

Advisory for DD Kisan dated 20.03.18

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

Significant Weather Features

- The Western Disturbance over Afghanistan & adjoining Pakistan is likely to cause scattered to fairly widespread rain/snow over Western Himalayan region on 21st & 22nd March. Thunderstorms / hailstorms are also very likely at isolated places over Himachal Pradesh & Uttarakhand on 21st. Thunderstorms /duststorms/gusty winds are very likely at isolated places over plains of Northwest India on 21st.
- Dust raising winds very likely at isolated places over Rajasthan during next 24 hours.
- The parts of East India is likely to experience isolated thundersqualls on 22nd & 23rd March.

Realised Rainfall

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

- Rain/thundershowers observed at a few places over Lakshadweep & West Madhya Pradesh and at isolated places over West Uttar Pradesh, Rajasthan, East Madhya Pradesh, Madhya Maharashtra, Marathwada, Vidarbha, Karnataka and Kerala.

Maximum temperature

- **Maximum temperature departures as on 19.03.2018:** Maximum temperatures were **markedly above normal** (5.1°C or more) at most places over Jammu & Kashmir and Himachal Pradesh; **appreciably above normal** (3.1°C to 5.0°C) at most places over Haryana, Chandigarh & Delhi; at a few places over Punjab and at isolated places over West Rajasthan; **above normal** (1.6°C to 3.0°C) at most places over Uttarakhand and West Uttar Pradesh; at a few places over East Madhya Pradesh, Gangetic West Bengal and Konkan & Goa; at isolated places over East Rajasthan, West Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Arunachal Pradesh Odisha, Saurashtra & Kutch and Kerala.
- **The highest maximum temperature of 39.2°C** recorded at **Hoshangabad (West Madhya Pradesh)** over the country.

Temperature Forecast:

- Maximum temperatures very likely to rise by 2-3°C over parts of Central India & adjoining peninsular India during next 3 days.
- No significant change in maximum temperatures likely over Northwest India during next 48 hours and rise by 2-3°C thereafter.
- No significant change in maximum and minimum temperatures likely over rest of the country during next 2-3 days.

5 Day Rainfall Forecast (Mid-day) 20th March 2018

| Met-Sub-Division | 20-Mar Today | 21Mar Wed | 22Mar Thu | 23Mar Fri | 24Mar Sat |
|------------------------------|-----------------|--------------|--------------|--------------|--------------|
| 1. Andaman & Nicobar Islands | DRY | DRY | DRY | ISOL | ISOL |
| 2. Arunachal Pradesh | ISOL | ISOL | SCT | WS | SCT |
| 3. Assam & Meghalaya | DRY | DRY | ISOL | SCT | ISOL |
| 4. N. M. M. & T. | DRY | DRY | ISOL | SCT | ISOL |
| 5. S.H. West Bengal & Sikkim | DRY | ISOL | ISOL | SCT | ISOL |
| 6. Gangetic West Bengal | DRY | DRY | ISOL | ISOL | ISOL |
| 7. Odisha | DRY | DRY | ISOL | ISOL | ISOL |
| 8. Jharkhand | DRY | ISOL | ISOL | ISOL | DRY |
| 9. Bihar | DRY | ISOL | ISOL | ISOL | DRY |
| 10. East Uttar Pradesh | DRY | ISOL | ISOL | DRY | DRY |
| 11. West Uttar Pradesh | DRY | ISOL | ISOL | DRY | DRY |
| 12. Uttarakhand | DRY | SCT | SCT | ISOL | DRY |
| 13. Haryana, Chd & Delhi | DRY | ISOL | ISOL | DRY | DRY |
| 14. Punjab | ISOL | SCT | ISOL | DRY | DRY |
| 15. Himachal Pradesh | ISOL | FWS | SCT | ISOL | DRY |
| 16. Jammu & Kashmir | ISOL | SCT | ISOL | ISOL | ISOL |
| 17. West Rajasthan | ISOL | ISOL | DRY | DRY | DRY |
| 18. East Rajasthan | ISOL | ISOL | DRY | DRY | DRY |
| 19. West Madhya Pradesh | ISOL | DRY | DRY | DRY | DRY |
| 20. East Madhya Pradesh | ISOL | ISOL | 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 | ISOL | DRY | DRY | DRY | ISOL |
| 25. Marathwada | DRY | DRY | DRY | DRY | DRY |
| 26. Vidharbha | ISOL | ISOL | DRY | DRY | DRY |
| 27. Chhattisgarh | DRY | ISOL | ISOL | ISOL | DRY |
| 28. Coastal Andhra Pradesh | DRY | DRY | DRY | ISOL | ISOL |
| 29. Telangana | DRY | DRY | DRY | ISOL | ISOL |
| 30. Rayalaseema | DRY | DRY | DRY | DRY | DRY |
| 31. Tamilnadu & Puducherry | DRY | DRY | DRY | ISOL | ISOL |
| 32. Coastal Karnataka | ISOL | ISOL | DRY | DRY | DRY |
| 33. North Interior Karnataka | ISOL | DRY | DRY | DRY | ISOL |
| 34. South Interior Karnataka | ISOL | ISOL | ISOL | DRY | DRY |
| 35. Kerala | ISOL | ISOL | ISOL | ISOL | ISOL |
| 36. Lakshadweep | ISOL | ISOL | 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

