

Advisory for DD Kisan dated 24.05.19

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

Significant Weather Features

- The Northern Limit of Monsoon (NLM) continues to pass through Lat. 5°N/Long. 81°E, Lat. 7°N/Long. 88°E, Car-Nicobar and Lat. 13°N/Long. 99°E. Conditions are favourable for further advance of Southwest Monsoon into some more parts of South Bay of Bengal, North Andaman Sea & Andaman Islands during next 48 hours.
- Fairly widespread to widespread rainfall with isolated heavy/very heavy falls are likely over Assam, Meghalaya and Tripura during next 48 hours. Under the influence of a Western Disturbance lying over northeast Afghanistan and adjoining Pakistan, fairly widespread to widespread precipitation likely over Western Himalayan region and isolated to scattered rain/thundershowers over adjoining plains during next 24 hours. Thunderstorm accompanied with gusty winds over Western Himalayan region and Duststorm/Thunderstorm accompanied with gusty winds over adjoining plains are also likely during the same period.
- Heat wave conditions in some parts to severe heat wave conditions in isolated pockets likely over Vidarbha during next 2-3 days. Heat wave conditions in some pockets over northeast Madhya Pradesh and in isolated pockets over East Uttar Pradesh, Madhya Maharashtra, Telangana, Marathwada, Chhattisgarh during next 4-5 days and over Jharkhand and Odisha from tomorrow.

Realised Weather

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

- Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at most places over Jammu & Kashmir, Himachal Pradesh, Punjab, Sub-Himalayan West Bengal, Arunachal Pradesh and Assam & Meghalaya; at many places over Nagaland, Manipur, Mizoram & Tripura and Andaman & Nicobar Islands; at a few places over Haryana, Chandigarh & Delhi, West Rajasthan, Interior Karnataka and Kerala and at isolated places over Uttarakhand, West Madhya Pradesh, Uttar Pradesh, Jharkhand, Odisha, Konkan & Goa and Tamilnadu & Puducherry.
- Extremely heavy rainfall observed at isolated places over Tripura.
- Thunderstorms observed (from 0530 hours to 0830 hours IST of today): at isolated places over Jammu & Kashmir, West Rajasthan, East Uttar Pradesh, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- Yesterday, heat Wave Conditions were observed in some part of Vidarbha and in isolated pockets over East Uttar Pradesh, East Madhya Pradesh, Marathwada and Madhya Maharashtra.
- **Maximum temperature departures as on 23-05-2019:** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Vidarbha, Madhya

Maharashtra and Kerala; at isolated places over East Madhya Pradesh and North Interior Karnataka.

- Yesterday, the **highest maximum temperature of 46.3°C** was recorded at **Bramhapuri** (Vidarbha) and **Adilabad** (Telangana).

Weather Forecast for next 5 days upto 0830 hours IST 28thMay 2019

- Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- Maximum temperatures are likely to remain above normal by 2-3°C over major parts of south peninsula during next 3 days. No significant change in maximum temperatures likely over northwest and central India during next 2 days.

Table 1

5 Day Rainfall Forecast (MID-DAY)

24-May-2019

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

% 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

Heat wave

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|----------------|---|
| 24 May (Day 1) | Heat Wave Conditions in many parts to severe heat wave conditions in isolated pockets over Vidarbha; in some parts over northeast Madhya Pradesh and in isolated pockets over Telangana, Madhya Maharashtra, Marathwada, Chhattisgarh and East Uttar Pradesh. |
| 25May (Day 2) | Heat Wave Conditions in many parts to severe heat wave conditions in isolated pockets over Vidarbha; in some parts over northeast Madhya Pradesh and in isolated pockets over Telangana, Madhya Maharashtra, Marathwada, Chhattisgarh, Odisha, Jharkhand and East Uttar Pradesh. |
| 26 May (Day 3) | Heat Wave Conditions in some parts over Vidarbha and northeast Madhya Pradesh and in isolated pockets over Telangana, Madhya Maharashtra, Marathwada, Chhattisgarh, Odisha, Jharkhand and East Uttar Pradesh. |
| 27 May (Day 4) | Heat Wave Conditions in some parts over Vidarbha and northeast Madhya Pradesh and in isolated pockets over Telangana, North Interior Karnataka, Coastal Andhra Pradesh, Madhya Maharashtra, Marathwada, Chhattisgarh, Odisha, Jharkhand and East Uttar Pradesh. |
| 28 May (Day 5) | Heat Wave Conditions in some parts likely over Vidarbha and northeast Madhya Pradesh and in isolated pockets over Telangana, North Interior Karnataka, Coastal Andhra Pradesh, Madhya Maharashtra, Marathwada, East Uttar Pradesh, Jharkhand, Chhattisgarh and Odisha. |

Advisory for Heat Wave

In above regions, apply light and frequent irrigation to the standing crops to cope up with the excess evaporative demand due to high temperature; undertakemulching with straw to conserve soil moisture. Provide shade for protection of young fruit plants from scorching sun

