

**Advisory for DDKisan dated 09.08.19**  
**(Agromet Advisories mentioned in the inputs are prepared by different**  
**Agromet Field Units in the country)**

**Significant Weather Features**

- The Depression over central parts of Madhya Pradesh moved west-northwestwards with a speed of about 32 kmph in last six hours and lay centred at 0830 hours IST of today, the 09th August, 2019, near Latitude 23.8°N and Longitude 77.3°E over West Madhya Pradesh, about 60 km north of Bhopal (West Madhya Pradesh), about 90 km southeast of Guna (West Madhya Pradesh) and about 210 km southeast of Kota (east Rajasthan). It is very likely to continue to move west-northwestwards and weaken gradually into a Well Marked Low Pressure Area during next 24 hours.
- Fairly widespread to widespread rainfall with isolated heavy to very heavy falls are very likely over Gujarat Satateduring next 48 hours southwest Madhya Pradesh, South Rajasthan, South Konkan & Goa, Madhya Maharashtra, Karnataka and Kerala during next 24 hours.
- Isolated extremely heavy falls are also very likely over southwest Madhya Pradesh, Gujarat, south East Rajasthan, Kerala, Coastal Karnataka and ghat areas of South Interior Karnataka and Tamilnadu during next 24 hours. Intensity of rainfall over Interior Maharashtra is likely to reduce from today and that of Kerala and Karnataka from tomorrow.
- Strong surface wind speed reaching 30-40 kmph likely over northwest Madhya Pradesh & adjoining East Rajasthan, south Haryana, Delhi & adjoining West Uttar Pradesh 25-35 kmph over north Interior Maharashtra on 9th and over northwest Rajasthan, southwest Madhya Pradesh & adjoining Gujarat Region on 10th August

**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, Madhya Pradesh, Vidarbha, Konkan & Goa, Madhya Maharashtra, Gujarat Region, Telangana, South Interior Karnataka, Tamilnadu, Puducherry & Karaikal, Coastal Andhra Pradesh, Chhattisgarh, West Bengal & Sikkim, Jharkhand, Nagaland Manipur, Mizoram & Tripura, Andaman & Nicobar Islands, Kerala and Lakshadweep **at many places** over Rajasthan, Saurashtra & Kutch, North Interior Karnataka, Odisha and Assam & Meghalaya; **at a few places** over Bihar and **at isolated places** over Jammu & Kashmir, Punjab, Uttar Pradesh, Marathwada and Rayalaseema.
- **Heavy to very heavy rainfall with Extremely heavy falls observed at isolated places over** Tamilnadu and Kerala; **Heavy to very heavy rainfall** at isolated places over Konkan & Goa, Madhya Pradesh, Madhya Maharashtra and East Rajasthan and **Heavy rainfall** at isolated places over Gujarat region, Coastal Karnataka, Vidarbha and North Interior Karnataka.
- **Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today):** at isolated places over Punjab, Interior Karnataka, Kerala, Coastal Andhra Pradesh, Konkan & Goa, Bihar, Rajasthan, Assam & Meghalaya, Uttarakhand and Himachal Pradesh.

## Weather Forecast for next 5 days upto 0830 hours IST 14<sup>th</sup> 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 48 hours.