- **20 March (Day 1):** No weather warning.
- **21 March (Day 2):** Thunderstorm accompanied with hailstorm very likely at isolated places over Himachal Pradesh and Uttarakhand.
Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir and Punjab.
Thunderstorm accompanied with duststorm very likely at isolated places over Haryana, Chandigarh & Delhi, north Rajasthan and Uttar Pradesh.
- **22 March (Day 3):** Thunderstorm accompanied with squall very likely at isolated places over Bihar, Jharkhand, Odisha, West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

- **23 March (Day 4):** Thunderstorm accompanied with squall very likely at isolated places over Gangetic West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- **24 March (Day 5):** No weather warning.

Thunderstorm accompanied with hailstorm / squall/ gusty winds/duststorm

Warning:

- Thunderstorm accompanied with hailstorm very likely at isolated places over Himachal Pradesh and Uttarakhand on 21st March.
- Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir and Punjab and thunderstorm accompanied with duststorm very likely at isolated places over Haryana, Chandigarh & Delhi, north Rajasthan and Uttar Pradesh on 21st March.
- Thunderstorm accompanied with squall very likely at isolated places over Bihar, Jharkhand, Odisha on 22nd and over West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 22nd & 23rd March.

Advisory:

- In view of expected thunderstorm accompanied with hailstorm over Himachal Pradesh and Uttarakhand, protect orchard crops from mechanical damage. Arrange support to young fruit plants and vegetables.
- In view of expected thunderstorm accompanied with gusty winds/ squall 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

Assam, Arunachal Pradesh

- In Arunachal Pradesh, undertake sowing of summer vegetables under present weather conditions.
- In the Hill Zone of Assam, undertake sowing of Early Ahu rice (direct seeded) with dwarf varieties such as Luit, Kapilee, IR-36, Kalinga 3 etc. and tall varieties such as Baghlami, Rangadoria, Ahujaha, Kolamanik etc. Undertake sowing of summer okra.
- In Upper Brahmaputra Valley Zone, undertake land preparation for Bao rice, ginger and banana. Continue the planting of sugarcane. Undertake planting of banana.
- In the Barak Valley Zone, undertake sowing of Ahu rice (direct seeded) in this month as weather is favourable. Undertake sowing of summer okra.

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.
- In the Central Zone, carry out land preparation for ginger.

Tamil Nadu

- In Cauvery Delta Zone, undertake harvesting of matured Thaladi rice as dry weather is expected during next 3 days. Powdery mildew incidence is being noticed in the rice fallow pulses fields, spray Wetable Sulphur @ 600g/acre in 200 litres of water.
- In Karaikal district, to prevent grain discolouration in rice, spray Carbendazim + Thiram + Mancozeb (1:1:1) mixture @ 2 g / litre of water at 50% flowering stage or spray NSKE @5%.
- In the Southern Zone, prevailing weather condition is favorable for rice ear head bug, spray Malathion 50 EC @ 500 ml/ha twice. In order to conserve soil moisture in chilli, undertake dust mulch through manual hoeing and crop residue mulch in the inter-row space.

