

Advisory for DD Kisan dated 07.06.19

(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. 7°N/Long. 60°E, Lat. 7°N/Long. 70°E, Katunayake (Lat. 7°N/Long. 80°E), Lat. 11°N/Long. 87°E, Lat. 13°N/Long. 89°E and Lat. 17°N/Long. 95°E.
- The east-west shear zone now runs roughly along Lat. 10°N between 3.1 & 3.6 km above mean sea level across extreme South peninsula. A feeble off shore trough has formed along the west coast and likely to persist there. In association with these favourable conditions, **Southwest Monsoon is very likely to set in over Kerala during next 24 hours.**
- A low pressure area is very likely to form over southeast and adjoining eastcentral Arabian Sea off Kerala-Karnataka coast around 9th June. It is likely to move north-northwestwards and intensify gradually.
- Conditions are likely to become favourable for advance of southwest monsoon into some parts of Northeastern states during next 48 hours.
- Heat wave to severe heat wave conditions very likely to prevail over Rajasthan, Madhya Pradesh and Vidarbha during next 4-5 days.
- Fairly widespread rainfall with isolated heavy to very heavy falls very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 4-5 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, North Interior Karnataka and Lakshadweep; at many places over Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram, Manipur & Tripura, Sub Himalayan West Bengal & Sikkim, Jammu & Kashmir Himachal Pradesh, Uttarakhand Chhattisgarh, Coastal Andhra Pradesh & Yanam and Kerala; at a few places over Uttar Pradesh, West Bengal & Sikkim, Konkan & Goa and South Interior Karnataka and at isolated places over Punjab, Haryana, Chandigarh & Delhi, Rajasthan, Odisha, Madhya Maharashtra, Marathwada, Vidarbha, Telangana and Rayalaseema.
- Heavy rainfall observed at isolated places over Kerala.

- **Thunderstorm observed (from 1730 hrs IST of yesterday to 0830 hours IST of today):** at many places over Jammu & Kashmir, Uttarakhand and Coastal Andhra Pradesh & Yanam; at a few places over Haryana, Chandigarh & Delhi, Himachal Pradesh, Marathwada and at isolated places over Uttar Pradesh, Punjab, Chhattisgarh, Odisha, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Interior Karnataka, Telangana, Rayalaseema and Kerala & Mahe.
- Yesterday, heat Wave Conditions were observed in most parts with Severe Heat Wave in isolated pockets over Madhya Pradesh and Vidarbha. Heat Wave Conditions were observed in many parts over West Rajasthan; in some parts over East Rajasthan and in isolated pockets over Marathwada, North Interior Karnataka, Chhattisgarh and Telangana.
- **Maximum temperature departures as on 06-06-2019:** Maximum temperatures were markedly above normal (5.1°C or more) at most places over Vidarbha and Madhya Pradesh; appreciably above normal (3.1°C to 5.0°C) at most places over North Interior Karnataka and Madhya Maharashtra; at many places over Uttarakhand, Haryana, Chandigarh & Delhi, Rajasthan, Telangana, Rayalseema and Coastal Karnataka; at a few places over Himachal Pradesh, Marathawada, Konkan & Goa and Kerala & Mahe and at isolated places over Punjab, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Tamilnadu, Puducherry & Karaikal, Odisha and Andaman & Nicobar Islands;
- **Yesterday, the highest maximum temperature of 48.1°C** was recorded at **Brahmapuri** (Vidarbha).

Weather Forecast for next 5 days upto 0830 hours IST 12th 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 south peninsula during next 3 days. No significant change in maximum temperatures likely over rest of the country during next 3 days and they are likely to rise gradually by 2-3°C thereafter.