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

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

### Heavy rainfall

09 Aug (Day 1)	<b>Heavy to very heavy rainfall at a few places with extremely heavy falls very likely at isolated places</b> over Gujarat State, Kerala and South Interior Karnataka; <b>Heavy to very heavy rainfall with extremely heavy falls</b> at isolated places over Tamilnadu, Puducherry & Karaikal, Coastal Karnataka, West Madhya Pradesh and East Rajasthan; <b>Heavy to very heavy rainfall</b> at isolated places over North Interior Karnataka, Konkan & Goa, Madhya Maharashtra and West Rajasthan and Heavy rainfall at isolated places over Lakshadweep, Vidarbha, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab and Andaman & Nicobar Islands.
10 Aug (Day 2)	<b>Heavy to very heavy rainfall at a few places with extremely heavy falls very likely at isolated places</b> over Saurashtra & Kutch; <b>Heavy to very heavy rainfall</b> likely at isolated places over Tamilnadu, Puducherry & Karaikal, Kerala, Coastal Karnataka, South Interior Karnataka, Konkan & Goa and Gujarat Region and <b>Heavy rainfall</b> at isolated places over Lakshadweep, North Interior Karnataka, Madhya Maharashtra, Himachal Pradesh, Uttarakhand, Rajasthan and Andaman & Nicobar Islands
11 Aug (Day 3)	<b>Heavy rainfall</b> likely at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Gujarat State, Tamilnadu, Puducherry & Karaikal, Kerala, Lakshadweep, Coastal Karnataka, South Interior Karnataka, Andaman & Nicobar Islands, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura,
12 Aug (Day 4)	<b>Heavy to very heavy rainfall</b> likely at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and <b>Heavy rainfall</b> at isolated places over Punjab, Haryana, Chandigarh & Delhi, Tamilnadu, Puducherry & Karaikal, Kerala, Coastal Karnataka, Konkan & Goa, West Bengal & Sikkim, Odisha, Jharkhand and Bihar.
13 Aug (Day 5)	<b>Heavy to very heavy rainfall</b> likely at isolated places over Uttarakhand, Tamilnadu, Puducherry & Karaikal, Kerala and Sub-Himalayan West Bengal & Sikkim and <b>Heavy rainfall</b> at isolated places over Coastal & South Interior Karnataka, East Madhya Pradesh, Chhattisgarh, Jammu & Kashmir, Himachal Pradesh Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Odisha, Jharkhand, Bihar and Assam & Meghalaya
<b>Advisory for Heavy rainfall</b>	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.

## Rough to very rough sea conditions

09 Aug (Day 1)	<b>Strong winds</b> , speed reaching 40-50 kmph, are likely to prevail over southwest, central and northeast, Arabian Sea and along & off Kerala, Karnataka, Goa, Maharashtra, Gujarat coasts, Lakshadweep area, Tamilnadu coasts, West Bengal-Odisha coasts and Andaman Sea. Fishermen are advised not to venture into these areas.
10 Aug (Day 2)	<b>Strong winds</b> , speed reaching 40-50 kmph, are likely to prevail over southwest, central and northeast, Arabian Sea and along & off Kerala, Karnataka, Goa, Maharashtra, Gujarat coasts, Lakshadweep area, Tamilnadu coasts, West Bengal-Odisha coasts and Andaman Sea. Fishermen are advised not to venture into these areas
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## State-wise Advisories

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

- In Arunachal Pradesh drain out excess water from maize 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 undertake Land preparation and sowing of Arhar and sesame.
- In Hill zone of Assam intercropping of Arahara with green gram/ blackgram/ sesamum in 20-25% hill slope either in single / double row can be suitably done.
- In Upper Brahmaputra Valley zone and Central Brahmaputra Velly zone of Assam complete transplanting of late sali rice varieties.
- In Meghalaya, undertake land preparation / sowing of French bean/Cowpea.
- In Manipur undertake sowing of millet/ Blackgram. Before sowing treat seeds with Carbendazim @ 2g/ kg seeds. Line sowing at a spacing of 25-30cm row to row with depth of 2-3cm.
- In Nagaland severe weed infestation may occur in TRC paddy due to moist soil, use simple rotary weeder between the crop rows in both the directions.
- In Tripura, remove the weeds in the vicinity of paddy crop as the pest breeds on grasses prior to its migration to rice crop, At this stage there may be attack of Gundhi Bug on rice . Collection of the bugs by net is suggested. If infestation is more than thresh hold limit i.e. 16 bugs per 100 ear heads than apply Fipronil 1 ml per liter of water after current spells of rain.

### **Odisha, Bihar, Jharkhand and West Bengal**

- In East and South Eastern Coastal Plain zone, North Eastern and North Central Plateau Zone of Odisha complete sowing and transplanting different kharif crops like Cowpea, Mung, Arhar, Ragi, Paddy, Maize and Groundnut.
- In Bihar complete the transplanting of paddy. In the transplanted rice field, farmers are advised to give priority of weed management. Complete the sowing of Pigeon pea. Drain out excess water or make trench around the kharif maize field
- In Gangetic West Bengal, continue transplanting of Aman wet seeded paddy in low and medium lands. Where weed problem is there apply Pretilachlor mix with sand or urea 3 days after transplanting. Undertake land preparation for sowing of kharif Green Gram and Black Gram.
- In Jharkhand complete transplanting of rice by 15 August. Direct sowing of 2-3 days old germinated rice seed in well puddled field can be done immediately at 20 x 10 cm spacing. For fallow upland, undertake cultivation of medium duration Pigeonpea-pulses like Horsegram, Moongbean Urdbean, Oilseeds like Niger- Birsa niger, Safflower and short duration Maize.

