

Advisory for DDKisan dated 13.08.19
(Agromet Advisories mentioned in the inputs are prepared by different
Agromet Field Units in the country)

Significant Weather Features

- The Low Pressure Area over northwest Bay of Bengal and adjoining West Bengal & north Odisha coast now lies over southern parts of Gangetic West Bengal & adjoining north Odisha and associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestward with height. It is likely to become more marked during next 48 hours.
- Under the influence of this Low Pressure Area, widespread rainfall activity with heavy to very heavy rainfall activity with extremely heavy falls at isolated places very likely over Odisha, Chhattisgarh, Vidarbha & East Madhya Pradesh on 13th and over West Madhya Pradesh on 14th and over East Rajasthan on 14th & 15th.
- Widespread rainfall activity with isolated heavy to very heavy rainfall with extremely heavy falls very likely over Kerala during next 48 hours

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 Uttarakhand, Bihar, West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Jharkhand, Chhattisgarh, East Madhya Pradesh, Konkan & Goa, Lakshadweep, Coastal Karnataka and Kerala; **at many places** over Himachal Pradesh, Punjab, East Uttar Pradesh and Nagaland, Manipur, Mizoram & Tripura; **at a few places** over Jammu & Kashmir, Assam & Meghalaya, West Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh, Madhya Maharashtra and Interior Karnataka and **at isolated places** over Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan, Gujarat State, Marathawada, Telangana, Tamilnadu, Puducherry & Karaikal and Rayalaseema..
- **Heavy to very heavy rainfall at isolated places** over Coastal Karnataka and **Heavy rainfall at a few places** over Odisha and at isolated places over Jammu & Kashmir, Punjab and Sub-Himalayan West Bengal & Sikkim..
- **Thunderstorm observed (from 1730 hours IST yesterday to 0830 hours IST of today): at isolated places** over Punjab, East Uttar Pradesh, Jammu & Kashmir, Assam & Meghalaya, Coastal Karnataka, Bihar, Gangetic West Bengal & Sikkim, Odisha, and East Madhya Pradesh.

Weather Forecast for next 5 days upto 0830 hours IST 18th 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 4-5 days

Table -1

**5 Day Rainfall Forecast (MID-DAY)
13-August-2019**

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

% Station Reporting Rainfall

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

Weather Warning

Heavy rainfall

13 Aug (Day 1)	Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over East Madhya Pradesh, Vidarbha, Odisha, Kerala and Chhattisgarh; Heavy to very heavy rainfall at isolated places over East Rajasthan, West Madhya Pradesh, Telangana and Coastal Karnataka and Heavy rainfall at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Punjab, Uttar Pradesh, Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh and South Interior Karnataka.
14 Aug (Day 2)	Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over East Rajasthan, Kerala and West Madhya Pradesh; Heavy to very heavy rainfall at isolated places over East Madhya Pradesh, Coastal Karnataka, Vidarbha and Madhya Maharashtra and Heavy rainfall at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Rajasthan, Chhattisgarh, Bihar, Sub- Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Gujarat Region, Konkan & Goa, Telangana and South Interior Karnataka
15Aug (Day 3)	Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over East Rajasthan; Heavy to very heavy rainfall at isolated places over West Rajasthan, West Madhya Pradesh and Gujarat Region and Heavy rainfall at isolated places over Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Konkan & Goa, Coastal Karnataka, South Interior Karnataka and Kerala& Mahe
16 Aug (Day 4)	Heavy rainfall likely at isolated places over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Rajasthan, Sub-Himalayan West Bengal & Sikkim, Konkan & Goa, Coastal Karnataka, South Interior Karnataka and Kerala
17 Aug (Day 5)	Heavy to very heavy rainfall at isolated places over Uttarakhand and Haryana, Chandigarh & Delhi; Heavy rainfall likely at isolated places over Himachal Pradesh, Punjab, East Uttar Pradesh and Rajasthan
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

13 Aug (Day 1)	Thunderstorm accompanied with lightning very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura
14 Aug (Day 2)	Thunderstorm accompanied with lightning very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura
15 Aug (Day 3)	-
16 Aug (Day 4)	Thunderstorm accompanied with lightning very likely at isolated places over Bihar, Jharkhand, Gangetic West Bengal and Odisha
17 Aug (Day 5)	Thunderstorm accompanied with lightning very likely at isolated places over Bihar, Jharkhand, Gangetic West Bengal and Odisha
Advisory for Thunderstorm	Provide mechanical support to sugarcane, banana, young fruit plants and staking in vegetables to prevent the crops from lodging due to heavy rain.