Table-1
5 Day Rainfall Forecast (MID-DAY)
07-June-2019

Met-Sub-Division	07-Jun Today	08Jun Sat	09Jun Sun	10Jun Mon	11Jun Tue
1. Andaman & Nicobar Islands	WS	WS	WS	FWS	FWS
2. Arunachal Pradesh	FWS	FWS	FWS	SCT	SCT
3. Assam & Meghalaya	FWS	FWS	WS	WS	WS
4. N. M. M. & T.	FWS	WS	WS	WS	WS
5. S.H. West Bengal & Sikkim	FWS	FWS	FWS	FWS	FWS
6. Gangetic West Bengal	SCT	SCT	ISOL	ISOL	SCT
7. Odisha	SCT	SCT	ISOL	ISOL	ISOL
8. Jharkhand	ISOL	ISOL	ISOL	ISOL	ISOL
9. Bihar	ISOL	ISOL	ISOL	ISOL	ISOL
10. East Uttar Pradesh	DRY	DRY	DRY	ISOL	ISOL
11. West Uttar Pradesh	DRY	DRY	DRY	ISOL	ISOL
12. Uttarakhand	ISOL	DRY	DRY	ISOL	SCT
13. Haryana, Chd & Delhi	DRY	DRY	DRY	ISOL	ISOL
14. Punjab	DRY	DRY	DRY	ISOL	ISOL
15. Himachal Pradesh	ISOL	DRY	DRY	ISOL	SCT
16. Jammu & Kashmir	ISOL	ISOL	ISOL	FWS	WS
17. West Rajasthan	DRY	DRY	DRY	ISOL	ISOL
18. East Rajasthan	ISOL	DRY	DRY	ISOL	ISOL
19. West Madhya Pradesh	ISOL	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	ISOL	ISOL	SCT	SCT	SCT
24. Madhya Maharashtra	ISOL	ISOL	ISOL	ISOL	ISOL
25. Marathwada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	ISOL	ISOL	ISOL	ISOL	ISOL
27. Chhattisgarh	ISOL	ISOL	ISOL	ISOL	ISOL
28. Coastal A. P. & Yanam	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	SCT	SCT	ISOL	ISOL	ISOL
31. T.N., Puducherry & Karaikal	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	FWS	FWS	FWS	FWS	WS
33. North Interior Karnataka	FWS	ISOL	ISOL	ISOL	SCT
34. South Interior Karnataka	FWS	SCT	FWS	FWS	FWS
35. Kerala & Mahe	WS	WS	WS	WS	WS
36. Lakshadweep	WS	WS	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

Heat wave

7 June (Day 1)	Heat Wave conditions in many parts with severe heat wave in isolated pockets very likely over Madhya Pradesh and Vidarbha; in some parts with severe heat wave in isolated pockets very likely over Rajasthan. Heat Wave to severe heat wave conditions in isolated pockets over Uttar Pradesh and heat wave conditions in isolated pockets over Haryana, Chandigarh & Delhi, Chhattisgarh, north Gujarat, Saurashtra & Kutch, Rayalseema, Marathawada and Telangana.
8 June (Day 2)	Heat Wave conditions in many parts with severe heat wave in isolated pockets very likely over Madhya Pradesh and Vidarbha; in some parts with severe heat wave in isolated pockets very likely over Rajasthan. Heat Wave to severe heat wave conditions in isolated pockets over Uttar Pradesh and heat wave conditions in some parts over Haryana, Chandigarh & Delhi; in isolated pockets over Chhattisgarh, north Gujarat, Saurashtra & Kutch, Marathawada and Telangana.
9 June (Day 3)	Heat Wave conditions in many parts with severe heat wave in isolated pockets very likely over Madhya Pradesh, Rajasthan and Vidarbha; Heat Wave to severe heat wave conditions in isolated pockets over Uttar Pradesh; heat wave conditions in some parts over Haryana, Chandigarh & Delhi; in isolated pockets over Chhattisgarh and Telangana.
10 June (Day 4)	Heat Wave conditions in many parts with severe heat wave in isolated pockets very likely over Madhya Pradesh and Vidarbha; heat wave conditions in some parts with severe heat wave conditions at isolated pockets over Rajasthan and in isolated pockets over Haryana, Uttar Pradesh, Chhattisgarh and Telangana.
11 June (Day 5)	Heat Wave conditions in many parts with severe heat wave in isolated pockets very likely over Madhya Pradesh and Vidarbha; heat wave conditions to severe heat wave conditions at isolated pockets over Rajasthan and in isolated pockets over Haryana, Chhattisgarh and Telangana.

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/Dust storm accompanied with lightning gusty winds

