

# Advisory for DD Kisan dated 27.02.18

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

## Significant Weather Features

- Yesterday, the day maximum temperatures more than or equal to 35°C were reported at most places over Gujarat, Marathwada & Kerala; at many places over Vidarbha, Madhya Maharashtra, Odisha, Coastal Andhra Pradesh, Telangana & Coastal Karnataka; at a few places over Konkan & Goa, Chhattisgarh, Rayalaseema, North Interior Karnataka, Tamil Nadu, Konkan & Goa and at isolated places over West Madhya Pradesh, Gangetic West Bengal, Jharkhand, South Interior Karnataka & Lakshadweep.
- **Moderate fog** observed at a few places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at isolated places over Jammu & Kashmir, East Uttar Pradesh, Bihar, Gangetic West Bengal & Odisha

## Realised Rainfall

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

- Rain / Thundershowers observed at most places over Arunachal Pradesh; at many places over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; at isolated places over Jammu & Kashmir and Gangetic West Bengal.

## Minimum temperature

- **Minimum temperature departures as on 27.02.2018:**
- Minimum temperatures are below normal (1.6°C to 3.0°C) at most places over Rayalaseema; at many places over Coastal Karnataka & North Interior Karnataka; at a few places over South Interior Karnataka & Coastal Andhra Pradesh; at isolated places over Tamil Nadu, Konkan & Goa.
- The **lowest minimum temperature of 9.0°C** recorded at **Pachmarhi** (West Madhya Pradesh) in the plains of the country.

## Temperature Forecast:

- No significant change in minimum / maximum temperatures during next 24 hours and fall by 2-3°C thereafter likely over Maharashtra state and Goa.
- Maximum temperatures are likely to rise by 2-3°C over East India during next 2-3 days.
- No significant change is likely in maximum & minimum temperatures over the rest parts of the country during next 2-3 days.

## 5 Day Rainfall Forecast (Mid-day)

**27<sup>th</sup> February 2018**

Met-Sub-Division	27-Feb Today	28Feb Wed	01Mar Thu	02Mar Fri	03Mar Sat
1. Andaman & Nicobar Islands	ISOL	ISOL	DRY	DRY	DRY
2. Arunachal Pradesh	DRY	DRY	ISOL	FWS	FWS
3. Assam & Meghalaya	ISOL	DRY	DRY	SCT	SCT
4. N. M. M. & T.	DRY	DRY	DRY	ISOL	ISOL
5. S.H. West Bengal & Sikkim	ISOL	ISOL	ISOL	ISOL	ISOL
6. Gangetic West Bengal	DRY	DRY	DRY	DRY	DRY
7. Odisha	DRY	DRY	DRY	DRY	DRY
8. Jharkhand	DRY	DRY	DRY	DRY	DRY
9. Bihar	ISOL	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	ISOL	SCT	ISOL
13. Haryana, Chd & Delhi	DRY	DRY	DRY	ISOL	DRY
14. Punjab	DRY	DRY	ISOL	ISOL	DRY
15. Himachal Pradesh	ISOL	ISOL	FWS	WS	ISOL
16. Jammu & Kashmir	ISOL	ISOL	WS	WS	SCT
17. West Rajasthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	DRY	DRY	DRY	DRY	DRY
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	DRY	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. Marathawada	DRY	DRY	DRY	DRY	DRY
26. Vidharbha	DRY	DRY	DRY	DRY	DRY
27. Chhattisgarh	DRY	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	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	DRY	ISOL	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

- **27 February (Day 1):** No weather warning.
- **28 February (Day 2):** Thundersquall accompanied with hailstorm very likely at isolated places over Sikkim.
- **01 March (Day 3):** Thundersquall accompanied with hailstorm very likely at isolated places over Jammu division of Jammu & Kashmir, Himachal Pradesh and Sikkim. Heavy Rain/Snow likely at isolated places over Jammu & Kashmir.
- **02 March (Day 4):** Thundersquall accompanied with hailstorm very likely at isolated places over Uttarakhand, Sikkim, Arunachal Pradesh and Assam & Meghalaya.
- **03 March (Day 5):** Thundersquall accompanied with hailstorm very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Tripura.

## **Thunderstorm accompanied with hailstorm**

### **Warning:**

- **Thunder squall accompanied with hailstorm** very likely at isolated places over Jammu division of Jammu & Kashmir & Himachal Pradesh on 1<sup>st</sup> March, over Sikkim from 28<sup>th</sup> February to 2<sup>nd</sup> March, over Uttarakhand on 2<sup>nd</sup> March, over Arunachal Pradesh and Assam & Meghalaya on 2<sup>nd</sup> & 3<sup>rd</sup> March and over Tripura on 3<sup>rd</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 1<sup>st</sup> & 2<sup>nd</sup> March along with heavy rain/snow likely at isolated places over Jammu & Kashmir on 1<sup>st</sup> March and rain/thundershower would occur at many places over Arunachal Pradesh on 2<sup>nd</sup> and 3<sup>rd</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 and Himachal Pradesh.

