

Advisory for DD Kisan dated 21.05.19

(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 2-3 days.
- The Western Disturbance as a trough in mid & upper tropospheric levels now seen as a cyclonic circulation over north Pakistan & adjoining Jammu & Kashmir with a trough aloft at 5.8 km above mean sea level roughly along Long. 72°E to the north of Lat. 32°N has moved away eastwards. Another western disturbance as a cyclonic circulation at 3.1 km above mean sea level lies over Iran and neighbourhood. It is likely to cause fairly widespread to widespread precipitation over Western Himalayan region and isolated to scattered rain/thundershowers over adjoining plains during 22nd to 23rd May. Thunderstorm accompanied with gusty wind over Western Himalayan region and Duststorm/Thunderstorm accompanied with gusty wind over adjoining plains are also likely during the same period.
- **Heat wave conditions** likely in isolated to some pockets over Vidarbha, Madhya Maharashtra, Marathwada, Telangana, Rayalaseema and Tamilnadu during next 3 days and in isolated pockets over parts of East, West and South India during next 48 hours.

Realised Weather

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

- **Rain/Thundershowers observed (from 0830 IST of yesterday to 0830 hours IST of today):** at many places over Andaman & Nicobar, Arunachal Pradesh, Assam & Meghalaya and Gangetic West Bengal and at isolated places over Jammu & Kashmir, Himachal Pradesh, Haryana, Chandigarh & Delhi, Chhattisgarh, North Interior Karnataka, Coastal Karnataka, Kerala, Telangana and Nagaland, Manipur, Mizoram & Tripura.
- **Thunderstorms observed (from 0830 hours IST of yesterday to 0830 hours IST of today):** at isolated places over Jammu & Kashmir, Himachal Pradesh, Assam & Meghalaya, West Bengal & Sikkim, Odisha, East Rajasthan, Rayalaseema, North Interior Karnataka and Kerala.
- **Yesterday, Heat Wave Conditions** were observed in some part of Madhya Maharashtra and in isolated pockets over Vidarbha and Telangana.
- **Maximum temperature departures as on 20-05-2019:** Maximum temperatures were markedly above normal (5.1°C or more) at a few places over Madhya Maharashtra; appreciably above normal (3.1°C to 5.0°C) at many places over North Interior Karnataka, Rayalaseema and

Jharkhand; at a few places over Telengana, Tamilnadu & Puducherry and Gangetic West Bengal and at isolated places over Vidarbha and East Madhya Pradesh.

- Yesterday, the **highest maximum temperature of 45.9°C** recorded at **Bramhapuri** (Vidarbha).

Weather Forecast for next 5 days upto 0830 hours IST 26th May 2019

- Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- No significant change in maximum temperatures likely over rest of the country during next 48 days.

Table 1

5 Day Rainfall Forecast (MID-DAY)
21-May-2019

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

21 May (Day 1)	Heat Wave Conditions in some parts very likely over Vidarbha and Madhya Maharashtra and in isolated pockets very likely over Gujarat region, Chhattisgarh, Odisha, Marathawada, Telangana, Rayalaseema and Tamilnadu & Puducherry.
22 May (Day 2)	Heat Wave Conditions in some parts very likely over Vidarbha and Madhya Maharashtra and in isolated pockets over Gujarat region, Chhattisgarh, Odisha, Marathawada, Telangana, Rayalaseema and Tamilnadu & Puducherry.
23 May (Day 3)	Heat Wave Conditions in some parts very likely over Madhya Maharashtra and in isolated pockets over Vidarbha, Marathawada, Telangana, Rayalaseema, North Interior Karnataka and Tamilnadu & Puducherry.
24 May (Day 4)	Heat Wave Conditions in isolated pockets likely over Vidarbha, Telangana and North Interior Karnataka.
25 May (Day 5)	Heat Wave Conditions in isolated pockets likely over Telangana and Vidarbha.

Advisory

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

Thunderstorm / Duststorm accompanied with gusty winds, squall

21 May (Day 1)	Thunderstorm & lightning accompanied with gusty winds (30-40 kmph) at isolated places very likely over Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Telengana, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh, Rayalaseema, South Interior Karnataka, Tamilnadu & Puducherry and Kerala. Duststorm/Thunderstorm accompanied with gusty winds (30-40 kmph) at isolated places very likely over Rajasthan.
22 May (Day 2)	Thunderstorm & lightning accompanied with squall (50-60 kmph) at isolated places very likely over Sub- Himalayan West Bengal & Sikkim; with gusty winds (30-40 kmph) at isolated places over Chhattisgarh, Gangetic West Bengal, Rayalaseema, South Interior Karnataka and Kerala. Duststorm/Thunderstorm accompanied with gusty winds (30-40 kmph) at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi and Rajasthan. Strong wind, speed reaching 40-50 kmph , very likely along & off Tamilnadu & Puducherry, Andhra Pradesh, West Bengal and Odisha coasts. Fishermen are advised not to venture into Sea over these areas.
23 May (Day 3)	Thunderstorm & lightning accompanied with squall (50-60 kmph) at isolated places very likely over Sub- Himalayan West Bengal & Sikkim, Assam

