

Advisory for DDKisan dated 06.08.19
(Agromet Advisories mentioned in the inputs are prepared by different
Agromet Field Units in the country)

Significant Weather Features

- A Depression has formed over Bay of Bengal and lay centred at 0830 hours IST of today, the 6th August, 2019, over north- west Bay of Bengal off north Odisha-West Bengal coasts near Lat 20.5°N & Long 88.0°E, above 160 km southeast of Balasore (Odisha) and about 130 km south-southeast of Digha (West Bengal).It is very likely to intensify into a Deep Depression during next 24 hours. It is likely to move west-northwestwards across Odisha-West Bengal coasts during next 48 hours.
- Fairly widespread to widespread rainfall with isolated heavy to very heavy falls are very likely over Odisha, south Chhattisgarh, Gangetic West Bengal, Jharkhand, Vidarbha and northern parts of Andhra Pradesh & Telangana during next 2 days; over Madhya Pradesh during next 3-4 days; over Madhya Maharashtra, south Konkan & Goa, Kerala and Karnataka during next 4-5 days and over Gujarat on 9th and 10th August.
- Isolated extremely heavy falls are also likely over south Odisha & south Chhattisgarh on 6th & 7th August; ghats area of Madhya Maharashtra, Konkan & Goa and Coastal & South Interior Karnataka during next 3-4 days; south Madhya Pradesh on 7th & 8th, over Kerala and East Rajasthan on 8th and over Gujarat on 8th & 9th August.

Realised Weather

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

- **Rain/Thundershowers observed (from 0830 hrs IST of yesterday to 0830 hours IST of today): at most places** over West Uttar Pradesh, Jharkhand, Gangetic West Bengal, Odisha, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana, Karnataka, Kerala & Mahe, Madhya Maharashtra, Andaman & Nicobar Islands and Konkan & Goa; **at many places** over Uttarakhand, Haryana, Chandigarh & Delhi, East Uttar Pradesh, East Rajasthan and Madhya Pradesh; **at a few places** over Nagaland, Manipur, Mizoram & Tripura, Vidarbha, Chhattisgarh, Rayalseema, Tamilnadu, Puducherry & Karaikal and Lakshadweep and **at isolated places** over Himachal Pradesh, Punjab, Bihar, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, West Rajasthan and Gujarat.
- **Heavy to Very Heavy with Extremely Heavy Rainfall** observed at isolated places over Madhya Maharashtra; **Heavy to Very Heavy Rainfall** at isolated places over Konkan & Goa, Kerala & Mahe, North Interior & Coastal Karnataka and Tamilnadu, Puducherry & Karaikal and **Heavy Rainfall** at isolated places over East Rajasthan, East Uttar Pradesh, East Madhya Pradesh and Odisha.
- **Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today):** at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Punjab, Rajasthan, Uttar Pradesh, Madhya Pradesh, Jharkhand, Odisha, Gangetic West Bengal, Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Tamilnadu, Puduchery & Karaikal, Konkan & Goa and Kerala & Mahe.

Weather Forecast for next 5 days upto 0830 hours IST 11th August 2019

- Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- No significant change in maximum temperatures likely over major parts of the country during next 2-3 days.

