



23rd March – World Meteorological Day
Weather-ready, climate-smart

Advisory for DD Kisan dated 23.03.18 (Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Significant Weather Features

- Parts of East & northeast India is likely to experience isolated thunder squalls during next 24 hours.
- Hailstorms were reported at isolated places Sikkim, yesterday.
- Day maximum temperatures remained to be 40°C at isolated places over Rayalaseema, Telangana, Tamil Nadu and Odisha, yesterday.

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 Himachal Pradesh and Assam & Meghalaya; at a few places over Jammu & Kashmir and Uttarakhand and at isolated places over West Bengal & Sikkim, Jharkhand, Punjab, Coastal Andhra Pradesh, Telangana, Rayalaseema, Tamil Nadu and Kerala.

Maximum temperature

- **Maximum temperature departures as on 22.03.2018:** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated place over Jammu & Kashmir, Uttar Pradesh and Tamil Nadu; above normal (1.6°C to 3.0°C) at a few place over Jammu & Kashmir, Jharkhand, West Uttar Pradesh, Bihar, Odisha, Chhattisgarh and Tamil Nadu; at isolated places over Uttarakhand, East Uttar Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh, Coastal Andhra Pradesh and Coastal Karnataka.
- The **highest maximum temperature of 40.0°C** recorded at **Titlagarh (Odisha), Kothagudem (Rayalaseema), Kurnool (Telangana) and Madurai (Tamil Nadu)** over the country.

Temperature Forecast:

- Maximum temperatures very likely to rise by 2-3°C over parts of Central India during next 3-4 days and over northwest & interior parts of peninsular India after 24 hours.
- No significant change in maximum and minimum temperatures likely over rest of the country during next 3 days.

5 Day Rainfall Forecast (Mid-day)

23rd March 2018

Met-Sub-Division	23-Mar Today	24Mar Sat	25Mar Sun	26Mar Mon	27Mar Tue
1. Andaman & Nicobar Islands	ISOL	SCT	SCT	ISOL	ISOL
2. Arunachal Pradesh	WS	SCT	ISOL	FWS	FWS
3. Assam & Meghalaya	FWS	ISOL	ISOL	SCT	SCT
4. N. M. M. & T.	SCT	ISOL	DRY	ISOL	SCT
5. S.H. West Bengal & Sikkim	SCT	ISOL	ISOL	ISOL	ISOL
6. Gangetic West Bengal	ISOL	ISOL	DRY	DRY	DRY
7. Odisha	ISOL	ISOL	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	DRY	DRY	DRY	DRY	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	DRY	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	DRY	ISOL	ISOL	DRY	DRY
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	ISOL	ISOL	DRY
24. Madhya Maharashtra	DRY	ISOL	ISOL	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	ISOL	DRY	DRY	DRY	DRY
29. Telangana	ISOL	DRY	DRY	DRY	DRY
30. Rayalaseema	ISOL	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	ISOL	DRY	DRY	ISOL	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	ISOL	ISOL	ISOL	ISOL	ISOL
36. Lakshadweep	DRY	DRY	ISOL	ISOL	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

- **23 March (Day 1):** Thunderstorm accompanied with squall very likely at isolated places over West Bengal, Assam & Meghalaya, Tripura, Mizoram and Odisha.
Thunderstorm accompanied with gusty winds very likely at isolated places over interior Tamil Nadu and Kerala.
- **24 March (Day 2):** No Weather Warning.
- **25 March (Day 3):** No Weather Warning.

- **26 March (Day 4):** Thunderstorm accompanied with gusty winds very likely at isolated places over south coastal Tamil Nadu and Assam & Meghalaya.
- **27 March (Day 5):** Thunderstorm accompanied with gusty winds very likely at isolated places over Assam & Meghalaya, Mizoram & Tripura.

Thunderstorm accompanied with squall/ gusty winds

Warning:

- Thunderstorm accompanied with squall very likely at isolated places over West Bengal, Assam & Meghalaya, Tripura, Mizoram and Odisha during next 24 hours.
- Thunderstorm accompanied with gusty winds very likely at isolated places over interior Tamil Nadu and Kerala during next 24 hours, over south coastal Tamil Nadu on 26th, over Assam & Meghalaya on 26th & 27th March and over Mizoram & Tripura on 27th March.