Thunderstorm/Duststorm accompanied with gusty winds, squall

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|----------------|--|
| 24 May (Day 1) | Thunderstorm & lightning accompanied with gusty winds (40-50 kmph) at isolated places very likely over South Interior Karnataka and Tamilnadu;with gusty winds (30-40 kmph) at isolated places over Kerala, North Interior Karnataka, Rayalseema, Telangana, Madhya Pradesh, Chhattisgarh, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, West Bengal & Sikkim, Odisha, Jharkhand, Bihar, Assam & Meghalaya and Nagaland, Manipur, Mizoram and with duststorm and gusty winds (30-40 kmph) at isolated places over Punjab, Uttar Pradesh, Rajasthan and Haryana, Chandigarh & Delhi. |
| 25May (Day 2) | Thunderstorm & lightning accompanied with gusty winds (40-50 kmph) at |

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|----------------|--|
| | isolated places very likely over South Interior Karnataka and Tamilnadu ;with gusty winds (30-40 kmph) at isolated places over Kerala, Rayalseema, Telangana, Sub- Himalayan West Bengal & Sikkim, Bihar, Assam & Meghalaya and Nagaland, Manipur, Mizoram. |
| 26 May (Day 3) | Thunderstorm & lightning accompanied with gusty winds (40-50 kmph) at isolated places very likely over South Interior Karnataka and Tamilnadu ;with gusty winds (30-40 kmph) at isolated places over Sub-Himalayan West Bengal & Sikkim and thunderstorm and lightning at isolated places over Odisha. Strong winds speed reaching 35-45 kmph likely over northeast Arabian Sea off north Gujarat Coast. Fishermen are advised not to venture into this area. |
| 27 May (Day 4) | Thunderstorm and lightning at isolated places likely over Odisha. Strong winds speed reaching 35-45 kmph likely over northeast Arabian Sea off north Gujarat Coast. Fishermen are advised not to venture into this area. |
| 28 May (Day 5) | Thunderstorm & lightning accompanied with gusty winds (30-40 kmph) at isolated places likely over Gangetic West Bengal, Odisha, Jharkhand and Bihar. Strong winds speed reaching 35-45 kmph likely over northeast Arabian Sea off north Gujarat Coast. Fishermen are advised not to venture into this area. |

Advisory for Thunderstorm and Squall

- In the above regions, provide mechanical support to young fruit plants, banana and staking in vegetables to prevent the crops from lodging due to strong winds. Undertake propping in sugarcane. Postpone application of plant protection measures and fertilizers to the standing crops during strong / squally / gusty winds.

Heavy rainfall

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|----------------|---|
| 24 May (Day 1) | Heavy to very heavy rain at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over South Interior Karnataka. |
| 25May (Day 2) | Heavy rainfall at isolated places very likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka. |
| 26 May (Day 3) | Heavy rainfall at isolated places very likely over north interior Tamilnadu and South Interior Karnataka. |
| 28 May (Day 5) | Heavy rainfall at isolated places likely over Andaman & Nicobar Islands and Sub-Himalayan West Bengal & Sikkim. |

State-wise Advisories

Jammu & Kashmir, Himachal Pradesh

- In Intermediate Zone and Valley Temperate Zone of Jammu & Kashmir, continue nursery sowing of rice.
- In Sub Tropical Zone, undertake land preparation for sowing of rice nursery.
- In Valley Temperate zone of Jammu & Kashmir continue harvesting of oilseeds and complete sowing of kharif pulses.
- In High Hill Temperate zone of Himachal Pradesh continue sowing of peas and potato.
- In Mid and high hill regions of Himachal Pradesh continue harvesting of wheat on clear days and continue land preparation for sowing of rice nurseries sowing of pulses under assured irrigation.

Assam, Arunachal Pradesh, Meghalaya, Mizoram and Nagaland,

- In Mizoram, Postpone preparation of lowland rice nursery in this week. Provide drainage around the field of crops/vegetables/fruit at the earliest possible. Stop normal agricultural operations like ploughing, sowing/transplanting, application of chemicals etc. at the time of rain occurrence. Staking and propping may be undertaken for frenchbean and cowpea. Mature crop and fruit should be harvest as early as possible.
- In Upper Bramhaputra Valley Zone, Central Bramhaputra Valley Zone and Barak Valley Zone of Assam, undertake nursery bed preparation of *Sali* rice.
- In Central Bramhaputra Valley Zone of Assam, undertake re-sowing of *Olitorius* varieties if already sown and emerged seedlings are washed away.
- In Meghalaya, continue sowing of French bean, Cowpea, Maize and ginger and turmeric.
- In Arunachal Pradesh continue transplanting of rice.
- In Nagaland, undertake transplanting of Naga king chili.

