

Advisory for DD Kisan dated 28.05.19

(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, Hut Bay and Lat. 14°N/Long. 98°E. Conditions are likely to become favourable for further advance of Southwest Monsoon into some more parts of South Bay of Bengal, Andaman Islands and north Andaman Sea during next 72 hours.
- Widespread rainfall with isolated heavy falls very likely over Andaman & Nicobar during next 5 days. Fairly widespread to widespread rainfall activity with isolated heavy falls very likely to occur over Sub-Himalayan West Bengal & Sikkim during next 2 days; over Assam & Meghalaya during 29th May to 01st June and over Nagaland, Manipur, Mizoram & Tripura during 31st May to 1st June.
- Heat wave conditions in many parts are very likely to continue over Vidarbha; in some parts over Madhya Pradesh and Chhattisgarh and at isolated pockets over Madhya Maharashtra, Marathawada, Telangana, Haryana, Chandigarh & Delhi, Rajasthan, Bihar, Jharkhand, Uttar Pradesh and Odisha during next 2-3 days.
- Dust raising winds are likely to prevail over south Haryana, Rajasthan and southwest Uttar Pradesh during next 3-4 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 Andaman & Nicobar Islands; at many places over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura; at a few places over Lakshadweep and at isolated places over Chhattisgarh, Odisha, Coastal Andhra Pradesh and North Interior Karnataka.
- **Thunderstorms observed (from 1730 hours IST of yesterday to 0830 hours IST of today):** at isolated places over Sub-Himalayan West Bengal & Sikkim, Chhattisgarh, Kerala and Andaman & Nicobar Islands.
- Yesterday, **Heat Wave Conditions** were observed in many parts of Vidarbha, in a few parts of Chhattisgarh and in isolated pockets over East Uttar Pradesh, East Madhya Pradesh, Madhya Maharashtra, Telangana, Marathwada and Tamilnadu & Puducherry.
- **Maximum temperature departures as on 27-05-2019:** Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Vidarbha and Marathawada; at many places over Telangana, Rayalaseema, Bihar, Jharkhand, Kerala and North Interior Karnataka.

- Yesterday, the **highest maximum temperature of 47.2°C** was recorded at **Ramgundam** (Telangana).

Weather Forecast for next 5 days upto 0830 hours IST 2nd June 2019

- Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- Maximum temperatures are very likely to rise gradually by 2-3°C over major parts of northwest India during 3-4 days. They are likely to remain above normal by 2-3°C over some parts of south peninsula during next 3 days. No significant change in maximum temperatures likely over rest of the country during next 2 days.

Table 1

5 Day Rainfall Forecast (MID-DAY) 28-May-2019

Met-Sub-Division	28-May Today	29May Wed	30May Thu	31May Fri	01Jun Sat
1. Andaman & Nicobar Islands	WS	WS	WS	WS	WS
2. Arunachal Pradesh	SCT	SCT	FWS	FWS	SCT
3. Assam & Meghalaya	FWS	FWS	WS	WS	FWS
4. N. M. M. & T.	SCT	SCT	SCT	FWS	FWS
5. S.H. West Bengal & Sikkim	WS	FWS	FWS	FWS	FWS
6. Gangetic West Bengal	ISOL	ISOL	ISOL	ISOL	SCT
7. Odisha	ISOL	SCT	ISOL	ISOL	ISOL
8. Jharkhand	DRY	ISOL	ISOL	ISOL	ISOL
9. Bihar	ISOL	ISOL	ISOL	SCT	SCT
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	DRY	DRY	DRY	DRY	ISOL
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	DRY	DRY	DRY	DRY	ISOL
16. Jammu & Kashmir	DRY	DRY	DRY	ISOL	SCT
17. West Rajasthan	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	DRY	ISOL	ISOL
24. Madhya Maharashtra	DRY	DRY	DRY	DRY	ISOL
25. Marathwada	DRY	DRY	DRY	DRY	ISOL
26. Vidharbha	DRY	DRY	DRY	DRY	ISOL
27. Chhattisgarh	ISOL	ISOL	ISOL	ISOL	ISOL
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puduchery	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
33. North Interior Karnataka	ISOL	DRY	DRY	ISOL	ISOL
34. South Interior Karnataka	SCT	SCT	SCT	FWS	FWS
35. Kerala	ISOL	ISOL	SCT	SCT	SCT
36. Lakshadweep	ISOL	ISOL	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

