

Advisory for DD Kisan dated 18.06.19
(Agromet Advisories mentioned in the inputs are prepared by different
Agromet Field Units in the country)

Significant Weather Features

- Northern Limit of Monsoon (NLM) continues to pass through Lat. 13°N/Long. 60°E, Lat. 13°N/Long. 70°E, Mangaluru, Mysuru, Salem, Cuddalore, Lat. 14°N/Long. 86°E, Goalpara, Alipurduar, Gangtok and Lat. 28°N/Long. 88°E. Conditions are becoming favourable for further advance of Southwest Monsoon into some more parts of Central Arabian Sea, Karnataka, some parts of south Konkan & Goa, Andhra Pradesh, remaining parts of Tamilnadu, some more parts of West Bay of Bengal, remaining parts of northeast India, SubHimalayan West Bengal & Sikkim and some parts of Odisha in the next 3-4 days.
- Remnant of the Cyclonic Storm 'Vayu' now lies as a low pressure area over Kutch & adjoining areas over southwest Rajasthan & adjoining south Pakistan.
- Strong winds and rough sea in association with the Southwest Monsoon are continuing over southwest & adjoining westcentral Arabian Sea and along & off Gujarat and Maharashtra coasts. Also squally weather prevails over Andaman Sea & adjoining southeast Bay of Bengal.
- Heat Wave Conditions have abated from northwest India, owing to the moisture incursion from the Arabian Sea and resultant rainfall over the region. However, heat wave is likely to continue at isolated pockets over Bihar, Vidarbha, Telangana and south Tamilnadu for next 1-2 days.

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, Haryana, Chandigarh & Delhi, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Andaman & Nicobar Islands, Gujarat state, Konkan & Goa, Coastal Karnataka and Lakshadweep; at many places over West Uttar Pradesh and Chhattisgarh; at a few places over East Uttar Pradesh, Bihar, Assam & Meghalaya, Coastal Andhra Pradesh and Kerala; at isolated places over Rajasthan, Madhya Pradesh, Madhya Maharashtra, Marathwada, Vidarbha, Telangana, Rayalaseema, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu & Puducherry.
- **Heavy to Very Heavy Rainfall** observed at isolated places over Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim and heavy rainfall at isolated places over West Uttar Pradesh, Uttarakhand, and Punjab.
- **Thunderstorm observed (from 2030 hours IST of yesterday to 0830 hours IST of today):** at isolated places over Punjab, Haryana, Chandigarh & Delhi, Bihar, Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura and Saurashtra & Kutch.

- Yesterday, Heat Wave Conditions were observed at some places Bihar, Jharkhand and Vidarbha and in isolated places over Gangetic West Bengal.
- **Maximum temperature departures as on 17-06-2019:** Maximum temperatures were markedly above normal (5.1°C or more) at a few places over Bihar and at isolated places over Gangetic West Bengal, Jharkhand and Telangana.
- **Yesterday, the highest maximum temperature of 43.9°C** was recorded at **Fatehgarh** (East Uttar Pradesh).

Weather Forecast for next 5 days upto 0830 hours IST 23rd June 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 some parts of east India during next 2-3 days. No significant change in maximum temperatures likely over rest of the country during next 2 days and they are likely to fall gradually by 2-3°C thereafter.

Table 1

**5 Day Rainfall Forecast (MID-DAY)
18-June-2019**

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

% 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

Thunderstorm/Dust storm/Gail winds accompanied with lightning gusty winds, hail

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| 18June (Day 1) | Thunderstorm accompanied with hail, squall (50-60 kmph) & lightning at isolated places very likely over Uttarakhand; with hail, gusty wind (40-50 kmph) & lightning at isolated places over Himachal Pradesh; with gusty winds (40-50 kmph) & lightning at isolated places over Haryana, Chandigarh & Delhi, West Uttar Pradesh and south Rajasthan; with gusty winds (30-40 kmph) & lightning at isolated places over Jammu & Kashmir, Punjab, East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Odisha and Coastal Andhra Pradesh & Yanam; with lightning at isolated places over Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura |
| 19June (Day 2) | Thunderstorm accompanied with hail, squall (50-60 kmph) & lightning at isolated places very likely over Uttarakhand; with gusty winds (30-40 kmph) & lightning at isolated places over Jammu & Kashmir, Himachal Pradesh, West Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam and Telangana and with lightning at isolated places over Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya. |
| 20June (Day 3) | Thunderstorm accompanied with gusty winds (30-40 kmph) & lightning at isolated places very likely over Jammu & Kashmir, Uttarakhand, East Rajasthan, East Madhya Pradesh, Chhattisgarh, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Telangana and Rayalaseema and with lightning at isolated places over Bihar, Jharkhand and Odisha |
| 21June (Day 4) | Thunderstorm accompanied with gusty winds (30-40 kmph) at isolated places likely over Jammu & Kashmir, Gangetic West Bengal, Telangana and Rayalaseema and with lightning at isolated places over Bihar and Jharkhand |
| 22June (Day 5) | Thunderstorm & lightning accompanied with gusty winds (30-40 kmph) at isolated places likely over Gangetic West Bengal |
| Advisory for Thunder storm | 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, provide mechanical support to young fruit plants, banana 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 strong / squally / gusty winds. Use hail net to protect from hail. |