Haryana, Punjab and New Delhi

- In Haryana continue sowing of cotton and summer vegetables.
- In Western Zone of Punjab, undertake sowing of nursery rice.
- In Western plain zone of Punjab, continue sowing of cotton and planting of sugarcane and in Western zone continue sowing of BT cotton / Desi cotton.
- In Central Plain zone of Punjab continue nursery sowing of rice.
- In Delhi, continue sowing of cotton, field preparation for sowing of pigeonpea, for green manure, continue sowing of green gram, cluster bean, senai, gwaretc and continue sowing of fodder crops (gwar, maize, bajra) .

Madhya Pradesh and Chhattisgarh

- In Jhabua Hills Zone of Madhya Pradesh, continue harvesting of green gram, undertake land preparation/ sowing of ginger and turmeric.
- In Jhabua Hills continue harvesting of green gram
- In North Hill Zone of Chhattisgarh undertake field preparation of nursery sowing of long duration rice varieties.
- In Kymore Plateau and Satpura Hill Zone, complete sowing of moong and summer vegetables and sowing of watermelon, melon, cucumber etc.
- In Bastar Plateau Zone continue sowing of moong or urd under assured irrigation facilities. After harvesting sunflower undertake sowing sunhemp or deacha for green manure
- In Northern hill zone of Chhattisgarh, continue land preparation of nursery sowing of long duration rice. Continue harvesting of summer rice and groundnut.

Gujarat

- In North West Zone of Gujarat, continue land preparation for sowing of irrigated hybrid cotton and B.T.Cotton.
- Continue land preparation for nursery sowing of kharif rice in South Gujarat .

Rajasthan

- In Irrigated North Western Plain Zone continue sowing of BT cotton and Normal Cotton and nursery preparation of rice
- In Semi Arid Eastern Plain Zone undertake sowing of irrigated cotton, land preparation for sowing of Irrigated groundnut, and harvesting of onion.
- In Arid Western Plain Zone, undertake sowing of irrigated American cotton

Maharashtra

- In Konkan region continue nursery bed preparation for *kharif* rice
- In Madhya Maharashtra, undertake nursery bed preparation for kharif rice and complete harvesting of groundnut.
- In Marathwada, continue selection of land for kharif crops like cotton, pigeon pea, black gram and groundnut.
- In Vidarbha, continue harvesting of matured rice and groundnut. Apply mulching in orchards, provide shade for protection of young fruit plants from scorching sun.

Andhra Pradesh, Tamilnadu, Karnataka and Kerala

- In Cauvery Delta Zone in Tamilnadu undertake land preparation for nursery sowing of rice for kuruvai season.
- In Western Zone in Tamilnadu, undertake planting of turmeric crop.

- In Kerala undertake harvesting of late sown Puncta rice and continue land preparation for sowing of Virippu rice
- In central zone of Kerala, continue land preparation for sowing of Virippu rice
- In Problem Areas Zone of Kerala, undertake land preparation and nursery raising of rice, undertake harvesting of pepper.
- In Southern Transition Zone of Karnataka, undertake sowing of ginger and turmeric. In banana, to control Sigatoka Leaf spot, spray Carbendizim + Mancozeb (SAAF) @ 2.0 g / litre of water followed by (15 days after) Chlorothalanyl @ 2.0 g/ litre of water
- In Nellore district of South Coastal Andhra Pradesh, continue nursery sowing of rice.
- In Coastal zone of Karnataka continue harvesting of summer groundnut.
- In Southern Dry Zone of Karnataka continue land preparation for sowing of ragi.

Uttarakhand

- In Bhabar and Tarai Zone, continue field preparation for sowing of rice, continue planting of sugarcane and sowing of French bean, undertake transplanting of Capsicum, brinjal, tomato and Chilly

Odisha

- In North Eastern Coastal Plain Zone of Odisha, continue harvesting of summer pulses, complete sowing of jute.
- In Coastal Saline Zone continue sowing of green manuring crop like cluster bean, daincha etc after harvesting of boro paddy in order to fertilize the field and conserve moisture in soil.
- In Western Undulating Zone of Odisha undertake harvesting of summer rice and onion.

Bihar and Jharkhand

- In North West Alluvial Plain Zone of Bihar, continue harvesting of rabi maize, green gram and black gram, continue land preparation for sowing of Turmeric, ginger, kharif maize and rice.
- In South Bihar Alluvial zone of Bihar undertake land preparation for nursery rice, undertake harvesting of green gram and black gram.
- In South Eastern Plateau Zone of Jharkhand continue sowing of ginger/ turmeric/ Elephant foot Yam. Undertake sowing of fodder crops (cluster bean, maize and guar)
- In Western Plateau zone of Jharkhand continue sowing of ginger/ turmeric/ Elephant foot Yam. After sowing, undertake mulching in the field with straw / leaves etc. which not only reduces weeds but also conserve soil moisture

West Bengal

- In Coastal Saline Zone, undertake sowing of green manuring crop like cluster bean, daincha etc. after harvesting of boro paddy in order to fertilize the field and conserve moisture. maintain the water level in the field.