Table -1
5 Day Rainfall Forecast (MID-DAY)
06-August-2019

Met-Sub-Division	06-Aug Tue	07-Aug Wed	08-Aug Thu	09-Aug Fri	10-Aug Sat
1. Andaman & Nicobar Islands	FWS	WS	WS	WS	WS
2. Arunachal Pradesh	ISOL	ISOL	SCT	SCT	SCT
3. Assam & Meghalaya	SCT	FWS	SCT	FWS	FWS
4. N. M. M. & T.	SCT	SCT	SCT	SCT	SCT
5. S.H. West Bengal & Sikkim	SCT	SCT	FWS	FWS	FWS
6. Gangetic West Bengal	WS	WS	FWS	FWS	FWS
7. Odisha	WS	WS	FWS	SCT	SCT
8. Jharkhand	WS	WS	FWS	SCT	FWS
9. Bihar	SCT	SCT	SCT	SCT	SCT
10. East Uttar Pradesh	FWS	SCT	SCT	SCT	SCT
11. West Uttar Pradesh	WS	FWS	SCT	ISOL	ISOL
12. Uttarakhand	WS	WS	FWS	WS	WS
13. Haryana, Chd & Delhi	WS	FWS	SCT	ISOL	ISOL
14. Punjab	WS	FWS	SCT	ISOL	ISOL
15. Himachal Pradesh	WS	FWS	SCT	FWS	FWS
16. Jammu & Kashmir	FWS	SCT	SCT	SCT	SCT
17. West Rajasthan	ISOL	SCT	SCT	SCT	ISOL
18. East Rajasthan	FWS	WS	WS	FWS	SCT
19. West Madhya Pradesh	WS	WS	WS	WS	FWS
20. East Madhya Pradesh	WS	WS	WS	FWS	SCT
21. Gujarat Region	SCT	SCT	WS	WS	WS
22. Saurashtra & Kutch	ISOL	ISOL	FWS	WS	WS
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	WS	WS	WS	WS	FWS
25. Marathwada	WS	FWS	SCT	SCT	SCT
26. Vidharbha	WS	WS	FWS	SCT	SCT
27. Chhattisgarh	WS	WS	FWS	FWS	SCT
28. Coastal A. P. & Yanam	WS	FWS	SCT	SCT	SCT
29. Telangana	WS	WS	SCT	SCT	SCT
30. Rayalaseema	SCT	ISOL	ISOL	ISOL	ISOL
31. T.N., Puducherry & Karikal	SCT	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	WS	WS	FWS	FWS	SCT
34. South Interior Karnataka	WS	WS	WS	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

Heavy rainfall

06 Aug (Day 1)	Heavy to very heavy rainfall at a few places with extremely heavy falls at isolated places very likely over Konkan & Goa, South Interior & Coastal Karnataka and Odisha; Heavy to very heavy rainfall with extremely heavy falls at isolated places over Chhattisgarh and Madhya Maharashtra; Heavy to Very Heavy Rainfalls at isolated places over Uttarakhand, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Madhya Pradesh, Jharkhand, Gangetic West Bengal, Gujarat region, Coastal Andhra Pradesh & Yanam, Telangana, North Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe and Heavy rainfall at isolated places over Jammu & Kashmir, Himachal Pradesh, Punjab, East Uttar Pradesh and Rajasthan.
07 Aug (Day 2)	Heavy to very heavy rainfall at a few places with extremely heavy falls very likely at isolated places over Konkan & Goa, South Interior & Coastal Karnataka and Odisha; Heavy to very heavy rainfall with extremely heavy falls at isolated places over Chhattisgarh, East Madhya Pradesh and Madhya Maharashtra; Heavy rainfall at a few places with very heavy falls at isolated places over East Rajasthan; Heavy to very heavy rainfall at isolated places over West Madhya Pradesh, Vidarbha, Telangana, North Interior Karnataka, Kerala and Tamilnadu and Heavy rainfall at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, West Rajasthan, Jharkhand, Gangetic West Bengal, Gujarat region, Coastal Andhra Pradesh and Lakshadweep
08 Aug (Day 3)	Heavy to very heavy rainfall a few places over with extremely heavy falls very likely at isolated places over East Rajasthan, Konkan & Goa and South Interior & Coastal Karnataka; Heavy to very heavy rainfall with extremely heavy falls at isolated places over West Madhya Pradesh, Gujarat region, Madhya Maharashtra and Kerala; Heavy to very heavy rainfall at isolated places over East Madhya Pradesh and heavy rainfall at isolated places over West Rajasthan, Chhattisgarh, Odisha, Andaman & Nicobar Islands, Saurashtra & Kutch, North Interior Karnataka and Lakshadweep
09 Aug (Day 4)	Heavy to very heavy rainfall with extremely heavy falls at isolated places over Gujarat and Madhya Maharashtra; Heavy rainfall at a few places with very heavy falls at isolated places over Coastal Karnataka; Heavy to very heavy rainfall at isolated places over East Rajasthan, West Madhya Pradesh, Konkan & Goa, South Interior Karnataka and Kerala and Heavy rainfall at isolated places over West Rajasthan and Andaman & Nicobar Islands
10 Aug (Day 5)	Heavy to very heavy rainfall at isolated places over Gujarat, Andaman & Nicobar Islands, Madhya Maharashtra and Konkan & Goa and Heavy rainfall at isolated places over Rajasthan, Kerala and South Interior & Coastal Karnataka
Advisory for Heavy rainfall	Postpone intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields maize, soyabean, pulses, groundnut, seasmme, millets and vegetables. Provide mechanical support to banana, young fruit plants and staking in vegetables to prevent the crops from lodging due to heavy rain.