28 May (Day 1)	Heat Wave Conditions in many parts with severe heat wave in isolated pockets very likely over Vidarbha, Heat Wave Conditions in some parts with severe heat wave in isolated pockets very likely over Telangana; Heat wave conditions at some parts over Madhya Pradesh, Tamilnadu & Puducherry and Chhattisgarh and in isolated pockets very likely over Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Bihar, Jharkhand, Odisha, Gujarat state, Madhya Maharashtra, Marathwada and Rayalaseema.
29 May (Day 2)	Heat Wave Conditions in many parts with severe heat wave in isolated pockets very likely over Vidarbha, Heat wave conditions at some parts over Madhya Pradesh and Chhattisgarh and in isolated pockets very likely over Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Bihar, Jharkhand, Gujarat state, Madhya Maharashtra, Marathwada, Telangana, Tamilnadu & Puducherry and Rayalaseema.
30 May (Day 3)	Heat Wave Conditions in many parts with severe heat wave in isolated pockets very likely over Vidarbha, Heat wave conditions at some parts over Madhya Pradesh and Chhattisgarh and in isolated pockets very likely over Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Maharashtra, Marathwada, Telangana, Tamilnadu & Puducherry and Rayalaseema.
31 May (Day 4)	Heat Wave Conditions in some parts with severe heat wave in isolated pockets likely over West Rajasthan. Heat wave conditions in some parts over East Rajasthan and Vidarbha and in isolated pockets likely over Haryana, Chandigarh & Delhi, Madhya Pradesh, Chhattisgarh and Telangana.
01 June (Day 5)	Heat Wave Conditions in some parts with severe heat wave in isolated pockets very likely over West Rajasthan. Heat wave conditions in some parts over East Rajasthan and Vidarbha and in isolated pockets likely over Madhya Pradesh and Chhattisgarh.

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

Thunderstorm accompanied with gusty winds, squall

28 May (Day 1)	Thunderstorm & lightning accompanied with squall(winds reaching 50-60 kmph) very likely over Odisha; gusty winds (40-50 kmph) at isolated places very likely over Tamilnadu & Puducherry; gusty winds (30-40 kmph) at isolated places very likely over Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Coastal Andhra Pradesh, Telangana, Rayalaseema, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
29May (Day 2)	Thunderstorm & lightning accompanied with gusty winds (30-40 kmph) at

	isolated places very likely over Chhattisgarh, Bihar, Jharkhand, Odisha, West Bengal & Sikkim, Coastal Andhra Pradesh and Tamilnadu & Puducherry.
30 May (Day 3)	Thunderstorm & lightning accompanied with gusty winds (40-50 kmph) at isolated places very likely over Tamilnadu & Puducherry ; with gusty winds (30-40 kmph) at isolated places very likely over Chhattisgarh, Bihar, Odisha, Coastal Andhra Pradesh and Kerala.
31 May (Day 4)	Thunderstorm & lightning accompanied with gusty winds (40-50 kmph) at isolated places likely over Tamilnadu & Puducherry and South Interior Karnataka; with gusty winds (30-40 kmph) at isolated places likely over Chhattisgarh, Odisha and Kerala.
01 June (Day 5)	Thunderstorm & lightning accompanied with gusty winds (40-50 kmph) at isolated places very likely over South Interior Karnataka; with gusty winds (30-40 kmph) at isolated places very likely over Chhattisgarh, Odisha, Gangetic West Bengal and Tamilnadu & Puducherry.

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

28 May (Day 1)	Heavy rainfall at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar islands
29May (Day 2)	Heavy rainfall at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Andaman & Nicobar islands.
30 May (Day 3)	Heavy rainfall at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya and Andaman & Nicobar islands.
31 May (Day 4)	Heavy rainfall at isolated places likely over South Interior Karnataka, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya and Andaman & Nicobar islands.
01 June (Day 5)	Heavy rainfall at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, South Interior Karnataka, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya and Andaman & Nicobar islands.