Andhra Pradesh

- In Southern Zone, due to increasing temperatures there is possibility of occurrence of thrips in mango varieties like Neelam. To control spray Acephate @ 1.5 g. or Fipronil @ 2 ml/litre of water. The present weather situation is favourable for occurrence of stem rot in rice, drain out the water from the field and dry the field for 1 to 2 days. Spray Hexaconazole @ 400 ml or Propiconazole @ 200 ml/acre.
- In Krishna Godavari Zone, maintain 5cm water from panicle initiation stage to grain hardening stage in rice. To control sap sucking pest in black gram & green gram, spray Monocrotophos @ 320 ml or Dimethoate @ 400 ml/acre.

Jammu & Kashmir

- Continue sowing of cucurbit in poly bags for early nursery raising inside poly houses in Cold Arid Zone. Undertake training and pruning in orchards.
- In Sub Tropical Zone, continue transplanting of cucurbits, tomato, brinjal and chilli. Undertake digging up of matured tubers of potato.

Punjab, Delhi

- In Western Zone, due to gusty wind speed and light rain forecast during next 2-3 days, farmers are advised not to irrigate wheat, mustard, rapeseed & vegetables.
- In New Delhi, in view of increasing temperature irrigate wheat crop in grain filling stage and vegetables during evening hours. 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).

Rajasthan

- Undertake harvesting of mature wheat during morning hours in Flood Prone Eastern Plain Zone. After pruning in citrus, spray Copper Oxy chloride @ 3g / litre water.
- In Arid Western Plain Zone, apply irrigation to wheat at dough stage. Undertake harvesting of matured mustard.
- In Sub Humid Southern Plain and Aravali Hill Zone, apply irrigation in summer groundnut and green gram at flowering stage. Undertake sowing of guar and cowpea for vegetable purpose.

Gujarat

- In South Gujarat Heavy Rainfall Zone, complete planting of sugarcane. Undertake weeding in summer groundnut and pulse crop and apply irrigation.
- In North Gujarat Zone, undertake sowing of green gram and cowpea; continue sowing of sesame, pearl millet, vegetable crops (okra, cluster bean and cowpea) and transplanting of brinjal seedlings. Undertake weeding in groundnut crop.

- In South Saurashtra Zone, apply irrigation to summer groundnut & sesame. For control of thrips in summer groundnut, spray neem seed extract @ 5% and Profenofos @ 20 ml per 10 liters of water at 10 days interval.

Maharashtra

- In Konkan, maintain 8-10 cm water level in summer rice. Undertake the harvesting of 80 to 85% matured mangoes in morning and evening hours. Keep the harvested fruits in shade to prevent spongy tissue disease and to protect from heat.
- In Madhya Maharashtra, apply irrigation to orchards and vegetable crops. For control of thrips in vegetables like cucumber, bitter gourd, brinjal, tomato and orchards like watermelon and muskmelon, spray 4% Neemark.
- In Marathwada, irrigate summer pearl millet at interval of 8 to 10 days. To control attack of sucking pest in summer groundnut, spray Dimethoate 30 % @ 10 ml per 10 liter of water.
- In Vidarbha, keep the harvested produce of wheat, vegetables (onion) and fruits in safer place. Maintain 2-3 cm water level in transplanted rice fields in east Vidarbha. To control attack of blast in rice, spray Hinosan @ 6 ml or Copper Oxchloride @ 25 g along with 0.5 g Streptocycline in 10 liter of water.

Animal Husbandry

- Keeping in view of increasing temperature, in South Bihar Alluvial Zone, vaccinate the animals to protect from foot and mouth disease, bovine ephemeral fever (aadhaya). Give clean drinking water and keep them in shed and airy places. Vaccinate the poultry to protect from ranikhet, gambora (IBD) and fowl pox diseases.
- In Mid Central Table Land Zone of Odisha, as temperature has started increasing, provide sufficient clean drinking water to the cattle. Provide gunny bag covering outside the cowshed and sprinkle water. Avoid grazing of animals during the noon hours.
- In the Old Alluvial Zone of West Bengal, vaccinate goat against pox virus and PPR.
- In the Hill Zone and Lower Brahmaputra Valley Zone of Assam, Vaccinate cattle against FMD, HS and BQ.