7 June (Day 1)	<p>Thunderstorm accompanied with lighting and gusty winds (40-50 kmph) at isolated places very likely over Coastal and Interior Karnataka, Kerala & Mahe & Lakshadweep; with gusty winds (30-40 kmph) at isolated places over Vidarbha, Chhattisgarh, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Madhya Maharashtra, Marathwada, Telangana, Rayalseema & Coastal Andhra Pradesh and Thunderstorm accompanied with lighting at isolated places over Gangetic West Bengal and Odisha.</p> <p>Squally weather with winds, speed reaching 35-45 kmph, likely to prevail over southwest Arabian Sea off Somalia coast, Lakshadweep, Maldives area, southeast Arabian Sea, Gulf of Mannar, northwest Bay of Bengal off West Bengal & Odisha coasts. Fishermen are advised not to venture into these areas</p>
8 June (Day 2)	<p>Thunderstorm accompanied with lighting and gusty winds (40-50 kmph) at isolated places very likely over Coastal and North Interior Karnataka and Kerala & Mahe; with gusty winds (30-40 kmph) at isolated places over Vidarbha, Chhattisgarh, Nagaland, Manipur, Mizoram & Tripura, Assam & Meghalaya, Madhya Maharashtra, Telangana, Rayalseema, Coastal Andhra Pradesh & South Interior Karnataka and Thunderstorm accompanied with lighting at isolated places over Gangetic West Bengal and Odisha.</p> <p>Squally weather with winds, speed reaching 35-45 kmph, likely to prevail over southwest Arabian Sea off Somalia coast, Lakshadweep, Maldives area, south Arabian Sea, Gulf of Mannar, northwest Bay of Bengal off West Bengal & Odisha coasts. Fishermen are advised not to venture into these areas.</p>
9 June (Day 3)	<p>Thunderstorm accompanied with lighting and gusty winds (40-50 kmph) at isolated places over Tamilnadu; with gusty winds (30-40 kmph) at isolated places likely over Vidarbha, Chhattisgarh & South Interior Karnataka and Thunderstorm accompanied with lighting at isolated places over Sub-Himalayan West Bengal & Sikkim and Odisha.</p> <p>Squally weather with winds, speed reaching 35-45 kmph, likely to prevail over southwest Arabian Sea off Somalia coast, southeast & adjoining eastcentral Arabian Sea off Kerala, Karnataka coasts. Fishermen are advised not to venture into these areas.</p>
10 June (Day 4)	<p>Thunderstorm accompanied with lighting and gusty winds (40-50 kmph) at isolated places over Tamilnadu; with gusty winds (30-40 kmph) at isolated places likely over Jammu & Kashmir, Chhattisgarh and Jharkhand; with dust storm and gusty winds (30-40 Kmph) at isolated places likely over Haryana, Uttar Pradesh & Rajasthan and Thunderstorm accompanied with lighting at isolated places over Sub-Himalayan West Bengal & Sikkim and Jharkhand.</p> <p>Squally weather with winds, speed reaching 35-45 kmph, likely to prevail over southwest Arabian Sea off Somalia coast, southeast & adjoining eastcentral Arabian Sea off Kerala, Karnataka coasts. Fishermen are advised</p>

	not to venture into these areas.
11 June (Day 5)	<p>Thunderstorm accompanied with lighting and gusty winds (40-50 kmph) at isolated places over Tamilnadu; with gusty winds (30-40 kmph) at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Chhattisgarh, Gangetic West Bengal and Jharkhand; with dust storm and gusty winds (40-50 Kmph) at isolated places likely over Haryana and Punjab; dust storm and gusty winds (30-40 Kmph) over Uttar Pradesh and thunderstorm accompanied with lighting at isolated places over Jharkhand.</p> <p>Squally weather with winds, speed reaching 35-45 kmph, likely to prevail over southwest Arabian Sea off Somalia coast, southeast & adjoining eastcentral Arabian Sea off Kerala and Karnataka coasts. Fishermen are advised not to venture into these areas.</p>

Advisory for Thunderstorm

- 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.

Heavy rainfall

7 June (Day 1)	Heavy rainfall at isolated places likely over Assam & Meghalaya, Kerala, Lakshadweep, South Interior Karnataka, Rayalaseema, Coastal Odisha and Nagaland, Manipur, Mizoram & Tripura.
8 June (Day 2)	Heavy to very heavy rainfall at isolated places likely over Assam & Meghalaya and heavy rainfall at isolated places likely over Kerala, Lakshadweep, Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim, Coastal Odisha and Nagaland, Manipur, Mizoram & Tripura.
9 June (Day 3)	Heavy rainfall at a few places with very heavy rainfall at isolated places likely over Lakshadweep; heavy to very heavy rainfall at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe and Heavy rainfall at isolated places likely over Tamilnadu, Coastal & South Interior Karnataka, Andaman & Nicobar Islands and Sub-Himalayan West Bengal & Sikkim.
10 June (Day 4)	Heavy rainfall at a few places with very heavy rainfall at isolated places likely over Lakshadweep and Kerala and heavy rainfall at isolated places likely over Tamilnadu, Coastal & South Interior Karnataka, Assam & Meghalaya and

	Nagaland, Manipur, Mizoram & Tripura.
11 June (Day 5)	Heavy rainfall at a few places with very heavy rainfall at isolated places likely over Kerala and heavy rainfall at isolated places likely over Tamilnadu, Coastal & South Interior Karnataka, Assam & Meghalaya.

Advisory for Heavy rainfall

- In Assam & Meghalaya, Manipur, Nagaland, Mizoram, Tripura, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Kerala and Karnataka, 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 of Jammu & Kashmir, undertake nursery sowing of rice, undertake sowing of maize.
- In Sub Tropical Zone, undertake sowing of rice.
- In Mid Hills Sub Humid Zone of Himachal Pradesh, undertake sowing of bhindi and arvi.