Advisory for Heavy rainfall

- In above regions, postpone irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields. Keep harvested produce at safer places.

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, continue land preparation for sowing of rice nursery, undertake sowing of ginger.
- 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.

Assam, Arunachal Pradesh, Meghalaya, Mizoram and Nagaland,

- In North Bank Plain Zone Of Assam, undertake land preparation for sowing of Sali rice and undertake harvesting of boro rice.
- In Hill zone of Assam, undertake sowing of cotton.
- In Upper Bramhaputra Valley Zone, Central Bramhaputra Valley Zone and Barak Valley Zone of Assam, continue nursery bed preparation of *Sali* rice.
- In Nagaland, continue transplanting of Naga king chili.
- In Himachal Pradesh, undertake transplanting of nursery of summer vegetables like Tomato, Capsicum, Gourd, Chilli etc. in the well prepared fields. Undertake sowing of Bhindi, Arvi etc
- In Manipur, complete nursery sowing of kharif rice and undertake land preparation for transplanting of kharif rice.

Haryana, Punjab and New Delhi

- In Haryana continue sowing of cotton and summer vegetables.
- In Western Zone and Undulating Plain Zone of Punjab, undertake sowing of nursery rice.
- In Central Plain zone of Punjab continue nursery sowing of rice.
- In Delhi, continue sowing of cotton, field preparation for sowing of pigeonpea .

Madhya Pradesh and Chhattisgarh

- In Malwa Plateau Zone of Madhya Pradesh, for green manure undertake sowing of green gram, cluster bean, senai etc may be done during this week and undertake sowing of sorghum and maize for green fodder.
- In Jhabua Hills Zone of Madhya Pradesh, continue harvesting of green gram, undertake land preparation/ sowing of ginger and turmeric.
- In Bastar Plateau Zone undertake sowing sunhemp or deacha for green manure
- In Northern hill zone of Chhattisgarh, continue land preparation of nursery sowing of long duration rice.

Gujarat

- In North West Zone of Gujarat, continue land preparation for sowing of irrigated hybrid cotton and B.T.Cotton.
- In Middle Gujarat zone, undertake harvesting of summer bajra.
- In South Gujarat, to protect newly planted fruit crops from high temperature erect temporary sheds and provide irrigation.
- In North Saurashtra Zone, undertake harvesting of green gram, black gram, summer sesame and summer groundnut. Undertake land preparation for kharif groundnut and cotton.

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 nursery planting of kharif onion.
- In Sub Humid Southern Plain and Aravali Hill Zone, undertake field preparation for sowing of BT Cotton.

Maharashtra

- In Konkan region continue nursery bed preparation for *kharif* rice, Undertake sowing of *kharif* vegetables like okra, cucumber, bitter gourd, snake gourd, ridge gourd
- In Madhya Maharashtra, undertake nursery bed preparation for kharif rice Undertake harvesting of okra and cucurbitaceous vegetables.
- In Marathwada, Undertake land preparation 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.

Tamilnadu, Karnataka and Kerala

- In Cauvery Delta Zone in Tamilnadu continue land preparation for nursery sowing of rice for kuruvai season.
- In Southern zone of Tamilnadu, in rice to control Thrips spray Thiamethoxam 25% WG 100 g/ha
- In Kerala undertake land preparation/nursery sowing for sowing of rice
- In Southern Transition Zone of Karnataka, continue sowing of ginger and turmeric.

Uttarakhand and Uttar Pradesh

- In Bhabar and Tarai Zone of Uttarakhand, continue field preparation for sowing of rice, continue transplanting of Capsicum, brinjal, tomato and Chilly
- In Western Plain Zone of Uttar Pradesh, undertake land preparation for sowing for maize.

Bihar and Jharkhand

- 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 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 manure crop like cluster bean, daincha etc. after harvesting of boro rice in order to fertilize the field and conserve moisture.
- In New Alluvial Zone, undertake Sowing of Olitorius jute.
- In Terai Zone, undertake planting of ginger.