</sup> & 7<sup>th</sup> April, over Madhya Maharashtra & Telangana on 6<sup>th</sup> April

- Dust storm/Thunderstorm very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Rajasthan and West Uttar Pradesh during next 24 hours, over Uttar Pradesh on 5<sup>th</sup> April, Rajasthan on 6<sup>th</sup> & 7<sup>th</sup> April.

### **Advisory:**

- In view of expected thunderstorm accompanied with squall / gusty winds in 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 chemical spraying/dusting during the period.
- In view of expected dust storm/thunderstorm over Punjab, Haryana, Chandigarh & Delhi, Rajasthan and West Uttar Pradesh, apply sprinkle irrigation to vegetables and young fruit plants in evening.

### **Heat wave conditions**

#### **Realised :**

- Yesterday, heat wave conditions prevailed at some parts with severe heat wave conditions at one or two pockets over West Rajasthan.

#### **Warning:**

- Heat wave conditions very likely to prevail at one or two pockets over West Rajasthan during next 48 hours.

#### **Advisory:**

- In view of expected heat wave conditions above region apply light and frequent irrigation in standing crops to cope up with the excess evaporative demand due to high temperature.

## **Agromet Advisories for summer crops from different AMFUs in the country**

### **Sate-wise Advisories**

#### **Jammu& Kashmir**

- In Sub Tropical Zone, postpone irrigation in normal and late sown wheat crop to prevent lodging, Postpone harvesting of mustard crop for next two days due to chances of light thundershowers.
- In Intermediate Zone, spray Propiconazole (Tilt) 25 EC @ 0.1 % (1ml/litre of water) to control yellow rust in wheat in clear weather.

#### **Rajasthan**

- In Flood Prone Eastern Plain Zone, harvest wheat crop in clear weather. Apply frequent and light irrigations in horticultural crops.
- In Arid Western Plain Zone, apply additional irrigation to reduce effect of rise of temperature in the wheat crop at dough stage. Undertake harvesting of normal sown *rabi* crops.

#### **Odisha**

- In Mid Central Table Land Zone, apply irrigation in maize at tasselling stage.
- In North Eastern Ghat Zone, continue sowing of summer cowpea. In North Central Plateau Zone, complete transplanting of rice.

## **Bihar**

- In South Bihar Alluvial Zone, continue sowing of green gram and black gram.
- In North West Alluvial Plain Zone, continue the sowing of summer maize varieties such as Suwan, Deoki, Ganga 11, Shaktiman-1, 2, 3, 4 & 5. Undertake sowing green gram and black gram.

## **West Bengal**

- In Coastal Saline Zone, continue sowing of green gram.
- In the New Alluvial Zone, undertake sowing of green gram and black gram. Undertake sowing of French bean, cluster bean and summer radish.
- In the Terai Zone, keep 3-5 cm of water level in Boro paddy field. Provide mulching to cucurbit crops.

## **Assam & Meghalaya, Arunachal Pradesh**

- In Lower Brahmaputra Valley Zone of Assam, avoid spraying in Boro rice as rainfall is expected during next 5 days. Start Nursery bed preparation for transplanted normal Ahu rice.
- In Upper Brahmaputra Valley Zone, continue transplanting of ahu rice seedlings, planting of banana suckers and sowing of maize.
- In the Barak Valley Zone, continue sowing of Ahu rice (direct seeded) in clear weather.
- In the North Bank Plain Zone, continue land preparation/sowing of Bau rice (varieties Maguri, Panikekua, Amona, Negheri etc.) and Ahu rice, undertake land preparation for Black gram and green gram.

## **Maharashtra**

- In view of expected thunderstorm accompanied with gusty at isolated places over Marathwada and Vidarbha on 6<sup>th</sup> & 7<sup>th</sup> April and over Madhya Maharashtra on 6<sup>th</sup> April, provide mechanical support to orchards (banana, Papaya), staking in vegetables and undertake propping in mid season sugarcane.
- In South Konkan, continue the harvesting of 80 to 85% matured mangoes in morning and evening hours. Keep the harvested fruits in shade to prevent spongy tissue disease and to protect from heat. Apply of 80-100 litres of water per tree at 7 days interval as per the availability of water. There is forecast of high (gusty) wind speed during next five days, provide mechanical support to fruits bearing branches of mango to avoid fruit drop and bark damage.
- In Madhya Maharashtra, harvest matured crop and keep the harvested produce at safer place. Prevailing day temperature is favourable for attack of early shoot borer in sugarcane, apply Chlorantriliprole 18.5% SC @ 3 to 4 ml or Chlorantraniliprol granule 0.4% @ 18.75 kg/ha or Chloropyriphos 20 % @ 15 ml per 10 litres of water. If there is shortage of irrigation water, apply irrigation in alternate furrow.
- In Marathwada, as light to moderate rainfall at isolated places is expected during 5 to 7 April, keep harvested produce of wheat, jowar and safflower in safer places. Do not harvest turmeric crop. Store harvested turmeric crop at safer places.
- In Vidarbha, apply irrigation to summer moong at interval of 6-9 days and sesame at interval of 6-8 days and summer groundnut at 10-12 days interval. Maintain 5 cm water level in transplanted rice fields in east Vidarbha.