

# Advisory for DD Kisan dated 16.02.18

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

## Significant Weather Features

- **Dense to very dense fog** observed at isolated places over Jammu & Kashmir and Moderate fog observed at isolated places over Haryana & Delhi, East Uttar Pradesh and Tripura.

## Realised Rainfall

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

- Rain/snow observed at isolated places over Jammu & Kashmir. Very light rain/thundershowers observed at isolated places over Arunachal Pradesh and Tamilnadu & Puducherry.

## Minimum temperature

- **Minimum temperature departures as on 16.02.2018:**
- Minimum temperatures are appreciably below normal (3.1°C to 5.0°C) at many places over Vidarbha; at a few places over East Madhya Pradesh, Odisha, Gangetic West Bengal and Rayalaseema; below normal (1.6°C to 3.0°C) at most places over Jharkhand, at many places over Chhattisgarh & North Interior Karnataka; at a few places over Coastal Andhra Pradesh, rest Odisha & rest Gangetic West Bengal; at isolated places over West Madhya Pradesh & Tamilnadu & Pudducherry.
- The **lowest minimum temperature of 6.0°C** recorded at **Pachmarhi (West Madhya Pradesh)** in the plains of the country.

## Forecast:

- The minimum temperatures are very likely to rise by 2-3°C over most parts of the country during next 72 hours.

## 5 Day Rainfall Forecast (Mid-day)

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

Met-Sub-Division	16-Feb Today	17Feb Sat	18Feb Sun	19Feb Mon	20Feb Tue
1. Andaman & Nicobar Islands	DRY	DRY	DRY	DRY	DRY
2. Arunachal Pradesh	ISOL	ISOL	ISOL	ISOL	DRY
3. Assam & Meghalaya	DRY	DRY	DRY	DRY	DRY
4. N. M. M. & T.	DRY	DRY	DRY	DRY	DRY
5. S.H. West Bengal & Sikkim	DRY	DRY	DRY	DRY	DRY
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	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	ISOL	DRY	DRY	DRY	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	ISOL	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	SCT	DRY	DRY	DRY	ISOL
17. West Rajsthan	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. Marathwada	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	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	ISOL	DRY	DRY	DRY	DRY
35. Kerala	ISOL	DRY	DRY	DRY	DRY
36. Lakshadweep	ISOL	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

- 16 – 20 February (Day 1- 5): No weather warning.

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

### Salient advisories

- The hailstorm during 11<sup>th</sup> to 13<sup>th</sup> February in Maharashtra caused damage in rabi jowar, red gram, Bengal gram, safflower, sunflower, grapes, sweet lime, papaya, vegetables grown in Jalna, Beed districts of Marathwada, orange, gram in Buldhana, Washim, Amaravati and Akola districts of Vidarbha; Rabi jowar, Bengal gram, onion vegetables in Dhule, Nandurbar districts of Madhya Maharashtra. The following measures are advised:
  - In orchards, clean up the debris and fallen fruits from orchards and trim off broken stems and leaves of plants to avoid further spread of pest and diseases.
  - Application of fungicide to prevent rot from entering before the wounds are able to seal in damaged.
  - Apply a layer of mulch around the base of the plant to help it survive in summer.
  - If some plants are too heavily affected and fixing hail damage is not possible. These plants should be removed and replaced with new plants.
  - Harvest the lodged matured crops as early as possible.
- Continue transplanting of summer rice in South Interior Karnataka, Jharkhand and Odisha. In Western Plain Zone of Punjab, continue sowing of maize and planting of spring sugarcane. Undertake sowing of green gram and black gram in Odisha and Madhya Pradesh.
- As dry weather would prevail, apply irrigation in wheat at grain filling stage and at dough stage in barley in Sub Humid Southern Plain and Aravalli Hill Zone of Rajasthan. Apply irrigation in chickpea and vegetables in Gujarat. Apply second irrigation in gram at branching stage and in wheat at dough stage in West Madhya Pradesh.

### State-wise Advisories

#### Odisha

- In Mid Central Table Land Zone, as dry weather would prevail, maintain optimum water level in *rabi* rice. Undertake harvesting of matured green and black gram.
- In Western Undulating Zone, as dry weather is prevailing, apply irrigation to vegetables and in summer rice. Continue planting of sugarcane.
- In Eastern Ghat High Land Zone, continue sowing of summer green gram and black gram. Prepare the main field for transplanting and undertake transplanting at three week stage of seedling.

#### Bihar

- In South Bihar Alluvial Zone, as dry weather would prevail, apply irrigation in the pea crop before flowering stage and in normal sown wheat.
- In North East Alluvial Zone, continue transplanting of cauliflower, cabbage, broccoli in raised bed.
- In North East Alluvial Zone, due to prevailing foggy weather, incidence of blight may occur in potato. If symptoms appear then spray Carbendazim @ 1 g/litre of water or Dithane-M-45 @ 2 g/litre of water.

## **Jharkhand**

- In South Eastern Plateau Zone, undertake transplanting of summer rice. For transplanting, use 21-25 days old seedling and before transplanting, puddle the soil with 3 to 5 cm of standing water.
- In Central and North Eastern Plateau Zone, continue transplanting of summer rice. If irrigation facility is available, undertake sowing of maize with recommended dose of fertilizer. Undertake sowing of summer green gram.
- In Western Plateau Zone, continue harvesting of matured toria.

