

# Advisory for DD Kisan dated 09.03.18

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

## Significant Weather Features

- The present western disturbance is likely to move away northeastwards during next 24 hours. A fresh western disturbance is likely to cause scattered to wide spread precipitation with isolated thunder squall and hailstorm over Jammu division and Himachal Pradesh on 12th/13th march.
- An easterly waves is likely to cause squally weather over parts of Gulf of Manner and Comorin area during next 48 hours.

## Realised Rainfall

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

- Rainfall occurred at isolated places over Jammu & Kashmir, East Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim and Andaman & Nicobar Islands.

## Maximum temperature

- **Maximum temperature departures as on 08.03.2018:** Maximum temperatures were markedly above normal (5.1°C or more) at most places over Jammu & Kashmir; at a few places over Himachal Pradesh; appreciably above normal (3.1°C to 5.0°C) at most places over Rajasthan; at many places over Punjab and Arunachal Pradesh; above normal (1.6°C to 3.0°C) at most places over Haryana, Chandigarh & Delhi and Gujarat; at many places over east Rajasthan, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at a few places over West Madhya Pradesh, Konkan & Goa, Kerala and Andaman & Nicobar Islands; at isolated places over West Madhya Pradesh, West Uttar Pradesh, Madhya Maharashtra, Odisha, Telangana, Rayalaseema, Interior Karnataka and Tamil Nadu & Puducherry.
- Yesterday, the **highest maximum temperature of 40.7°C** recorded at **Bhira (Konkan)** over the plains of the country.

## Temperature Forecast:

- Maximum temperatures very likely to rise by 1-2°C over plains of northwest India during next 72 hours.
- No significant change in Maximum & Minimum temperatures over rest parts of the country during next 3-4 days.

## 5 Day Rainfall Forecast (Mid-day) 9<sup>th</sup> March 2018

Met-Sub-Division	09-Mar Today	10Mar Sat	11Mar Sun	12Mar Mon	13Mar Tue
1. Andaman & Nicobar Islands	ISOL	ISOL	ISOL	ISOL	DRY
2. Arunachal Pradesh	DRY	ISOL	SCT	SCT	ISOL
3. Assam & Meghalaya	ISOL	ISOL	ISOL	ISOL	ISOL
4. N. M. M. & T.	DRY	DRY	ISOL	ISOL	ISOL
5. S.H. West Bengal & Sikkim	ISOL	ISOL	ISOL	ISOL	ISOL
6. Gangetic West Bengal	DRY	DRY	ISOL	ISOL	DRY
7. Odisha	ISOL	DRY	ISOL	ISOL	DRY
8. Jharkhand	DRY	DRY	DRY	DRY	DRY
9. Bihar	DRY	DRY	DRY	DRY	DRY
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	DRY	DRY	DRY	DRY	ISOL
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	ISOL
15. Himachal Pradesh	ISOL	DRY	DRY	ISOL	SCT
16. Jammu & Kashmir	ISOL	DRY	ISOL	SCT	WS
17. West Rajasthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	DRY	DRY	DRY	DRY	DRY
19. West Madhya Pradesh	ISOL	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	DRY	DRY
26. Vidharbha	ISOL	ISOL	DRY	DRY	DRY
27. Chhattisgarh	ISOL	DRY	DRY	DRY	DRY
28. Coastal Andhra Pradesh	DRY	DRY	DRY	DRY	DRY
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	DRY	DRY	DRY	DRY	DRY
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	DRY	DRY	DRY	DRY	ISOL
35. Kerala	ISOL	ISOL	DRY	ISOL	ISOL
36. Lakshadweep	DRY	DRY	DRY	DRY	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

- **09 March (Day 1):** Winds speed reaching 30-40 kmph likely to occur occasionally over Gulf of Mannar and Comorin area. Fishermen are advised to be cautious while venture into the sea over these area.
- **10 March (Day 2):** Winds speed reaching 30-40 kmph likely to occur occasionally over Gulf of Mannar and Comorin area. Fishermen are advised to be cautious while venture into the sea over these area.

- **11 March (Day 3):** No weather warning.
- **12 March (Day 4):** Thundersquall with hail likely at isolated places over Jammu division of Jammu & Kashmir.  
Thunderstorm accompanied with gusty winds likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **13 March (Day 5):** Thundersquall with hail likely at isolated places over Jammu division of Jammu & Kashmir and Himachal Pradesh.  
Thunderstorm accompanied with gusty winds likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

### **Thundersquall accompanied with hailstorm**

#### **Warning:**

- **Thunder squall accompanied with hailstorm** likely at isolated places over Jammu division of Jammu & Kashmir on 12<sup>th</sup> & 13<sup>th</sup> March and over Himachal Pradesh on 13<sup>th</sup> March.