	<p>& Meghalaya and Nagaland ,Manipur, Mizoram & Tripura; with gusty winds (40-50 kmph) at isolated places over Jammu & Kashmir, Himachal Pradesh and Telengana; with gusty winds (30-40 kmph) at isolated places over Chhattisgarh, Gangetic West Bengal, South Interior Karnataka and Tamilnadu & Puducherry.</p> <p>Duststorm/Thunderstorm accompanied with gusty winds (30-40 kmph) at isolated places very likely over Utrakhand, Punjab, Rajasthan and Haryana, Chandigarh & Delhi.</p> <p>Strong wind, speed reaching 40-50 kmph likely along & off West Bengal and Odisha coasts, Andhra Pradesh and Tamilnadu. Fishermen are advised not to venture into Sea over these areas.</p>
24 May (Day 4)	<p>Thunderstorm & lightning accompanied with gusty winds (40-50 kmph) at isolated places likely over South Interior Karnataka; with gusty winds (30-40 kmph) at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, SubHimalayan West Bengal & Sikkim and Tamilnadu & Puducherry.</p> <p>Duststorm/Thunderstorm accompanied with gusty winds (30-40 kmph) at isolated places over Punjab ,Haryana, Chandigarh & Delhi and West Uttar Pradesh.</p> <p>Strong wind, speed reaching 40-50 kmph, very likely along & off West Bengal and Odisha coasts, Andhra Pradesh and Tamilnadu.</p> <p>Fishermen are advised not to venture into Sea over these areas.</p>
25 May (Day 5)	<p>Thunderstorm & lightning accompanied with gusty winds (40-50 kmph) at isolated places likely over South Interior Karnataka; with gusty winds (30-40 kmph) at isolated places over Sub-Himalayan West Bengal & Sikkim and Kerala.</p> <p>Strong wind, speed reaching 40-50 kmph, very likely along & off West Bengal and Odisha coasts, Andhra Pradesh and Tamilnadu.</p> <p>Fishermen are advised not to venture into Sea over these areas.</p>

Advisory

- 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

22 May (Day 2)	Heavy rain at isolated places very likely over Andaman & Nicobar Islands, Arunachal Pradesh and Assam & Meghalaya.
23 May (Day 3)	Heavy to very heavy rain at isolated places very likely over Assam & Meghalaya; heavy rain at isolated places over Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura and Arunachal Pradesh.

24 May (Day 4)	Heavy to very heavy rain at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; heavy rain at isolated places over Andaman & Nicobar Islands.
25 May (Day 5)	Heavy rain at isolated places likely over Andaman & Nicobar Islands, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

State-wise Advisories

Jammu & Kashmir, Himachal Pradesh

- In Valley Temperate zone of Jammu & Kashmir continue nursery sowing of rice , undertake 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 undertake land preparation for sowing of rice nurseries sowing of pulses under assured irrigation.

Assam , Arunachal Pradesh, Nagaland, Meghalaya

- In Lower Bramhaputra Valley Zone of Assam, undertake harvesting of Green gram and Black gram.
- In Meghalaya, undertake sowing of French bean, Cowpea, Maize and ginger and turmeric.
- In Arunachal Pradesh continue transplanting of rice.

Haryana, Punjab and New Delhi

- In Haryana continue sowing of cotton and summer vegetables.
- 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 Undulating plain zone of Punjab continue harvesting of wheat.
- In Central Plain zone of Punjab undertake nursery sowing of rice.
- In Delhi, undertake sowing of cotton, field preparation for sowing of pigeonpea, for green manure, undertake sowing of green gram, cluster bean, senai, gwar etc . and undertake sowing of fodder crops (gwar, maize, bajra, cluster bean) .

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 Malwa Plateau zone undertake sowing of green gram, cluster bean, senai, gwar, sorghum and maize for green manure
- In Jhabua Hills undertake harvesting of green gram
- 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, undertake land preparation of nursery sowing of long duration rice. Continue harvesting of summer rice and groundnut.

Gujarat

- In North West Zone of Gujarat, undertake 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 complete harvesting of groundnut. Continue nursery bed preparation for *kharif* rice
- In Madhya Maharashtra, continue harvesting of groundnut..
- In Marathwada, Undertake 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 South Telangana Zone of Andhra Pradesh, in Chillies to control Powdery Mildew, spray Wettable Sulphur @ 3 g or Dinocap @ 1 ml or Azoxystrobin @ 1 ml per liter of water. The prevailing dry weather conditions are congenial for incidence of sucking pests in vegetables, to control, spray Fipronil @ 2ml or Thiomethoxim @ 0.3g per 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 undertake land preparation for sowing of ragi.

Uttarakhand

- In Bhabar and Tarai Zone, undertake field preparation for sowing of rice, undertake planting of sugarcane and sowing of French bean, undertake transplanting of Capsicum, brinjal, tomato and Chilly
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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, undertake 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 continue harvesting of maize.
- 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
maintain the water level in the field.