Rough to very rough sea conditions

13 Aug (Day 1)	Strong winds , speed reaching 45-55 kmph are likely to prevail over north Bay of Bengal and southwest, eastcentral & adjoining westcentral Arabian Sea and Lakshadweep area. Squally weather likely to prevail over Gujarat-Maharashtra-Goa-Karnataka-Kerala-West Bengal-Odisha-south Tamilnadu coast and comorin area. Fishermen are advised not to venture into these areas.
14 Aug (Day 2)	Strong winds , speed reaching 45-55 kmph are likely to prevail over north Bay of Bengal and southwest, eastcentral & adjoining westcentral Arabian Sea and Lakshadweep area. Squally weather likely to prevail over Gujarat-Maharashtra-Goa-Karnataka-Kerala- south Tamilnadu coast and comorin area. Fishermen are advised not to venture into these areas
15 Aug (Day 3)	Strong winds , speed reaching 45-55 kmph are likely to prevail over southwest, eastcentral & adjoining westcentral Arabian Sea and Lakshadweep area. Squally weather likely to prevail over Gujarat-Maharashtra-Goa-Karnataka-Kerala coasts. Fishermen are advised not to venture into these areas
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State-wise Advisories

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

- In Arunachal Pradesh, drain out excess water from maize as it is sensitive to waterlogging mainly at initial vegetative stages. Maintain periphery of nursery/field of Jhum rice weed free and clean to prevent disease and pest harboring in weeds.
- In Assam, complete sowing of Sesamum within the first fortnight of August and undertake land preparation for sowing of khariff pulses (green gram and black gram).
- In Hill zone of Assam continue the sowing of Arhar. Undertake intercropping in arhar with green gram/ blackgram/ sesamum.
- In Meghalaya, continue transplanting of low land Kharif Rice. After transplanting maintain a thin layer of 2-3 cm water level in the fields.
- In Manipur continue sowing of millet and Blackgram.
- In Mizoram undertake harvesting of maize.
- In Tripura, drain out excess water from maize, groundnut and vegetable field. Manage the attack of Bacterial Leaf Blight in paddy by spraying fresh cow dung extract 20% twice at fortnightly interval after current spells of rain.

Odisha, Bihar, Jharkhand and West Bengal

- In North Eastern Plateau zone of Odisha, drain out excess water from the fields of groundnut Green gram and maize. Complete transplanting of rice.
- In North Eastern Coastal Plain zone of Odisha wrapping and propping should be done in sugarcane 4-5 months old in medium and late duration varieties.
- In East and South Eastern Coastal Plain Zone of Odisha complete sowing of greengram and blackgram in fallow uplands
- In North Eastern Ghat zone of Odisha complete sowing of sesamum, green gram black gram and cowpea
- In Bihar complete the transplanting of paddy. In the transplanted rice field, farmers are advised to give priority of weed management. Complete sowing of Pigeon pea. Drain out excess water or make trench around the kharif maize field
- In Gangetic West Bengal, Continue transplanting up to third week of August to control weed problem in transplanted Aman wet seeded paddy apply Pretilachlor mix with sand or urea 3 days after transplanting.
- In Jharkhand complete transplanting of rice by 15 August. For fallow upland, undertake cultivation of medium duration Pigeonpea and pulses like Horsegram, Moongbean Urdbean, Oilseeds like Niger- Birsa niger, Safflower and short duration Maize.

Madhya Pradesh and Chhattisgarh

- In Malwa Plateau zone of Madhya Pradesh weather is congenial for incidence of sucking insect on cotton, spray mix the Imidacloprida with 2 ml of 1 liter of water after current spells of rain
- In Hill zone, Central Narmada Valley Zone and Nimar Valley Zone of Madhya Pradesh drain out excess water from cotton, maize, soybean, Black gram fields.
- In the Vindyan Plateau zone of field preparation of cucurbitaceous vegetable crops like sowing of Bottle guard, Pumpkin, cucumber, Bitter guard and Ridge guard.

