

**Advisory for DD Kisan dated 22.02.19**  
**(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)**

**Significant Weather Features**

- Rainfall activity is very likely to get enhanced over east & northeast India from 24th February, in association with likely development of conducive conditions for moisture incursion and wind confluence in the lower levels and divergence in the upper levels. Scattered to fairly widespread rainfall with isolated thunder squalls & lightning are very likely over Jharkhand, West Bengal, north Odisha, Assam & Meghalaya, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura mainly during 24th-27th Feb. The activity is likely to continue over northeastern States alone on 28th February.
- A fresh western disturbance is very likely to affect Western Himalayan Region from the evening/night of 24th Feb. and northern plains from 25th Feb. Also another Western Disturbance and its induced cyclonic circulation in quick succession is very likely to enhance the rainfall activity over northwest India on 26th & 27th. This could result in fairly widespread to widespread rain/ snow with isolated heavy falls; thundersquall and Hailstorms over western Himalayan region and rainfall with isolated thunder squalls / hailstorms over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh on 26th February.
- Strong surface winds speed reaching 30-40 kmph gusting to 50 kmph are likely over plains of northwest India, mainly over Punjab, Haryana and West Rajasthan on 26th February.

**Realised Rainfall**

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

- Rain/snow/thundershowers occurred at most places over Jammu & Kashmir and Himachal Pradesh and at isolated places over Uttarakhand .
- Rain/thundershowers occurred at isolated places over Punjab, Haryana, East Uttar Pradesh and West Rajasthan.

## Weather Forecast for next 5 days \* upto 0830 hours IST of 26<sup>th</sup> February

- Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- No significant change in night minimum temperatures very likely over the major parts of the country during next 3 days.
- Maximum temperatures are likely to remain above normal by 2-3 °C over south peninsula, during next 3 days and over Maharashtra and east India during next 2 days

Table 1

5 Day Rainfall Forecast (MID-DAY)					
	22-Feb Today	23Feb Sat	24Feb Sun	25Feb Mon	26Feb Tue
1. Andaman & Nicobar Islands	ISOL	DRY	DRY	DRY	ISOL
2. Arunachal Pradesh	ISOL	SCT	FWS	FWS	WS
3. Assam & Meghalaya	ISOL	ISOL	ISOL	SCT	FWS
4. N. M. M. & T.	ISOL	ISOL	ISOL	SCT	FWS
5. S.H. West Bengal & Sikkim	ISOL	ISOL	ISOL	SCT	SCT
6. Gangetic West Bengal	DRY	DRY	SCT	FWS	WS
7. Odisha	DRY	ISOL	SCT	SCT	SCT
8. Jharkhand	DRY	ISOL	SCT	FWS	SCT
9. Bihar	ISOL	ISOL	ISOL	ISOL	SCT
10. East Uttar Pradesh	DRY	DRY	DRY	ISOL	SCT
11. West Uttar Pradesh	DRY	DRY	DRY	ISOL	FWS
12. Uttarakhand	SCT	DRY	DRY	SCT	WS
13. Haryana, Chd & Delhi	DRY	DRY	DRY	ISOL	FWS
14. Punjab	DRY	DRY	DRY	ISOL	FWS
15. Himachal Pradesh	SCT	DRY	ISOL	SCT	WS
16. Jammu & Kashmir	ISOL	DRY	ISOL	SCT	WS
17. West Rajasthan	DRY	DRY	DRY	ISOL	ISOL
18. East Rajasthan	DRY	DRY	DRY	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	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	ISOL	DRY	DRY	DRY
26. Vidharbha	DRY	DRY	ISOL	ISOL	DRY
27. Chhattisgarh	ISOL	ISOL	ISOL	ISOL	ISOL
28. Coastal Andhra Pradesh	DRY	DRY	DRY	DRY	ISOL
29. Telangana	DRY	DRY	ISOL	ISOL	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	DRY	DRY	DRY	DRY	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	DRY
35. Kerala	DRY	DRY	DRY	DRY	ISOL
36. Lakshadweep	DRY	DRY	DRY	DRY	DRY

  