## **West Bengal**

- In Coastal Saline Zone, complete transplanting of Boro rice. Keep proper water level in the field. Continue sowing of green gram.
- In the Old Alluvial Zone, continue transplanting Boro rice.
- In Laterite and Red Soil Zone, spray Imidachloprid @ 1 ml/1.5 litres of water for aphids in mustard crop at pod development stage.

## **Gujarat**

- In South Gujarat Zone, apply irrigation to vegetable crops as there is increase in temperatures. Spray 0.5% Zinc Sulphate or 0.2% Ferrous Sulphate in banana crop for higher yield and good fruits quality. Spray 2% Potassium Nitrate in mango crop for effective control of mango fruit dropping and higher flower setting.
- In South Saurashtra Zone, continue harvesting of matured pigeon pea and coriander. Apply irrigation in chickpea at regular interval.
- In North Gujarat Zone, undertake land preparation for sowing of summer groundnut and sesame. Continue sowing of vegetable (okra, cluster bean and bottle gourd) crops.
- In North Saurashtra Zone, undertake sowing of groundnut and land preparation for sowing of sesame; undertake sowing of sesame when minimum and maximum temperature rises to 19°C and 30°C respectively.
- In South Gujarat Heavy Rainfall zone, continue transplanting of summer rice.

## **Madhya Pradesh**

- In Nimar Valley Zone, continue sowing of green gram, black gram and groundnut.
- In Grid Zone, continue nursery sowing of summer vegetables. Undertake harvesting of matured toria and mustard.
- In Satpura Plateau Zone, continue planting of spring sugarcane and sowing of groundnut and maize. Undertake harvesting early varieties of gram.

## **Chhattisgarh**

- In North Hill Zone, continue nursery sowing of summer vegetable crops (cauliflower, cabbage, tomato, brinjal, chilli, Continue planting of sugarcane. Continue harvesting of matured mustard.
- In Chhattisgarh Plain Zone, complete sowing of summer vegetables like pumpkin, bitter gourd, bottle gourd, okra etc.
- In Bastar Plateau Zone, for control of powdery mildew disease in pea crop broadcast Sulphur (200 mes) dust @ 25 - 30 kg/ha.

## **Kerala**

- In the Problem Area Zone, continue harvesting of matured nutmeg fruits. Provide irrigation to banana and coconut as per requirement. Undertake transplanting of brinjal and tapioca.
- In the Southern Zone, undertake harvesting of Mundakan rice. Cow pea and other vegetables can be raised after harvesting rice.

## 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 Southern Zone, the present weather conditions are favourable for stem borer attack in rice. To control, spray Chloripyriphos @ 2.5 g or Acephate @ 1.5 g per litre of water. Due to dry weather prevailed in the district there is possibility of incidence of thrips attack in groundnut at flowering to pegging stage. Spray Monocrotophos @ 1.6 ml. or Imidachloprid @ 0.3 ml/litre of water to control the incidence of bud necrosis.

## Karnataka

- In Southern Dry Zone, continue nursery bed preparation for sowing of ragi (KMR-304, 301, Indof - 9, GPU-28) and for rice (MTU-1000, 1001, KRH-4, IR-64 varieties).
- In Southern Transition Zone, continue transplanting of summer rice. Undertake planting of sugarcane and harvesting of matured coconut.
- In North East Transition Zone, undertake new plantation of improved sugarcane variety Co-86032. Complete harvesting of pigeon pea.
- In North East Dry Zone, continue planting of sugarcane. Complete harvesting of red gram, Bengal gram and safflower. Apply irrigation to wheat crop.

## Maharashtra

- The hailstorm during 11<sup>th</sup> to 13<sup>th</sup> February in Maharashtra caused damage in rabi jowar, red gram, Bengal gram, safflower, sunflower, grapes, sweet lime, papaya, vegetables grown in Jalna, Beed, Parbhani districts of Marathwada, orange, gram in Buldhana, Washim, Amaravati and Akola districts of Vidarbha; rabi jowar, Bengal gram, onion @ vegetables in Dhule, Nandurbar districts of Madhya Maharashtra. The following measures are advised:
  - In orchards, clean up the debris and fallen fruits from orchards and trim off broken stems and leaves of plants to avoid further spread of pest and diseases.
  - If some plants are too heavily affected and fixing hail damage is not possible. These plants should be removed and replaced with new plants.
  - Harvest the lodged matured crops as early as possible.
- In Konkan, in transplanted rice, maintain 5 cm water level at tillering stage. Due to change in weather conditions (partly cloudy), the 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, due to cloudy weather, onion crop may be affected by blight, spray Mancozeb or Chlorothalonil @ 25 g or Tebuconazol @ 10 ml per 10 litres of water. For control of hoppers in mango, spray Lambda Cyhalothrin 5% EC @ 5 ml or Profenophos 50 EC @ 10 ml per 10 liters of water.
- In Marathwada, as dry weather is prevailing, undertake harvesting of matured Bengal gram, citrus fruits. To control rust in wheat, spray Dithane 45 % @ 20 g per 10 liter of water. Apply irrigation in *ambe bahar* pomegranate and citrus orchard.
- In Vidarbha, complete harvesting of matured gram and red gram as early as possible. Due to recent rain there may be incidence of leaf spot on pomegranate fruits, spray Copper Oxochloride @ 25 g per 10 litre water. To control fruit drop in citrus, spray 10 to 15 ppm NAA (Naphtalic Acetic Acid).