#### **Advisory:**

- In view of expected hailstorm in above regions protect orchard crops from mechanical damage. Arrange support to young fruit plants and vegetables to prevent the crops from lodging due to strong winds. Keep harvested produce at safe places.

### **Thunderstorm accompanied with gusty winds**

#### **Warning:**

- Thunderstorm accompanied with gusty winds likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 12<sup>th</sup> & 13<sup>th</sup> March.

#### **Advisory:**

- In view of expected thunderstorm accompanied with 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.

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

### **Sate-wise Advisories**

#### **Jammu& Kashmir**

- In Sub Tropical Zone, continue transplanting of cucurbits, tomato, brinjal and chilli. Continue direct sowing of bottle gourd, bitter gourd and pumpkin. Undertake digging up of matured tubers of potato as early as possible.
- There are chances of attack of yellow rust and leaf spot in wheat in Sub Tropical Zone, if observed

apply Propiconazole (Tilt) @ 0.1% 2-3 sprays on a non- rainy day and repeat at 15 days interval.

### **Uttarakhand**

- Complete planting of sugarcane by 15<sup>th</sup> March in Bhabar and Tarai Zone. In mid and high hills, undertake nursery sowing of brinjal, tomato, capsicum and chilli. Undertake sowing of barnyard millet and French bean.
- In Sub Humid Sub Tropic Zone, continue transplanting of onion and tomato.

### **Himachal Pradesh**

- Undertake sowing of sunflower in low and mid-hill areas.
- Undertake nursery sowing of vegetables like chilli, tomato, capsicum and sowing of bhindi, gourd etc. in Mid Hills Sub Humid Zone.
- In High Hill Temperate Dry Zone, undertake pruning of unwanted branches on apple trees and apply Boudreaux paint on wounds.

### **Punjab, Haryana & Delhi**

- Apply irrigation in wheat at dough stage in Western Zone of Punjab. Undertake sowing of okra and cucurbits. Undertake transplanting of chilli.
- In Western Plain Zone of Punjab, continue sowing of maize and planting of spring sugarcane. Continue transplanting of brinjal, capsicum and chilli, muskmelon, water-melon, bottle-gourd, pumpkin etc. Undertake sowing of summer moong and mash.
- In Undulating Plain Zone of Punjab, continue planting of sugarcane and sowing of spring maize. Continue sowing of spring maize in Central Plain Zone of Punjab.
- In Delhi, continue sowing of French bean, cluster bean, summer radish. Continue sowing of green gram and black gram. Apply irrigation in wheat at milk stage. Undertake harvesting of matured mustard.

### **Uttar Pradesh**

- Continue planting of sugarcane in Eastern Plain Zone. Undertake sowing of okra and cucurbits.
- In Varanasi district of Central Plain Zone, continue planting of spring sugarcane. Undertake sowing of okra. In Kanpur district, continue sowing of maize and black gram.

### **Rajasthan**

- Undertake harvesting of matured mustard and cumin in Jodhpur district of Arid Western Plain Zone. Apply irrigation in vegetables.
- In Sub Humid Southern Plain and Aravalli Hill Zone, undertake sowing of guar and cowpea.
- In Irrigated North Western Plain Zone, continue planting of sugarcane.
- In Bikaner district of Arid Western Plain Zone, in timely sown wheat apply irrigation at dough stage and in late sowing wheat at milk stage. Undertake harvesting of matured mustard.

### **Odisha**

- As mainly dry weather would prevail during next three days, undertake harvesting of matured mustard in Western Undulating Zone.
- In West Central Table Land Zone, undertake sowing of sesame. Early sown summer sunflower is at 25 days. Undertake hoeing and weeding.

### **Bihar**

- Complete sowing of summer sunflower, maize, green gram and til crops in South Bihar Alluvial Zone. As dry weather would prevail, provide irrigation and Nitrogenous fertilizers in late sown

wheat at flowering or milk stage.

- In North West Alluvial Plain Zone, maintain proper moisture in the field before sowing of summer crops. Proper soil moisture at the time of sowing would ensure good germination of seeds. If necessary, light irrigation may be given to maintain moisture. Continue the sowing of summer maize varieties such as Suwan, Deoki, Ganga 11, Shaktiman-1, 2, 3, 4 & 5.

### **Jharkhand**

- Farmers having at least 1 or 2 irrigation facility may proceed for mung cultivation in Western Plateau Zone after harvesting of rabi crops. Select improved variety of mung S.M.L.- 668.
- In South Eastern Plateau Zone, December sown wheat crop is at flowering stage and is very critical stage, apply irrigation.
- In South Eastern Plateau Zone, lentil crops sown in the mid of November is at flowering to pod formation stage and present weather is very conducive for the occurrence of wilt disease, spray Carbendazim @ 1 g per litre of water twice at weekly interval.