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

## Weather Warning

- **22 February (Day 1): ♦ No weather warnings.**
- **23 February (Day 2): ♦ No weather warnings.**
- **24 February (Day 3): ♦ Thunderstorm accompanied with lightning & gusty winds** at isolated places very likely over Odisha, Gangetic West Bengal and Jharkhand.
- **25 February (Day 4): ♦ Thundersquall accompanied with Hailstorm & lightning** at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, north Rajasthan, Jharkhand, Gangetic West Bengal and Odisha.
- **Thunderstorm accompanied with lightning & gusty winds** at isolated places very likely over East Madhya Pradesh, Chhattisgarh, Bihar, Sub-Himalayan West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Arunachal Pradesh.
- **26 February (Day 5): ♦ Thundersquall accompanied with Hailstorm & lightning** at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, north Rajasthan, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Bihar, Gangetic West Bengal and Odisha.
- **Thunderstorm accompanied with lightning & gusty winds** at isolated places likely over West Madhya Pradesh, Chhattisgarh, Jharkhand, Sub-Himalayan West Bengal, Odisha and Arunachal Pradesh.
- **Heavy rain/snow at isolated places likely** over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Heavy rain/thundershowers over Gangetic West Bengal...

## Salient Advisories

### Thunderstorm/ hailstorm and advisory

#### Warning

- **Thundersquall accompanied with Hailstorm & lightning at isolated places** likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, north Rajasthan, , Gangetic West Bengal and Odisha on 25<sup>th</sup> and 26<sup>th</sup> ; Jharkhand on 25<sup>th</sup> and Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya and Bihar on 26<sup>th</sup>.
- **Thunderstorm accompanied with lightning & gusty winds at isolated places** very likely over Chhattisgarh, Arunachal Pradesh and Sub-Himalayan West Bengal on 25<sup>th</sup> and 26<sup>th</sup> ; East Madhya Pradesh Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and. Bihar on 25<sup>th</sup> and West Madhya Pradesh and Odisha on 26<sup>th</sup>.

#### Advisory

In above regions, use hail net for orchard crops to protect from mechanical damage. Provide support to young fruit plants and staking in vegetables to prevent the crops from lodging due to strong winds. Postpone application of plant protection measures and fertilizers to the standing crops during gusty wind.

## Heavy rain/snow

### Warning

- Heavy rain/snow at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Heavy rain/thundershowers over Gangetic West Bengal 26<sup>th</sup>.

### Advisory

- Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide drainage channels in the fields wherever there is probability of water accumulation in rabi crops (wheat, oats, lentil, pea, brown sarson, saffron chickpea) in Jammu & Kashmir. Avoid pruning of apple trees.

### Assam, Arunachal Pradesh and Manipur

- In Assam undertake harvesting rapeseed & mustard and matured potato crops at the earliest and keep the produce at safer location as early as possible. Continue land preparation/ sowing of Green gram and Black gram.
- In Upper Brahmaputra Valley Zone of Assam undertake land preparation for sowing of maize. During the time of land preparations apply 7 quintals of FYM per bigha of land
- In Arunachal Pradesh undertake nursery sowing of early kharif vegetables like Capsicum, tomato & other vegetables. Provide adequate drainage to already sown crops to avoid water stagnation.
- In Manipur, continue nursery raising of pre-*kharif* rice and undertake land preparation for transplanting of *kharif* rice.
- In Nagaland, postpone harvesting due to chances of rainfall of matured toria / mustard .
- In Tripura continue harvesting of *rabi* legumes (mustard, lentil).

### Jammu & Kashmir

- In valley region undertake sowing of solanaceous crop seeds under polyhouses for raising early nursery. Sowing of cucurbit seeds in polybags for raising early nursery under protected conditions. Proper drainage may be provided in all vegetable crop fields to avoid water logging.
- In Jammu division weather is congenial for incidence of *Aschochyta* blight and wilt diseases in gram crop. If the symptom observed drench the affected spots with Bavistin @10ml/ lit. of water

### Uttarakhand

- Undertake planting of fruit crops like-apple, pear, plum, walnut etc during clear weather. Remove newly emerges sprouting/buds from below of grafted part. Also remove polythene sheet from one year old grafted scion
- In high hills, tuber of potato should be treated in the solution of 0.25% chemical of mancozeb for half an hour and keep in the shade and save the tuber for sowing in the month of March

### Tamilnadu and Puducherry

- In Karaikal region, continue sowing of rice fallow pulses, cotton and sesame after seed treatment.
- In Southern zone of Tamilnadu prevailing weather condition the incidence of Mango hopper is expected in Mango. Spray Imidachlopride 30ml with 10 litre of water.