Advisory:

- In view of expected thunderstorm accompanied with squall / gusty winds 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 summer crops from different AMFUs in the country

- As rain/thundershowers would occur at most/many places over **Arunachal Pradesh** on 23rd, 26th and 27th, at many places over **Assam & Meghalaya** on 23rd March, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops.
- In **Arunachal Pradesh**, in view of realized and expected rainfall, avoid sowing of summer vegetables. Utilizing the realized and expected rainfall continue sowing of Ahu and Bau rice in Assam. Continue sowing of summer green gram in Gangetic West Bengal, Chhattisgarh and Punjab. Continue sowing of cowpea in Rajasthan and Gujarat.
- As dry weather would prevail undertake harvesting of matured wheat in Rajasthan and continue harvesting of wheat and gram in Nimar Valley Zone and Jhabua Hill Zone of Madhya Pradesh.
- In Hill Zone and Lower Brahmaputra Valley Zone of Assam, vaccinate cattle against FMD, HS and BQ diseases.

Sate-wise Advisories

Assam & Meghalaya, Arunachal Pradesh

- In Arunachal Pradesh, continue harvesting of cabbage, cauliflower, ginger, turmeric, potato, toria, mustard and pineapple after current spells of rain. Avoid sowing of summer vegetables. Carry out land preparation for Jhum rice.
- In Meghalaya, continue sowing of cucurbits like cucumber, pumpkin, bottle gourd, ash gourd, squash, etc. Continue nursery raising of chilli and brinjal crops.
- In Lower Brahmaputra Valley Zone of Assam, undertake land preparation for summer sesame. Avoid irrigation to Boro rice at active tillering stage as rainfall is expected during next 5 days.

Undertake sowing of okra and summer gourd vegetables. Continue 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. Continue planting of sugarcane.

- In the Hill Zone of Assam, continue sowing of okra and hybrid varieties such as Ganga 5, Hi starch and composite variety like NLD, Dhawal, Naviot, Diara etc. of maize. Continue 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.
- In the Barak Valley Zone, continue sowing of Ahu rice (direct seeded) as light rainfall is expected.
- In the North Bank Plain Zone, continue land preparation/sowing of Bau rice (varieties Maguri, Panikekua, Amona, Negheri etc.). Continue sowing of okra (varieties- Pusa Sawani, Arka Anamika, Parbhdani Kranti etc.). Undertake land preparation/sowing of direct seeded Ahu rice (varieties Banglami, Rangadoria, Ahu joha, Rasi etc.).
- In the Barak Valley Zone, to control the attack thrips in chilli crop, spray Rogor or Dimethoate @ 1.5 ml per litre of water on a non-rainy day.

Nagaland, Mizoram, Manipur and Tripura

- In Manipur, for broadcasting, seeds of pre-kharif rice should be sprouted before sowing. Undertake transplanting of rice. After 3-4 days of transplanting maintain 2-3 cm water level.
- In Manipur, in chilli and capsicum nursery, spray Carbendazim + Mancozeb (Sixer) @ 2 g per litre of water to control the fungal attack in clear weather.
- In Tripura, continue transplanting of seedlings of summer brinjal and tomato to the main field.

Jammu & Kashmir

- Continue sowing of cucurbit seeds in poly bags for early nursery raising inside polyhouses in Cold Arid Zone. Undertake training and pruning in orchards.
- In Sub Tropical Zone, continue transplanting of cucurbits, tomato, brinjal and chilli. Continue direct sowing of okra, bottle gourd, bitter gourd and pumpkin.
- Continue sowing of seeds of tomato, brinjal, chilli, capsicum, knol khol, kale in hot beds as well as in raised beds under open conditions in Valley Temperate Zone.

Uttarakhand

- In mid and high hills of Bhabar and Tarai Zone, continue nursery sowing of brinjal, tomato, capsicum and chilli. Continue sowing of barnyard millet and French bean. Undertake transplanting of brinjal, chilli and capsicum in valley.
- Continue sowing of French bean and okra in Hill Zone.

Himachal Pradesh

- In Sub-Montane and Low Hill SubTropical Zone, continue sowing of sunflower in lowland mid-hill areas. Continue sowing of green gram and black gram.
- Continue nursery sowing of vegetables like chilli, tomato, capsicum and sowing of bhindi, gourd etc. in Mid Hills Sub Humid Zone.

Punjab, Haryana & Delhi

- Apply irrigation in late sown wheat at dough stage in Western Zone of Punjab. Continue sowing of okra and cucurbits. Continue transplanting of chilli. Undertake harvesting of late sown mustard.
- In Western Plain Zone of Punjab, continue sowing of maize and planting of spring sugarcane. Continue transplanting chilli. Continue sowing of summer moong and mash.
- In Undulating Plain Zone of Punjab, continue planting of sugarcane. Continue transplanting of chilli

and tomato. Undertake transplanting of cucurbits. Continue sowing of summer mash and moong.

- In Western Zone of Haryana, undertake harvesting of late sown mustard. Continue sowing of green gram, black gram and planting of sugarcane.
- In Eastern Zone of Haryana, apply irrigation in wheat at milk stage. Continue planting of spring sugarcane.
- In Delhi, continue sowing of French bean, cluster bean, summer radish. Continue sowing of green gram and black gram.