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

- In Assam continue nursery bed preparation of *Sali* rice after current spells of heavy rain.
- In Hill Zone of Assam, continue land preparation and sowing of pigeon pea and cotton and planting of pineapple, banana, papaya etc. after current spells of heavy rain.
- In Upper Bramhaputra Valley Zone of Assam, undertake land preparation for summer bottle gourd.
- In Meghalaya, continue planting of Ginger and Turmeric and sowing of Cucurbits crops (Cucumber/Pumpkin /Bottle Gourd/ Ash Gourd/Squash).
- In Mizoram continue sowing of maize.
- In Nagaland, continue field preparation for TRC/WRC rice and transplanting for chilli.
- In Arunachal Pradesh, undertake transplanting of rice and sowing of summer vegetables.

Uttarakhand

- In Bhabar and Tarai Zone, undertake sowing of soybean. Undertake field preparation for nursery sowing of rice.
- In Sub-Humid Sub-Tropic Zone, undertake nursery sowing of rice.

Punjab, Haryana and New Delhi

- In Punjab, complete sowing of summer moong, summer mash, cowpea and cucurbits. Undertake transplanting of vegetables (tomato, chilli, brinjal, cauliflower). Complete sowing of cotton including Bt cotton or desi Cotton and planting of turmeric. Undertake field preparation for nursery sowing of rice.
- In Haryana, continue sowing of cotton,
- In Haryana and Punjab continue sowing of rice nurseries.
- In Delhi, undertake preparation of nursery of early cauliflower, tomato, chilli and brinjal.

Madhya Pradesh and Chhattisgarh

- In Chhattisgarh, continue land preparation for sowing of long duration rice . Due to prevailing hot and dry winds banana and papaya fruits are being damaged because of scorching heat. Cover the fruits by using leaves or Jute bags to protect the fruits from scorching heat.
- In Malwa Plateau Zone of Madhya Pradesh, undertake field preparation for sowing of pigeon pea and cotton.

Gujarat

- In South Gujarat, continue nursery sowing of rice. Undertake planting of bell pepper, Elephant Foot Yam and Greater Yam.
- In Middle Gujarat, complete harvesting of bajra, sorghum and green gram crops. Undertake land preparation for B.T.Cotton, groundnut and nursery sowing of rice.
- In North Gujarat, undertake harvesting of matured groundnut, pearl millet. Continue land preparation for sowing of irrigated hybrid cotton and B.T. cotton crop.

Rajasthan

- In Arid Plain zone, continue land preparation for sowing of groundnut, for green fodder jowar/bajra mixed with guar.
- In Semi Arid Eastern Plain Zone continue sowing of irrigated cotton, land preparation for sowing of irrigated groundnut, and nursery planting of kharif onion.

Odisha and West Bengal

- In Odisha, undertake land preparation for direct sowing of kharif crops. Undertake planting of yam, complete planting of turmeric & Ginger by 1st week of June.
- In New Alluvial Zone of West Bengal, continue sowing of jute. Continue sowing of green manure crops.
- In Old Alluvial Zone of West Bengal, undertake field preparation for Aman rice, undertake transplanting of ginger and turmeric.

Bihar and Jharkhand

- In Bihar, Undertake land preparation for long duration rice, kharif maize and kharif onion crops. Continue planting of turmeric and yam.

- In Jharkhand, complete harvesting/threshing of rice in clear weather. 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 undertake nursery sowing of rice and nagli. Complete land preparation for sowing of groundnut. Undertake nursery sowing kharif rice with assured irrigation facilities.
- In Madhya Maharashtra, continue land preparation for groundnut.
- In Marathwada, undertake land preparation for sowing of kharif crops like cotton, pigeon pea, black gram and groundnut.
- In Vidarbha, continue harvesting of groundnut.
- In East Vidarbha , Undertake nursery bed preparation for rice. Apply mulching in orchards, undertake land preparation for sowing of pigeon pea.

Tamilnadu and Kerala

- In Cauvery Delta Zone in Tamilnadu, continue land preparation for nursery sowing of rice for kuruvai season.
- In Kerala, undertake land preparation for transplanting of Virippu rice. Undertake direct sowing of rice crop and planting of new seedlings of coconut and banana after current spells of heavy rain.
- In Northern Zone of Kerala, provide adequate drainage in vegetable, ginger, turmeric fields.

Karnataka

- 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.
- In Coastal Karnataka, as there is forecast of rain, undertake sowing of drill sown rice crop.
- In North Interior Karnataka, undertake land preparation for sowing of kharif crops.Undertake sowing of green gram, soybean, groundnut and maize with irrigation facility.

Andhra Pradesh and Telangana

- In Southern zone of Andhra Pradesh, undertake land preparation for early kharif rice nurseries.
- In North Coastal Andhra Pradesh, continue sowing of sesame by utilizing the realized rainfall.
- In Southern Telangana, undertake land preparation for timely sowing of rained crops.