

# Advisory for DD Kisan dated 01.03.18

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

## Significant Weather Features

- Yesterday, heat wave conditions were prevailing at a few places over coastal areas of Saurashtra and at isolated places over Konkan.
- Seasonal outlook for the temperature during March to May 2018: During the 2018 Pre-Monsoon Season (March to May), Warmer than normal temperatures are likely in all Meteorological Subdivision of the Country. Seasonal (March to May) average temperatures over many of the Subdivisions from northwest and neighboring Central India are likely to be above normal by more than 1.0°C. Normal to above normal Heat wave conditions are likely over core heat wave zone of the Country.

## Realised Rainfall

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

- Rain / Thundershowers observed at isolated places over Jammu & Kashmir, Arunachal Pradesh, Kerala and Tamil Nadu & Puducherry.

## Maximum temperature

- **Maximum temperature departures as on 28.02.2018:** Maximum temperatures were markedly above normal (5.1°C or more) at most places over west Rajasthan; at many places over Jammu & Kashmir, Himachal Pradesh, East Rajasthan; at a few places over Haryana, Chandigarh & Delhi; appreciably above normal (3.1°C to 5.0°C) at most places over West Uttar Pradesh, West Madhya Pradesh, Chhattisgarh, Gujarat, Konkan & Goa and Vidarbha; at many places over Arunachal Pradesh and Coastal Karnataka; at a few places over East Uttar Pradesh; above normal (1.6°C to 3.0°C) at most places over Coastal Andhra Pradesh, Marathwada, Telangana and Kerala; at many places over Nagaland, Manipur, Mizoram & Tripura Gangetic West Bengal & Sikkim, Odisha, Madhya Maharashtra, Rayalaseema, south interior Karnataka; at a few places over Assam & Meghalaya and Tamil Nadu & Puducherry; at isolated places over East Madhya Pradesh and Andaman & Nicobar Islands and near normal over rest parts of the country.
- Yesterday, the **highest maximum temperature of 38.2°C** recorded at **Akola (Vidarbha)** in the plains of the country.

## Temperature Forecast:

- No significant change is very likely in maximum & minimum temperatures over plains of northwest India during 48 hours and fall in maximum temperatures by 2-4°C thereafter.
- Maximum temperatures likely to continue above normal by 2-3°C over parts of West and East India during next 3 days and no significant change in temperatures over rest parts of the country during the same period.

## 5 Day Rainfall Forecast (Mid-day) 1<sup>st</sup> March 2018

Met-Sub-Division	01-Mar Today	02Mar Fri	03Mar Sat	04Mar Sun	05Mar Mon
1. Andaman & Nicobar Islands	DRY	DRY	DRY	DRY	DRY
2. Arunachal Pradesh	ISOL	FWS	WS	ISOL	SCT
3. Assam & Meghalaya	ISOL	SCT	SCT	ISOL	ISOL
4. N. M. M. & T.	ISOL	ISOL	ISOL	DRY	ISOL
5. S.H. West Bengal & Sikkim	SCT	SCT	ISOL	ISOL	ISOL
6. Gangetic West Bengal	DRY	DRY	DRY	DRY	ISOL
7. Odisha	DRY	DRY	DRY	DRY	ISOL
8. Jharkhand	DRY	DRY	DRY	DRY	ISOL
9. Bihar	DRY	DRY	DRY	DRY	ISOL
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	ISOL
11. West Uttar Pradesh	DRY	DRY	DRY	ISOL	ISOL
12. Uttarakhand	ISOL	SCT	SCT	FWS	ISOL
13. Haryana, Chd & Delhi	ISOL	DRY	DRY	ISOL	DRY
14. Punjab	ISOL	ISOL	ISOL	ISOL	DRY
15. Himachal Pradesh	SCT	FWS	FWS	WS	ISOL
16. Jammu & Kashmir	FWS	WS	SCT	FWS	ISOL
17. West Rajsthan	DRY	DRY	ISOL	ISOL	DRY
18. East Rajasthan	DRY	DRY	DRY	ISOL	DRY
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	DRY	DRY	DRY	DRY	ISOL
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	DRY	DRY	DRY	DRY	DRY
27. Chhattisgarh	DRY	DRY	DRY	DRY	ISOL
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	DRY	DRY	DRY	DRY
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	DRY
35. Kerala	ISOL	DRY	DRY	DRY	DRY
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

- **01 March (Day 1):** Thunderstorm accompanied with hail very likely at isolated places over Sub-Himalayan West Bengal & Sikkim.
- **02 March (Day 2):** Heavy Rain very likely at isolated places over Arunachal Pradesh. Thunderstorm accompanied with hail very likely at isolated places over Sub-Himalayan west Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya.