Thunderstorm accompanied with Lightning

06 Aug (Day 1)	Thunderstorm accompanied with Lightning at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura
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Rough to very rough sea conditions

06 Aug (Day 1)	Strong winds , speed reaching 40-50 kmph, are likely to prevail over entire Arabian Sea and West Coast and central & north Bay of Bengal, West Bengal, Odisha and Andhra Pradesh coasts. Fishermen are advised not to venture into these areas.
07 Aug (Day 2)	Strong winds , speed reaching 40-50 kmph, are likely to prevail over entire Arabian Sea and West Coast and central & north Bay of Bengal, West Bengal and Odisha coasts. Fishermen are advised not to venture into these areas
08 Aug (Day 3)	Strong winds , speed reaching 40-50 kmph, are likely to prevail over entire Arabian Sea and West Coast. Fishermen are advised not to venture into these areas
09 Aug (Day 4)	Strong winds , speed reaching 40-50 kmph, are likely to prevail over entire Arabian Sea and West Coast and southeast Bay of Bengal and Andaman sea. Fishermen are advised not to venture into these areas
10 Aug (Day 5)	Strong winds , speed reaching 40-50 kmph, are likely to prevail over entire Arabian Sea and West Coast and southeast Bay of Bengal and Andaman sea. Fishermen are advised not to venture into these areas

State-wise Advisories

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

- In Assam undertake nursery raising of short duration (90-100 days) varieties for areas where the rice crop was totally damaged due to flood. The tender seedlings of these varieties can be transplanted in the main field during 1st week of September. Insert around 7-8 numbers of bamboo 'T' perches in per bigha transplanted paddy field, which will act as a resting place for predatory birds that will devour insect larvae and egg masses. In case of excess water in the very low land situation, drain out excess water for good aeration which will reduce the incidence of pest and disease.
- In Barak valley Zone of Assam, if standing Sali rice have been affected by the flood water, farmers are advised to go for of early pulse crop varieties like black gram and green gram in the same field.
- In Lower Brahmaputra Valley Zone of Assam, complete transplanting of rice seedlings. Complete sowing of sesame upto mid of August. Undertake land preparation for sowing of finger millet
- In North Bank Plain Zone of Assam undertake land preparation / sowing of kharif Sesame and Pulses (green gram and black gram).
- In Hill Zone of Assam, Early and timely sown jute may be harvested during this week and kept in the field in standing position for 3-4 days before retting for proper defoliation.

- In Meghalaya, puddling & levelling of rice field should be done for uniform retention of water in the field before transplanting of Sali rice in lowland areas. Maintain proper drainage to prevent water logging in maize. Put stakes in maize fields to straighten lodged plants. Undertake harvesting of green cobs.
- In Manipur Continue sowing of groundnut, black gram, rice bean and millet.
- In Nagaland weeds and eradication of alternate hosts from rice fields and surrounding areas can help prevent the multiplication of the Gundhi bug in Jhum paddy.
- In Tripura, farmers who could not sow aman rice due to deficient rainfall, undertake either direct sowing or short duration variety.

Punjab, Haryana, New Delhi

- In Punjab, complete transplanting of basmati rice Avoid waterlogging in maize crop fields as this crop is highly sensitive to standing water and promotes bacterial stalk rot.
- In Western Haryana, Due to prevailing high moisture keep vigil on root weevil in rice crop and if infestation occurs than the apply 10 kg Karberil 4 G/Sevidal 4 G per acre during clear weather.
- In Delhi as light to moderate rainfall is expected during next five days, provide proper drainage in all vegetables, pulse, maize and nurseries of the crops. Keeping in view of rainfall, farmers are advised to conserve rain water in the paddy fields by making broad and elevated bunds.

Odisha, Bihar and West Bengal

- In Western Undulating Zone of Odisha, Provide straw mulching over the recently sown nursery bed of rice at germination stage to protect from rain. Make adequate drainage arrangement from the upland crop field of rice.
- East and South Eastern Coastal Plain of Odisha undertake transplanting of rice. Drain out excess water from the pulses fields.
- In North Central Plateau zone undertake sowing of Arhar, Green Gram, Black Gram & Cowpea.
- In South Bihar, drain out excess water or make trench around the kharif maize field. Continue transplanting of short, medium duration and scented rice variety which is 20-22 days old seedlings with spacing of 15 x 15 cm.
- In North Bihar Complete the transplanting of paddy. Complete the sowing of Pigeon pea in upland areas.
- In Gangetic West Bengal, undertake transplanting of rice.
- In Sub Himalayan West Bengal Spray with Hexaconazole @ 1ml/lit in the seed bed, before transplanting of rice to control Brown spot.