### Madhya Pradesh and Chhattisgarh

- In Jhabua Hill zone of Madhya Pradesh continue harvesting of chickpea and mustard. Prepare field for transplanting the tomato, chilli, brinjal, etc. and sowing of cucurbitaceous crops.
- In Chhattisgarh weather is congenial for incidence of stem borer on summer paddy. Fix pheromone traps and light trap nearby the field as a control measure.

### Gujarat

- In Gujarat undertake harvesting of mustard, castor and potato. Also undertake land preparation for sowing of sesame.
- In Saurashtra & Kutch, undertake land preparation for sowing of sesame, groundnut and pearl millet. Also harvest the matured chick pea and mustard.

### Maharashtra

- In Konkan, continue sowing of okra. Use straw mulch to reduce evaporation in mangoes
- In Madhya Maharashtra, to avoid evaporation apply mulching of dry grass, leaves, hay, straw etc..
- In Marathwada, continue harvesting of chickpea, turmeric and rabi sorghum. Keep harvested produce in safer place. Continue sowing of fodder crops like sorghum, maize, pearl millet etc..
- In Vidarbha, continue harvesting of matured safflower and gram. Keep harvested produce at a safer place.

### Andhra Pradesh and Telangana

- In North Coastal Andhra Pradesh, weather is congenial for incidence of Early Shoot borer in sugarcane. Spray Fipronil granules 10 kgs/ac and trash mulching @1.25 t/ac. for conservation of soil moisture.
- In Rayalaseema, present weather conditions there favourable for occurrence of Tikka early leaf spot in groundnut. Spray Mancozeb @ 400 g + carbendazim @ 200 g. or chlorothalonil @ 400 g or hexaconazole @ 400 ml /acre in 200 L of water twice with an interval of 15 days.
- In Telangana, prevailing low temperature and foggy weather is congenial for the incidence of Blast disease in rice. Spray Tricyclazole @ 0.6 g or Isoprothiolane @ 1.5 ml or Kasugamycin @ 2.5 ml per litre of water twice in 10-15 days interval.

### Uttar Pradesh

- In East Uttar Pradesh, undertake sowing of cucurbits crops, spring time sugarcane, Undertake harvesting of rapeseed & mustard and digging of matured potato.
- In West Uttar Pradesh, undertake land preparation for sowing of *Zaid* crops like maize and urad.

### Rajasthan

- Continue harvesting of potato after leaves become yellow. Stop irrigation ten days prior to harvest.
- In Sub humid and Southern Plain and Aravali Hill Zone, undertake sowing for summer groundnut and summer okra.

### Odisha

- Due to fluctuation in differential of day and night temperature, there is possibility of attack of Tobacco caterpillar (*Spodoptera litura*) on mustard in the state. Place poison bait with 1 kg rice bran + 200g jaggery/gur + 20- 25g Cartap Hydrochloride + Water. Keep the bait at 20-25 different

places nearer to bunds in the affected field. If require spray Lambda cyhalothrin 4.9CS@300ml/acre over the crop.

- Continue land preparation for planting of sugarcane, sowing of mung and sesamum in the state.

### West Bengal

- In Sub Himalayan West Bengal, undertake harvesting of cole crop (cauliflower, cabbage, etc).
- In Coastal Saline zone undertake land preparation sowing of summer muung and okra.

### Bihar & Jharkhand

- Continue sowing of maize and land preparation for transplanting of rice in Jharkhand.
- Undertake harvesting of early sown mustard & potato after proper hardening of tuber and undertake sowing of summer maize, sunflower & vegetables in Bihar.

### Punjab, Haryana and Delhi

- In Punjab, weather is favourable for incidence of aphids on wheat. Monitor the crop and if noticed spray 40 ml of Confidor 17.8 SL or 20g Actara 25 WG in 80-100 liter of water per acre. Continue sowing of spring maize and sunflower.
- Due to prevailing high humidity level in Haryana incidence of *Alternaria* blight and powdery mildew may occur in mustard crop, if observed spray Mancozeb/Indophil M 45 @ 600 gram in 300 liter water per acre after current spells of rain.
- In Delhi, undertake land preparation for sowing of green gram and black gram.

### Himachal Pradesh

- In the low hills due to humid weather, white rust may occur on mustard crop. Monitor the crop and if observed spray Dithane-M-45 @ 2 gram per litre of water after current spells of rain.