- **03 March (Day 3):** Heavy Rain very likely at isolated places over Arunachal Pradesh. Thunderstorm accompanied with hail very likely at isolated places over Jammu division of Jammu & Kashmir, Punjab, Arunachal Pradesh, Mizoram, Tripura and Assam & Meghalaya.
- **04 March (Day 4):** Thunderstorm accompanied with hail very likely at isolated places over Jammu division of Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Punjab, West Uttar Pradesh and north Rajasthan.
- **05 March (Day 5):** No weather warning.

### **Thunderstorm accompanied with hailstorm**

#### **Warning:**

- **Thunder squall accompanied with hailstorm** very likely at isolated places over Sub-Himalayan west Bengal & Sikkim during next 48 hours, over Arunachal Pradesh and Assam & Meghalaya on 2<sup>nd</sup> & 3<sup>rd</sup> March, over Mizoram & Tripura on 3<sup>rd</sup> March, over Jammu division of Jammu & Kashmir & Punjab on 3<sup>rd</sup> & 4<sup>th</sup> March and over Himachal Pradesh, Uttarakhand, Haryana, West Uttar Pradesh and north Rajasthan on 4<sup>th</sup> March.

#### **Advisory:**

- In view of expected hailstorm in above regions use hail net for orchard crops to protect from mechanical damage. 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.

### **Rain/snow**

#### **Warning:**

- Rain/snow would occur at many /most places over Jammu & Kashmir and Himachal Pradesh during next 3-4 days and rain/thundershower would occur at many /most places over Arunachal Pradesh on 2<sup>nd</sup> and 3<sup>rd</sup> March with isolated heavy fall on 2<sup>nd</sup> March.

#### **Advisory:**

- In view of expected rain/snow in above regions avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water stagnation in Jammu & Kashmir, Himachal Pradesh and Arunachal Pradesh. .

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

## Sate-wise Advisories

### Maharashtra

- In South Konkan, in view of dry weather, apply straw mulch or polythene mulch to water melon crop. Also if wilting is observed in crop, undertake drenching of Carbendazim @ 1 g per litre of water per vine. Maintain 8-10 cm water level in summer rice after 10 days of panicle initiation.
- In Madhya Maharashtra, as dry weather would continue to prevail, apply irrigation to summer groundnut. Apply irrigation to sugarcane and undertake mulching with sugarcane trash to reduce moisture loss. Also apply second dose of Nitrogen @ 100 kg N (Urea 217 kg) after completion of 6 to 8 days of planting. Complete harvesting of matured *rabi* crops like wheat and jowar etc. Undertake harvesting of sunflower.
- In Marathwada, complete harvesting of matured sorghum, wheat (sown in the month of October) and safflower. Due to increase in temperature if attack of thrips observed on buds, flowers and small fruits of pomegranate, spray Fipronil @ 2 ml per liter of water.
- In Vidarbha, maintain 2-3 cm water level in transplanted rice fields. Undertake intercultural operation like hand weeding in sesame 30 days after sowing. Apply irrigation to groundnut crop at an interval 10-12 days.

### Jammu& Kashmir

- In Sub Tropical Zone, avoid irrigation in standing crops as rainfall is expected during next 3-4 days. Continue transplanting of cucurbits, tomato, brinjal and chilli. Continue direct sowing of bottle gourd, bitter gourd and pumpkin.
- In Sub Tropical Zone, to control aphids in late sown mustard crop spray Imidacloprid @ 0.3 ml/litre of water or (Dimethoate) Rogor 30 EC @ 1ml/litre of water after current spells of rain.

### Uttarakhand

- In Bhabar and Tarai Zone, continue planting of sugarcane. In mid and high hills, seeds of brinjal, tomato, capsicum and chilli should be sown in nursery. Undertake harvesting of matured mustard during clear weather.
- In Sub Humid Sub Tropic Zone, continue transplanting of onion and tomato.
- In Hill Zone, as there is possibility of rainfall, avoid irrigation in wheat, barley and lentil crops. In Bhabar and Tarai Zone, spray Mancozeb @ 2.5 g/litre of water on a non- rainy day to control leaf spot disease in cole crops.