Madhya Pradesh

- In Kymore Plateau install light Trap / Insect-specific Pheromone Trap in order to assess the likely infestation of insects and for integrated pest management in soyabean fields.
- In Kymore Plateau & Satpura Hills undertake field preparation for sowing of soyabean. Drain out excess water from Arhar, Moong / Urd
- In Central Narmada Valley Zone, continue transplanting of rice. Before transplanting strengthen the bunds of paddy fields so that more water can be stored in the fields.
- In Satpura plateau zone if germination of maize has been low undertake sowing of short duration crops like such as urd, mung and cowpea etc.

Chhattisgarh

- In Bastar Plateau zone, complete the transplanting of rice.
- **Rajasthan**
- In Arid Western Plain Zone and Irrigated North Western Plain Zone, continue sowing of bajra under sufficient soil moisture conditions.
- In Transitional Plain Zone of Inland Drainage continue sowing of guar, moong, cowpea, moth and til.
- In Flood Prone Eastern Plain zone carry out weeding and maintain plant population by thinning in timely sown crop like Sorghum, pearl millet, sesame and groundnut on clear days.

Uttar Pradesh and Uttarakhand

- In East Uttar Pradesh complete transplanting of rice in the main field.
- In Central Plain zone of Uttar Pradesh undertake sowing of bajra, urad and mung.
- In Western Plain zone of Uttar Pradesh continue transplanting of rice, sowing of maize, sorghum and bajra. If paddy nurseries are damaged due to prevailing high temperatures undertake sowing of direct sowing of germinated seeds of short duration varieties of paddy.
- In Humid and Sub Humid Tropics of Uttarakhand complete the transplanting of paddy upto the end of this month, Drain out excess water from sugarcane crop.

Maharashtra

- In Konkan region, drain out excess water from already sown groundnut field.
- In Madhya Maharashtra, Undertake planting of adsali sugarcane (varieties Co.86032 (Nira) and Co.M.0265(Phule 265)) upto 15th August. Continue sowing of 5 lines or 20% non-Bt cotton around Bt cotton so as to maintain resistance in Bt cotton against bollworm
- In Marathwada, in areas where sowing was not completed (Aurangabad district : Khultabad, Latur district : Ahmadpur, Chakur, Devni, Shirur Anantpal), sowing can be done after receipt of sufficient rainfall (75 mm and above). Undertake sowing of contingency crops like hybrid Pearl millet, sunflower, castor, sesamum, castor + coriander (1:1) for sowing.
- In West Vidarbha, To control early stage/initial incidence of leaf eating caterpillar in soybean, spray Azadiractin 300 ppm @ 50 ml per 10 litres of water after current spell of rains. To manage the initial incidence of pink boll worm in earlier sown cotton at flowering stage, undertake spray of 5% NSKE or Azadiractin 1500 ppm @ 25 ml per 10 litres of water after current spell of rains.
- In East Vidarbha Drain out excess water from rice, turmeric, vegetables wherever necessary.

Andhra Pradesh and Telangana

- In North Coastal Andhra Pradesh, Farmers who are willing to sow paddy nurseries by utilizing the ensuing rainfall, they should prefer medium duration varieties instead of long duration varieties or they can go for direct seeding.
- In Scarce rainfall Zone of Rayalaseema, undertake sowing of contingency crops redgram, castor, bajra, foxtail millet after receiving sufficient rainfall.
- In Krishna Godavari Zone of Andhra Pradesh, Pendimethalin 30% @ 1.3-1.6 lit/ac or alachlor 50% @ 1.5-2.0 lit/ac can be applied as a pre emergence herbicides immediately after sowing or a day after sowing in cotton and redgram.
- In Southern zone of Andhra Pradesh Farmers who has not taken up groundnut sowings in the month of July are advised to sow alternate crops like bajra, redgram, castor, cowpea, field bean, fodder jowar, horse gram after receipt of sufficient rains.

- In Southern Telangana zone, undertake sowing of Castor and Redgram at closer spacing. Drain out excess water from the fields of rainfed crops. Complete the sowing of paddy nurseries of Telangana Sona (RNR 15048) and other short duration rice varieties
- In Northern Telangana drain out excess water in standing crops. Complete the sowing of paddy nursery with short duration rice varieties.