

# **Advisory for DD Kisan dated 31.08.18**

**(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)**

## **Significant Weather Features**

- The cross equatorial flow associated with southwest monsoon has weakened and this situation is likely to continue during the entire forecast period. However, the monsoon trough, especially its eastern part, is likely to remain active during next 4-5 days. As a result, the major rainfall activity is likely to be confined to north and adjoining central India and subdued rainfall activity is likely to continue over the southern states and interior parts of Peninsular India.
- Fairly widespread rainfall activity with isolated heavy falls are likely to continue over Madhya Pradesh, Uttar Pradesh and Uttarakhand during next 3-4 days. Fairly widespread to widespread rainfall with isolated heavy/very heavy falls are likely over northeastern States, West Bengal, Jharkhand and Odisha during 31<sup>st</sup> August -02<sup>nd</sup> September, over Bihar during 2<sup>nd</sup>- 4<sup>th</sup> September and over Haryana, Chandigarh & Delhi on 02<sup>nd</sup> & 03<sup>rd</sup> September.
- Heavy to very heavy rain occurred at isolated places over Chhattisgarh; heavy rain occurred at isolated places over Himachal Pradesh, Uttarakhand, West Bengal & Sikkim, Odisha, Jharkhand, East Uttar Pradesh, East Madhya Pradesh, South Interior Karnataka and Tamilnadu & Puducherry from 0830 hours IST of yesterday to 0830 hours IST of today.

## **Realised Rainfall**

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

- Rainfall observed (from 0830 hours IST of yesterday to 0830 hours IST of today): Rain/thundershowers observed at most Places over West Bengal & Sikkim, Bihar, Arunachal Pradesh, Konkan & Goa, Karnataka, Lakshadweep and Andaman & Nicobar Islands; at many places over Uttar Pradesh, Jharkhand, Madhya Pradesh, Chhattisgarh and Nagaland, Manipur, Mizoram & Tripura; at a few places over Himachal Pradesh, Uttarakhand, East Rajasthan, Gujarat, Vidarbha, Assam & Meghalaya, Madhya Maharashtra, Odisha, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Rayalaseema and Kerala; at isolated places over Jammu & Kashmir, Punjab and Telangana.

## 5 Day Rainfall Forecast (Mid-day) 31<sup>st</sup> August 2018

Met-Sub-Division	31-Aug Today	01Sep Sat	02Sep Sun	03Sep Mon	04Sep Tue
1. Andaman & Nicobar Islands	WS	FWS	FWS	FWS	FWS
2. Arunachal Pradesh	WS	WS	WS	FWS	FWS
3. Assam & Meghalaya	SCT	WS	WS	FWS	FWS
4. N. M. M. & T.	FWS	WS	WS	FWS	FWS
5. S.H. West Bengal & Sikkim	WS	FWS	FWS	FWS	FWS
6. Gangetic West Bengal	WS	WS	WS	WS	WS
7. Odisha	FWS	FWS	FWS	FWS	FWS
8. Jharkhand	WS	WS	WS	FWS	FWS
9. Bihar	FWS	FWS	WS	WS	WS
10. East Uttar Pradesh	FWS	WS	WS	FWS	FWS
11. West Uttar Pradesh	WS	WS	WS	WS	FWS
12. Uttarakhand	WS	WS	WS	WS	FWS
13. Haryana, Chd & Delhi	SCT	SCT	FWS	FWS	SCT
14. Punjab	ISOL	ISOL	ISOL	ISOL	ISOL
15. Himachal Pradesh	FWS	FWS	FWS	FWS	SCT
16. Jammu & Kashmir	ISOL	ISOL	SCT	SCT	SCT
17. West Rajsthan	ISOL	ISOL	ISOL	ISOL	DRY
18. East Rajasthan	SCT	FWS	FWS	FWS	SCT
19. West Madhya Pradesh	WS	WS	WS	FWS	FWS
20. East Madhya Pradesh	WS	WS	FWS	FWS	FWS
21. Gujarat Region	SCT	SCT	SCT	ISOL	ISOL
22. Saurashtra & Kutch	SCT	SCT	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	SCT	SCT	SCT	SCT
25. Marathawada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	SCT	SCT	SCT	SCT	SCT
27. Chhattisgarh	FWS	FWS	FWS	FWS	FWS
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	SCT	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	SCT	ISOL	ISOL	ISOL	SCT
32. Coastal Karnataka	FWS	FWS	FWS	FWS	FWS
33. North Interior Karnataka	FWS	FWS	SCT	SCT	SCT
34. South Interior Karnataka	FWS	FWS	SCT	SCT	SCT
35. Kerala	FWS	FWS	SCT	SCT	SCT
36. Lakshadweep	FWS	SCT	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 Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