Heavy rainfall

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| 18June (Day 1) | Heavy to Very Heavy Rainfall at isolated places very likely over Sub-Himalayan West Bengal & Sikkim and Heavy rainfall at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Rajasthan, Andaman & Nicobar Islands, Gujarat state and Arunachal Pradesh |
| 19June (Day 2) | Heavy rainfall at isolated places very likely over West Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura and Konkan & Goa |
| 20June (Day 3) | Heavy rainfall at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, |

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|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Coastal & South Interior Karnataka and Kerala & Mahe |
| 21June (Day 4) | Heavy rainfall at isolated places likely over Chhattisgarh, Odisha, Assam & Meghalaya, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Coastal & South Interior Karnataka and Kerala & Mahe |
| 22June (Day 5) | Heavy to Very Heavy rainfall at isolated places likely over Coastal & South Interior Karnataka and Kerala & Mahe and heavy rainfall at isolated places over Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, North Interior Karnataka and Tamilnadu, Puducherry & Karaikal |
| Advisory for Heavy Rainfall | In Sub-Himalayan West Bengal & Sikkim, Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Rajasthan, Andaman & Nicobar Islands, Gujarat, West Uttar Pradesh, Nagaland, Manipur, Mizoram & Tripura and Konkan & Goa, Odisha, Assam & Meghalaya, Karnataka, Kerala & Mahe, Chhattisgarh, Coastal Andhra Pradesh & Yanam, Telangana and Arunachal Pradesh, postpone, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields in Assam, Meghalaya and Arunachal Pradesh, Konkan and Kerala. |

Heat wave

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| 18June (Day 1) | Heat Wave conditions in some parts very likely over Vidarbha and in isolated pockets over Bihar, Gangetic West Bengal, Telangana and Tamilnadu, Puducherry & Karaikal |
| 19June (Day 2) | Heat wave conditions in isolated pockets very likely over Vidharbha, Bihar, Gangetic West Bengal and Tamilnadu, Puducherry & Karaikal. |
| 20June (Day 3) | Heat wave conditions in isolated parts very likely over Tamilnadu, Puducherry & Karaikal |
| 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; undertake mulching with straw to conserve soil moisture. Provide shade for protection of young fruit plants from scorching sun |

State-wise Advisories

Jammu & Kashmir

- In Valley Temperate Zone, continue transplanting of rice, complete sowing of kharif pulses.
- In Sub Tropical Zone, undertake land preparation for transplanting of rice. Undertake sowing of maize. Undertake land preparation for sowing of rainy season sponge gourd & bitter gourd.
- In Intermediate Zone, undertake land preparation for transplanting of rice. Undertake sowing of maize after receipt of rainfall.

Assam, Meghalaya, Arunachal Pradesh, Mizoram, Meghalaya and Nagaland,

- In Assam continue nursery bed preparation /sowing of *Sali* rice.

- In Hill Zone of Assam, continue field preparation for sowing of pigeon pea and cotton. Continue planting of ginger.
- In Upper Brahmaputra Valley Zone of Assam, continue main field preparation for Sali rice cultivation, undertake planting of black pepper.
- In Central Brahmaputra Valley Zone of Assam, continue land preparation and sowing of arhar.
- In Manipur continue nursery to main field preparation for kharif rice.
- In Meghalaya, continue planting of ginger and turmeric and sowing of French bean and cowpea.
- In Mizoram continue sowing of maize, undertake sowing of green gram and black gram and planting of turmeric and ginger.
- In Arunachal Pradesh, continue transplanting of rice.

Uttarakhand

- In Bhabar and Tarai Zone, continue sowing of soybean, pigeon pea, maize, continue field preparation for nursery sowing of rice.
- In Sub-Humid Sub-Tropic Zone, continue nursery sowing of rice.