### **Madhya Pradesh and Chhattisgarh**

- In Madhya Pradesh in the already sown crop of soyabean install Light Trap / Insects specific Pheromone Trap in order to assess the likely infestation of insects and for integrated pest management.
- In Kymore Plateau & Satpura Hills undertake transplanting of rice and field preparation for sowing of soyabean. Drain out excess water from Arhar, Moong / Urd
- In Chhattisgarh, complete the transplanting of rice. Maintain 5-7 cm water in rice field for better growth and to suppress the weeds

### **Rajasthan**

- In Rajasthan if yellowing of foliage in groundnut is observed spray 0.1 % Sulphuric acid or 0.5 % Ferrous Sulphate (Harakasis) during clear skies. Carry out weeding and maintain plant population by thinning in timely sown crop like Sorghum, pearl millet, sesame and groundnut on clear days to conserve soil moisture.
- In Arid Western Plain Zone and Irrigated North Western Plain Zone, continue sowing of bajra and green gram under sufficient soil moisture conditions.

### **Uttar Pradesh and Uttarakhand**

- In Uttar Pradesh under prevailing weather condition there is possibility of khaira disease in transplanted rice, hence advice for spraying of 5 kg ZnSO<sub>4</sub>+20 kg Urea dissolved in 800-1000 litre of water during clear weather.
- In Central Plain zone of Uttar Pradesh complete sowing of bajara. Undertake sowing of green gram and black gram during clear weather.
- In Western Uttar Pradesh in the paddy field if plants started turning yellow i.e. top leaves turned yellow and bottom leaves remained green, spray zinc sulphate solution (6.0 kg zinc sulphate dissolved in 300 litres of water / ha.) after current spells of rains.
- In Babr 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, drain out excess water from already sown groundnut field and paddy.
- In Madhya Maharashtra, drain out excess water from kharif crops Niger, Finger millet, small millet, Pearl Millet, Sorghum, Cotton, Soybean and paddy
- In Marathwada, Due to prolong cloudy weather condition and rainfall excess growth is observed in soybean crop, hence to reduce stem elongation take a spray of Cycocel 10 ml per 10 liter of water before flowering or during flowering in soybean crop.
- In West Vidarbha, drain out excess water from the fields of cotton & soybean, to manage the initial incidence of pink boll worm in earlier sown cotton at flowering stage, undertake spray of 5% NSKE or Azadirachtin 1500 ppm @ 25 ml per 10 litres of water after current spell of rains.
- 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. deep and transplant 3 plants per hill and for hybrid rice 1 plant per hill.

### 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 sugarcane crop lodging due to rainfall which has attained 4 feet, undertake tying and wrapping. Propping in the crop.
- In Scarce rainfall Zone of Rayalaseema, Farmers of Atmakur, Midthur, Bandi Atmakur, Nandi Kotkur, Pagidyala, Chippagiri, Pamulapadu, Jupadu Bungalow and Velgode mandals of Kurnool district can take up sowings of contingency crops like redgram, castor, bajra and foxtail millet after receipt of sufficient rainfall.
- In Krishna Godavari Zone of Andhra Pradesh, Spray Bispyribac sodium 200 ml/ha as post emergence herbicide at 15-20 days after sowing to control both monocot and dicot weeds in rice.
- In Southern Zone of Andhra Pradesh, Farmers who has not taken up groundnut sowings are advised to sow alternate crops like bajra, redgram, castor, cowpea, field bean, fodder jowar, horse gram after receiving the rains.
- In Southern Telangana zone, undertake sowing of Cowpea, Sesamum, Castor crop and Sunflower after redgram at closer spacing utilizing the realized rainfall. Do not undertake 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. The prevailing weather conditions are favorable for blast in paddy. To control apply of tricyclozole @ 0.6 g or isoprothiolane @ 1.5 ml liter of water during clear weather. Undertake sowing of sesame & cowpea

### Karnataka, Tamilnadu

- In North Interior Karnataka, drain out the excess rain water from the maize, green gram and vegetable crop fields. Complete sowing of onion crop. Undertake sowing of sunflower, cowpea crop.
- In South Interior Karnataka, provide proper drainage to remove excess of water from crop fields. Undertake transplanting of ragi and rice seedlings. Carry out intercultural operation in maize, red gram crops
- In Western Zone of Tamilnadu, undertake sowing of irrigated maize and gourds like snake gourd, bitter gourd and other cucurbits