### Weather Warning

- **31 August (Day 1):** Heavy to very heavy rain at isolated places very likely over West Uttar Pradesh and heavy rain at isolated places over Uttarakhand, East Uttar Pradesh, East Rajasthan, Madhya Pradesh, Chhattisgarh, Jharkhand, Gangetic West Bengal, Odisha, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, South Interior Karnataka and Tamilnadu & Puducherry.
- **01 September (Day 2):** Heavy to very heavy rain at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over Uttarakhand, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Jharkhand, Gangetic West Bengal and Odisha.
- **02 September (Day 3):** Heavy to very heavy rain at isolated places very likely over Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over Uttarakhand, Haryana,

Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Konkan & Goa.

- **03 September (Day 4):** Heavy rain at isolated places likely over Uttarakhand, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan, Bihar and Nagaland, Manipur, Mizoram & Tripura.
- **04 September (Day 5):** Heavy rain at isolated places likely over Uttarakhand, Bihar and Tamilnadu & Puducherry.

## **Agromet Advisories for *Kharif* crops from different AMFUs in the country**

### **State-wise Advisories**

#### **Kerala**

- In Kottayam district, in areas where rice seedlings are of appropriate age, undertake transplanting of rice after draining out excess water. Continue harvesting Nendran and undertake planting of new Nendran banana.
- To control rice bug in paddy, spray Malathion @ 2 ml per litre of water either before 9 am or after 3 pm to avoid adverse effect on pollination.

#### **Andhra Pradesh**

- In Rayalaseema, undertake sowing of contingency crops like red gram, castor, cowpea, kora, bajra and horse gram instead of rain-fed groundnut as there will be yield reduction in late sown crop.
- In Rayalaseema, spray Monochrotophos @ 1.6 ml or Imidacloprid 0.3ml or Dimethoate @ 2 ml per litre of water to control sucking pests in groundnut.

#### **Telangana**

- Continue transplanting of paddy seedlings and Chillies.
- To control hispa, in rice spray Quinalphos or Profenophos @ 2 ml or Chlorpyrifos @ 2.5 ml per litre of water. For control of stem borer attack in rice apply Cartap Hydrochloride 4G @ 8kg per acre. To prevent sucking pests in cotton, apply Monocrotophos and water in 1:4 ratio with a soft brush on tender part of the stem for 30 days old crop. Undertake plant protection measures on a non-rainy day.

#### **Tamil Nadu**

- Continue land preparation for transplanting of Samba rice ( varieties like CR 1009 (Sub 1), ADT 50 and ADT 51).
- Undertake preparatory tillage for dry lands by utilizing the recent rainfall as well as the expected rain in the coming days for raising crops as pre-monsoon sowing during the ensuing north east monsoon season. The rice farmers are advised to raise green manure crops like dhaincha using the recent rainfall by adopting the seed rate of 50 kg/ ha in order to improve the soil fertility and reduce the cost of fertilizer for succeeding Pishanam rice.