### Himachal Pradesh

- In Sub-Montane and Low Hill SubTropical Zone, continue nursery preparation of summer vegetables. Undertake sowing of sunflower in low and mid-hill areas.
- In Sub-Montane and Low Hill Tropical Zone, for control of aphid in mustard spray Rogar or Quinalphos @ 2.0 ml/litre of water after current spells of rain.

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

- In Western Plain Zone of Punjab, apply irrigation in wheat at flowering stage. Continue sowing of maize and planting of spring sugarcane.
- In Undulating Plain Zone of Punjab, continue planting of sugarcane and sowing of spring maize. Continue transplanting of chilli and tomato and raising of cucurbit seedlings.
- In Central Plain Zone of Punjab, continue sowing of spring maize.
- In Delhi, continue sowing of early ladies finger (Variety: A-4, Parbani Kranti and Arka Anamika). Undertake sowing of green gram (Variety: Pusa Visal, Pusa 9531, PDM-11, SML-668 and black gram (Variety: Pant Urd 19, Pant Urd 30, Pant Urd 35, PDU-1).

## **Uttar Pradesh**

- In Allahabad, Fatehpur districts of Central Plain Zone, continue land preparation and sowing of summer moong and select high yielding varieties viz. k-851 and JM-721.
- In Eastern Plain Zone, undertake planting of sugarcane. Apply irrigation in wheat as per requirement.
- In Varanasi district of Central Plain Zone, undertake intercultural operations in cucurbit crops. Continue harvesting of matured mustard and digging up of matured tubers of potato. Continue planting of spring sugarcane. Undertake sowing of green gram.

## **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 Terai Zone, continue transplanting of 3-4 leafed Boro rice seedlings.

## **Odisha**

- In Mid Central Table Land Zone, undertake sesame sowing. ( Varieties: Uma, Kalika, Nirmala, Prachi and Usha).
- In Mid Central Table Land Zone, as mainly dry weather would prevail, continue harvesting of matured crop of green gram and black gram.
- In Eastern Ghat High Land Zone, undertake sowing of summer cow pea as temperature is favorable.

## **Gujarat**

- In South Gujarat Heavy Rainfall zone, complete transplanting of summer rice.
- In North Gujarat Zone, continue land preparation for sowing of groundnut, pearl millet and sesame.
- In Middle Gujarat Zone, continue land preparation for sowing of summer groundnut and sesame.
- In South Saurashtra Zone, North Saurashtra Zone and North West Zone, continue sowing of summer groundnut, sesame.

## **Kerala**

- In the Central Zone, undertake planting of pepper vines in nursery beds for rooting. Undertake main filed preparation for Punja rice. Transplant seedlings at 4-5 leaf stage.
- In the Central Zone, due to the increase in temperature, there may attack of insects such as aphids, white flies, hoppers, etc. in vegetables, spray Verticillium or Metarhizium @ 5 g / litre of water and add neem cake as manure.

## Andhra Pradesh

- In the North Coastal Zone, continue planting of sugarcane after sett treatment with Propiconazol @ 1.0 ml/litre for 15 minutes before planting.
- In the Krishna Godavari Zone, undertake harvesting of chick pea, green gram and black gram crops.
- In the Scarce Rainfall Zone, spray Chloropyriphos @ 2 ml/litre for the control of leaf folder in rice.

## Telangana

- In North Telangana Zone, maintain shallow depth of water (2-3 cm) during tillering stage of rice crop.
- In South Telangana Zone, prevailing dry weather conditions are favorable for incidence of aphids in maize, spray Chloropyriphos @ 2 ml or Acephate @ 1.5 g per litre of water.

## Tamil Nadu

- In the High Rainfall Zone, undertake harvesting of matured rice crop. Undertake sowing of pulses in the harvested paddy fields. Provide irrigation and mulching to banana plants. Provide support to banana plants to prevent lodging.

## Karnataka

- In North East Dry Zone, under irrigation facility, undertake sowing of Bt cotton. Apply irrigation to watermelon and rice crops. Complete harvesting of wheat, safflower and sorghum.
- In Southern Dry Zone, undertake transplanting of rice.
- In North East Transition Zone, continue new planting of improved sugarcane variety Co-86032.
- In Southern Transition Zone, continue transplanting of summer rice. Use 8 to 10 month old disease free setts for planting of sugarcane. Continue harvesting of matured rhizomes of turmeric and ginger.