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

### **Sate-wise Advisories**

#### **Maharashtra**

- In view of prevailing dry weather and likely to continue during next 5 days over the state, apply irrigation to vegetables like tomato, brinjal, cabbage and cauliflower etc also orchards like mango, pomegranate, orange, sweet lime and grapes etc as per requirement.
- Erect shade to protect newly planted orchards like mango grafts/ coconut seedlings from bright sunshine (temperature around 35<sup>0</sup>C).
- In Konkan, maintain 5 cm water level in summer rice at tillering to panicle initiation stage. In view of expected dry weather, apply 80-100 litres of water per mango tree at 7 days interval as per the availability of water. Also undertake mulching with grass in mango orchards to avoid moisture loss

in lateritic soil. Due to change in weather incidence of thrips may be observed on mango inflorescence, mustard and pea size fruits of mango, spray Spinosad @ 2.5 ml per 10 liters of water on the whole tree.

- In Madhya Maharashtra, undertake harvesting in morning hours of wheat (samadhan variety) crop 2-3 days before maturity of crop is ready. Moisture content in grain should be 15% at the time of harvesting. Undertake threshing after harvesting the crop. Due to present weather condition powdery mildew disease and mango hoppers may emerge on mango inflorescence, spray Spinosad 45 SC @ 3 ml along with Dinocap 48% EC or Penconazol 10% EC @ 5 ml per 10 litre of water.
- In Marathwada, complete harvesting of matured sorghum and wheat (sown in the month of October). Rise in temperature above 35<sup>0</sup>C results in flower dropping in chilli and brinjal crops, undertake sowing of maize crop around chilli and brinjal crop to protect crop from high temperature and hot wind.
- In Vidarbha, undertake harvesting of early sown matured wheat. Complete sowing of summer sesame (Variety-NT-11) and summer okra.

### Rajasthan

- In Flood Prone Eastern Plain Zone, undertake harvesting of matured mustard. Spray Malathion @ 0.1% to manage thrips and aphid attack in brinjal, tomato and chilli.
- In Arid Western Plain Zone, apply irrigation as per requirement to standing crops. Spray Malathion 50 EC @ 1200 ml/ha or Dimethoate 30 EC @ 1200 ml/ha along with water to control aphid attack in mustard.
- In Semi Arid Eastern Plain Zone, undertake sowing of *zaid* green gram, *zaid* groundnut, okra, *zaid* sorghum (fodder), *zaid* Pearl millet (fodder) & early summer cucurbits like bottle gourd, round guard, bitter guard, water melon and musk melon.

### Bihar

- In South Bihar Alluvial Zone, undertake sowing of summer sunflower, maize, green gram, til, sunflower (variety: Morden, Surya, CO-1 and Pairadevik and DRSF-108 and hybrid varieties: BSH-1, KBSH-1, MSFH-1, MSFH-8, MSFH-17 and KBSH-44), summer fodder crops such as sorghum, maize, bajra. Summer vegetables such as okra, pumpkin, cucumber, sponge gourd, ridge guard, and bitter guard.

### Odisha

- In Mid Central Table Land Zone, to control aphid attack in late sown in rapeseed and mustard, spray Neem oil 500ppm @ 5ml/litre of water. In pulses spray Sulfex @ 5g/litre of water to control infestation of powdery mildew.
- In Western Undulating Zone, continue harvesting, threshing and drying of matured *rabi* crops, provide irrigation to vegetable crops and summer rice and complete sugarcane planting.
- In North Eastern Plateau Zone, to control stem borer attack in summer rice, spray Triazophos @ 2 ml/liter of water.

## **Punjab & Delhi**

- In Western zone, farmers are advised do not provide irrigation to the crop. In wheat crop to control yellow rust spray Tilt or Bumper or Markzole @ 200 ml in 200 litres of water per acre. Repeat the spray at 15 days interval. Observe the fields for appearance of aphids, if the population reached the economic threshold level (ETL) i.e. 5 aphids/ear head, spray Confidor 17.8 SL @ 40 ml or Actara 25 WG @ 20g / 80-100 liters of water per acre
- In Delhi, continue sowing of early ladies finger ( variety: A-4, Parbani, Kranti and Arka anamika cultivars).

## **Assam**

- In Lower Brahmaputra Valley Zone of Assam, undertake harvesting mature potato crop as early as possible. Undertake land preparation for summer green gram/black gram, pointed gourd, okra and sugarcane.
- In the Hill Zone of Assam, undertake land preparation and sowing of green gram (Variety: T44, AAU 34, AAU 39, Pratap etc) and black gram (variety: T 9, Pant U 19, JU 78 etc). Undertake sowing of summer okra (variety: A-4, Parbani Kranti and Arka anamika cultivars). Spray Mancozeb 0.2% @2g/lit of water for control blast in Boro rice,
- In the Upper Brahmaputra Valley Zone, undertake land preparation for sowing of maize, black gram and green gram.