### **West Bengal**

- In Coastal Saline Zone, continue sowing of green gram. Start harvesting mustard if siliqua is found dry and matured.
- In the New Alluvial Zone, undertake land preparation and sowing of green gram and black gram. Undertake sowing of French bean, cluster bean and summer radish.
- In the Hill Zone, carry out land preparation for maize, ginger and turmeric cultivation. Harvest mature crop of mustard.
- In the Terai Zone, continue transplanting Boro rice seedlings. Provide mulching to cucurbit crops.

### **Maharashtra**

- In Konkan, maintain 8-10 cm water level in summer rice after 10 days of panicle initiation. Due to increasing rate of evaporation, irrigate the groundnut crop at an interval of 10-12 days. Also roll empty drum 45-60 days after sowing for better penetration of pegs and pod setting.
- In Madhya Maharashtra, Continue harvesting of wheat in morning hours. Continue sowing of summer moong in Western Ghat Region. Due to cloudy weather, there may be attack of leaf eating caterpillars in vegetables, spray Chlorpyrifos or Quinalphos or Profenophos @15 ml per 10 liters of water.
- In Marathwada, as dry weather would continue to prevail apply irrigation and undertake mulching in *ambe bahar* citrus, pomegranate and sapota orchards. Apply irrigation and undertake intercultural operation like weeding in summer vegetable crops. Continue planting of fodder crop like maize (African tall variety) as per availability of water
- In Vidarbha, continue transplanting of 5 to 6 weeks old brinjal and chilli seedlings. Maintain 2-3 cm water level in transplanted rice fields in east Vidarbha. Keep the harvested rabi crops like gram, linseed and mustard in safer place.

### **Gujarat**

- In South Saurashtra Zone, complete sowing of green gram, black gram and sesame.
- In North Saurashtra Zone, undertake sowing of green gram and black gram. Complete sowing of cluster bean, gourds and watermelon. Continue transplanting of brinjal.
- In North Gujarat Zone and North West Zone of Gujarat, undertake land preparation and sowing of green gram and cowpea; undertake sowing of groundnut, sesame and pearl millet crops.
- In Middle Gujarat Zone, continue land preparation for sowing of summer groundnut and sesame.

- In Bhal and Coastal Zone, undertake sowing of green gram, cowpea and pearl millet crops.
- In South Gujarat Heavy Rainfall zone, complete transplanting of summer rice.

### **Kerala**

- In the Problem Area Zone, continue harvesting of matured nutmeg fruits. Undertake preparation for planting of new cuttings of pepper. Provide shade to vegetables seedlings. Irrigate vegetable gardens twice a day.
- In the Central Zone, undertake main field preparation for transplanting of *puncha* rice. Transplant seedlings at 4-5 leaf stage.

### **Andhra Pradesh**

- In the North Coastal Zone, continue planting of sugarcane after setts treatment with Propiconazol @ 1.0 ml/litre for 15 minutes before planting.
- In the Krishna Godavari Zone, undertake sowing of summer pulses like green gram and black gram cops. Maintain 5 cm water level from panicle initiation to grain hardening stage in rice crop.
- In the Scarce Rainfall Zone, for control of leaf folder in groundnut, spray Chlorpyriphos @ 500 ml or Flubendamide @ 40 ml or Monocrotophos @ 320 ml per 200 litres of water.

### **Telangana**

- In North Telangana Zone, maintain shallow depth of water (2-3 cm) during tillering stage of rice. At the time of boot leaf to flowering stage, maintain 5 cm depth of water. Follow alternate wetting and drying (AWD) method of irrigation.

### **Tamil Nadu**

- In the High Rainfall Zone, undertake harvesting of matured rice crop. Undertake sowing of pulses in harvested rice fields. Provide irrigation and mulching to banana plants. Provide support to banana plants to prevent lodging.
- In the Western Zone, provide adequate support to 5 months old banana and sugarcane. Provide 3<sup>rd</sup> irrigation to maize crop at 45 to 60 days after sowing to improve yield.

### **Karnataka**

- In North East Dry Zone, under irrigation facility, continue sowing of Bt cotton. Apply irrigation to groundnut and mango (marble size fruits) crops. Complete harvesting of wheat, safflower and sorghum.
- In Eastern Dry Zone, dropping of fruits in mango trees is noticed; to manage this, provide adequate quantity of irrigation water (go for drip irrigation where ever it is possible).
- In Hill Zone, continue sowing of green gram and black gram. Continue harvesting of completely ripened bunches of pepper.
- In Southern Transition Zone, use 8 to 10 month old disease free setts for planting of sugarcane. Continue harvesting of matured rhizomes of turmeric and ginger.