- In Chhattisgarh, complete the transplanting of rice. Maintain 5-7 cm water in rice field for better growth and to suppress the weeds
- In Bastar Plateau zone of Chhattisgarh undertake land preparation for sowing of Niger, horse gram, black gram, green gram at the end of August

Rajasthan

- In Rajasthan due to continuous cloudy sky groundnut may be affected by leaf spot disease. In this disease brown to dark brown color spots appear on leaves. Farmers are advised to spray Bavistin @ 0.5 gm or Mencozeb @ 2 gm per litre water after current spells of rain.
- In Arid Western Plain Zone do not carry out inter cultural operation in groundnut during pegging stage

Uttar Pradesh and Uttarakhand

- In Eastern Plain zone of Uttar Pradesh under prevailing weather condition there is possibility stem borer in Maize, hence farmers are advised for application in carbofuran 3% granules @ 20 kg/ha after current spells of rain.
- In Babar Tarai zone of Uttarakhand sowing of kharif fodder crops like: Jawar, lobia, maize, bajara, gawar etc should be completed till 15th August.
- In Hill zone of Uttarakhand harvest mature tubers (potato) and kept in clean and dry place.

Maharashtra

- In Konkan region, to control the weeds on field bunds of rice, spray herbicide Gramoxzone @ 3 ml per lit. of water after current spells of rain.
- In Madhya Maharashtra, due to present cloudy and humid condition green gram may get infested by powdery mildew disease during or after flowering which affects the yield. For its control spray 22 gram water soluble sulphur per 10 liter of water.
- In Marathwada, to control aphids in black gram / green gram crop take a spray of Dimethoate 30 % @ 240 ml per acre during clear weather condition.
- In West Vidarbha, undertake weeding in early sown cotton, sorghum, green gram, black gram, maize and soybean after current spell of rain.
- In East Vidarbha, transplanting of rice may be carried out with a spacing of 20 x 15 cm with placement of seedling 2.5 to 3.5 cm. Apply weedicide Butachlor 50%EC 3.75 liter+500liter water per ha. (75ml+10lit.water) after 3-5 days transplanting

Andhra Pradesh and Telangana

- In North Coastal Andhra Pradesh, by utilizing the realized rainfall incorporate green manure crops preceding to rice and go for puddling of main fields for transplanting. Drain out excess water from the Black gram, Green gram sugarcane, maize, groundnut and sesame. There is a chance of crop lodging due to rainfall which has attained 4 feet, undertake T.T.Propping in the crop.
- In Scarce rainfall Zone of Rayalaseema, undertake sowings of contingency crops like redgram, castor, bajra and foxtail millet after receipt of sufficient rainfall.
- In Krishna Godavari Zone of Andhra Pradesh, provide irrigation on alternate day immediately after transplanting the paddy during first week and then maintain water level of 2-3 cm.
- In Southern Zone of Andhra Pradesh, in maize arrange 10 pheromone traps per acre to monitor Fall army worm. For each catch if population exceeds 10 go for spraying of neem oil 5 ml./L of water and spray thiodicarb 2g/L after 15 days
- In Southern Telangana zone, take up sowing of Castor, Cowpea, Sesamum and Sunflower. Drain out excess water from the fields of rainfed crops

- In Northern Telangana drain out excess water in standing crops. Drain out excess of water from the fields of rainfed crops. Take up sowing of sesame & cowpea. Excess soil moisture congenial for the incidence of parawilt in cotton. To prevent the spread of the disease soil drench with copper- oxy-chloride @ 3gr per lit of water after current spells of rain.

Gujarat

- In Middle Gujarat zone undertake sowing of intercrops like green gram, black gram, etc. in cotton and undertake transplanting of paddy.
- In North West zone, carry out sowing of castor after current spells of heavy rain at optimum moisture level.
- In South Gujarat Heavy Rainfall zone undertake sowing of Pigeon pea, Green gram and Black gram should be done immediately after rainfall.