Punjab, Haryana and New Delhi

- In Western Zone of Punjab, continue nursery sowing of rice.
- In Punjab, complete sowing of summer moong, summer mash, cowpea and cucurbits.
- In Haryana, continue sowing of cotton,
- In Haryana and Punjab continue sowing of rice nurseries.
- In Delhi, undertake land preparation for sowing of maize, undertake sowing of fodder crops like sorghum. Continue preparation of nursery for early cauliflower, tomato, chilli, brinjal.

Uttar Pradesh

- In East Uttar Pradesh, undertake land preparation for rice nursery. Undertake planting of banana.

Madhya Pradesh and Chhattisgarh

- In Central Narmada Valley Zone of Madhya Pradesh continue nursery sowing of rice
- In Malwa Plateau Zone, of Madhya Pradesh undertake field preparation for sowing of pigeon pea and cotton. Undertake planting of ginger and turmeric.
- In North Hill Zone of Chhattisgarh, prepare nursery for sowing of long duration rice varieties and undertake land preparation for sowing of vegetables

Gujarat and Rajasthan

- In South Saurashtra Zone of Gujarat, Continue land preparation for sowing of Continue land preparation for sowing of groundnut, sesame, pulses and pearl millet crops.

- In South Gujarat continue land preparation for sowing of Pigeon pea, green gram and black gram and sowing should be done immediately after rainfall.
- In Flood Prone Eastern Plain Zone of Rajasthan, undertake field preparation for sowing of kharif crops

Odisha and West Bengal

Andhra Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Uttar Pradesh, West Bengal

- In Odisha, complete land preparation for sowing of non-paddy crops like pulses, oilseeds and kharif vegetables in upland so that sowing can be made immediately after the revealal of monsoon. Undertake sowing of maize, green manuring crops like Sesbania and sunhemp in the areas receiving convectional rain. Undertake planting of turmeric. Continue sowing kharif vegetables like okra and cucurbits

Bihar and Jharkhand

- In Bihar, continue land preparation for long duration rice, kharif maize and kharif onion crops. Continue planting of turmeric and yam.
- In South Bihar Alluvial Zone, continue land preparation/sowing of rice, kharif maize.
- In Jharkhand, continue land preparation for sowing of kharif crops and early vegetables (long gourd, round gourd, bitter guard, sponge gourd, ridge gourd, cucumber and cowpea). Continue planting of ginger and turmeric.

Maharashtra

- In Konkan region, continue nursery sowing of rice and nagli. Undertake sowing of kharif vegetables like chilli, brinjal, tomato, okra, cucumber, bitter gourd, snake gourd, ridge gourd, Snap melon etc..
- In Madhya Maharashtra, continue land preparation for kharif groundnut, undertake land preparation for sowing of green gram and soybean. Continue nursery bed preparation for rice and nagli.
- In Marathwada, continue land preparation for sowing of kharif crops like cotton, pigeon pea, black gram and groundnut.
- In West Vidarbha, Complete harvesting of groundnut. Keep the harvested produce in safer place.
- In East Vidarbha, continue nursery bed preparation for rice, continue land preparation for sowing of pigeon pea, cotton and soybean.

Tamilnadu and Kerala

- In Cauvery Delta Zone of Tamilnadu, continue nursery sowing of rice for kuruvai season.
- In North Western Zone of Tamilnadu, continue land preparation for sowing of groundnut.
- In Kerala, continue land preparation for transplanting of Virippu rice. Continue direct sowing of rice crop and planting of new seedlings of coconut and banana.
- In Northern Zone of Kerala, continue main field preparation for rice, continue transplanting of coconut seedlings.
- In Problem Areas Zone of Kerala, continue transplanting of rice.

Karnataka

- In Eastern Dry Zone, continue land preparation for sowing of kharif crops like maize, castor, groundnut, cowpea, redgram and black gram.
- In Southern Transition Zone, continue sowing of maize and redgram.
- In Southern Dry Zone undertake land preparation and strengthen the bund to facilitate conservation of rainwater due to monsoon showers.
- In South Interior Karnataka, continue land preparation for kharif sowing of pulses (cowpea, green gram, black gram, horse gram, field bean etc), rice, ragi, sunflower, maize, minor millets, sugarcane and vegetable crops and undertake sowing wherever sufficient soil moisture is available in the field.

Andhra Pradesh and Telangana

- In Southern zone of Andhra Pradesh, continue land preparation for early kharif rice nurseries.
- In Scarce rainfall Zone of Rayalaseema, procure the seed and keep the inputs ready to take up sowing only after receiving sufficient rainfall after onset of monsoon.
- In Southern Telangana, continue land preparation for timely sowing of rained crops.