Uttar Pradesh

- In Allahabad district of Central Plain Zone, continue harvesting of matured mustard. Continue sowing of green gram and black gram.
- Continue sowing of okra and cucurbits in Eastern Plain Zone. Complete harvesting of matured mustard and pea. Continue sowing of green gram and black gram.
- In Varanasi district of Central Plain Zone, continue planting of spring sugarcane. Continue sowing of okra. In Kanpur district, undertake sowing of green gram. Continue transplanting of vegetables like tomato and chilli. Complete sowing of maize and black gram.

Rajasthan

- Continue harvesting of matured mustard and cumin in Jodhpur district of Arid Western Plain Zone.
- In Sub Humid Southern Plain and Aravalli Hill Zone, continue sowing of guar and cowpea. Apply irrigation in summer groundnut at flowering stage.
- In Irrigated North Western Plain Zone, continue planting of sugarcane.
- In Bikaner district of Arid Western Plain Zone, in timely sown wheat apply irrigation at dough stage and in late sowing wheat at milk stage.
- In Semi Arid Eastern Plain Zone, undertake harvesting of wheat and barley.

Odisha

- In North Eastern Ghat Zone, undertake sowing of summer cowpea. In North Central Plateau Zone, complete transplanting of rice.
- In Northeastern Coastal Plain Zone, in rice maintain water depth upto the base of the crop followed by weeding when the crop is around 3-4 leaf stage. Undertake harvesting of late sown mustard and rapeseed.
- In West Central Table Land Zone, early sown summer sunflower is at 25 days. Undertake hoeing and weeding. Complete sowing of summer pulses. Maintain water depth upto the base of the rice crop followed by weeding when the crop is around 3-4 leaf stage.
- In Eastern Ghat High Land Zone, it is optimum time for sowing of summer cow pea. Select improved varieties of cowpea such as bush type- Pusa Phalguni, Pusa Komal and runner type- American long, and Banarasi long for sowing. Continue planting of sugarcane.

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 sowing of green gram and black gram. Undertake sowing of French bean, cluster bean and summer radish.
- In the Hill Zone, undertake planting of healthy rhizomes of ginger and turmeric. Ensure proper drainage in the field. Avoid irrigation to potato crop as rainfall is expected.

- In Terai Zone, keep 3-5 cm of water level in Boro paddy field. Provide mulching to cucurbit crops.
- In the Old Alluvial Zone, continue sowing of summer green gram in a land with good drainage facility. Carry out harvesting of lentil in clear weather.

Kerala

- In the Problem Area Zone, continue harvesting of matured nutmeg fruits. Continue preparation for planting of new cuttings of pepper. Provide shade to vegetables seedlings.
- In the Northern Zone, provide mulching in coconut basins. Harvest matured mangoes before ripening.
- In the Central Zone, carry out land preparation for ginger.
- In the Southern Zone, undertake land preparation/planting of ginger after the receipt of showers.

Tamil Nadu

- In the Cauvery Delta Zone, carry out harvesting of Thaladi paddy as dry weather is expected.
- In the Western Zone, utilizing expected rainfall, prepare irrigated fallow land for sowing cumbu during first week of April.
- In the Southern Zone, due to prevailing weather conditions, incidence of inflorescence midge occurs in mango. Remove and destroy affected flowers and tender shoots and spray Dimethoate 30 EC @ 6 g or Methyl Dimeton 25 EC @ 5 g per litre of water.

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. Undertake harvesting of matured cashew nuts and dry them in sun.
- In Madhya Maharashtra and Marathwada, apply irrigation to orchards and vegetable crops. The saplings/grafts of fruit crops below one year old should be protected from bright sunshine by making arrangement of shade. Also undertake mulching with dry leaves at the base of the plant to minimize evapotranspiration losses.
- In Marathwada, spray wettable Sulphur @ 2 g per liter of water and 1 % Potassium Nitrate in mango orchard.
- In Vidarbha, maintain 2-3 cm water level in transplanted rice fields in east Vidarbha. To control sucking pest in summer groundnut, spray Dimethoate 30 % @ 10 ml per 10 liter of water.

Animal Husbandry

- In Meghalaya, vaccinate poultry birds against coccidiosis and Ranikhet diseases. Vaccinate pigs against swine fever and cattle against Brucellosis, FMD, Hemorrhagic Septicemia, Black Quarter.
- In Madhya Pradesh, provide mineral mixture and fresh and clean water to birds. Vaccinate the poultry birds to prevent Ranikhet disease. Get all the animals vaccinated against foot and mouth disease (FMD).
- In the South Telangana Zone, vaccinate sheep against ET and cattle against FMD and Hemorrhagic Septicemia 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.