## **Karnataka**

- In South Interior Karnataka, complete transplanting of rice and ragi and continue sowing of short duration crops like cowpea (vegetable purpose), field bean, horse gram, Foxtail millet, Little millet, Kodo millet, ragi crops.
- In North Interior Karnataka, complete sowing of red gram (late sown). In shallow and red soils continue sowing of bajra, sunflower, Setaria (Navane), horsegram and in medium black to deep black soils, sowing of sunflower, cotton, fodder crops. Continue intercultural operations in pigeon pea, soybean and maize crops to conserve soil moisture. Prepare the ridges and furrows and compartment bunds in the lands reserved for rabi sowing so as to conserve moisture in the soil which will be helpful for the rabi crops.

## **Assam**

- In Assam, continue sowing black gram and green gram after current spells of heavy rain (varieties like T-9, T-27, Pant U 19, T-122, Saonia mah (SB121), KU 301 and USJD113 for black gram and T44, Kopergaon, K851, ML56, ML131, SG1 (Pratap), SGC16, SGC20, Sonai (SG21-5) etc for green gram).

## **Odisha**

- To control blast and leaf folder attack in transplanted rice. Apply Cartap hydrochloride 50 SP @ 1.25g/litre of water or Acephate 75 SP @ 1.5g/litre of water against leaf folder. In case of blast, apply Tricyclazole 75WP @ 0.6g/ litre of water or Isoprothiolane 40EC @ 1.5ml/ litre of water. Undertake plant protection methods after current spells of rain.

## **Bihar**

- In view of the widespread rainfall with isolated heavy rainfall, provide adequate drainage in maize, groundnut and vegetable fields.
- In the upland areas, where rice could not be transplanted due to deficient rainfall, undertake land preparation for sowing of September Pigeon pea after current spells of heavy rainfall ( Pusa-9 and Sarad varieties)

## **West Bengal**

- In the Sub-Himalayan West Bengal, provide proper drainage facility in large cardamom, soybean, ginger and turmeric fields. Undertake sowing of black gram in uplands after seed treatment. Remove excess water from kharif vegetable fields to prevent rotting
- In Gangetic West Bengal, maintain proper water level in the Aman wet seeded paddy field.

## **Madhya Pradesh**

- In West Madhya Pradesh, provide proper channels for drainage of excess rain water in the crop fields.
- In Bundekhand Zone, to control aphids in urad and moong spray Methyl Dematon 25 E.C. or Dimethoate 30 E.C. @ 2 ml/litre of water after current spells of rain.

## **Chhattisgarh**

- Provide adequate drainage in vegetables, pulses and oilseed crops to remove excess water.
- For control of attack of blast in rice crop, spray Tricyclazole @120 g per acre after current spells of rain.

## Uttarakhand

- Continue sowing of pea, radish, cabbage, broccoli and turnip after current spells of heavy rain. Provide proper drainage in kharif maize, pulses and vegetables fields.
- In Sub Humid Sub Tropic Zone, maintain water level of 2-3 cm in rice fields. Continue field preparation for vegetable pea and toria. Provide proper drainage in standing crop fields.
- To control leaf blight disease in maize crop, spray Mancozeb @ 2.5g/litre of water after current spells of rain.

## Punjab & Haryana

- In Haryana, maintain 5-6 cm standing water (maximum tillering stage) in rice fields.

## Maharashtra

- In Konkan, maintain water level of 5-10 cm in rice field. To control blast disease in rice, spray Tricyclazole @ 1 g or Isoprothiolane @ 1 ml per litre of water after current spell of rain.
- In Madhya Maharashtra, maintain 5-10 cm water level in rice fields. For control of leaf eating caterpillar in soybean, erect 5 pheromone traps per ha using spodo lure.
- For control of pod borer/ hairy caterpillar in green gram, spray Quinalphos 25 EC @ 20 ml per 10 liter of water on a non-rainy day.
- In Marathwada, undertake harvesting of timely sown and matured black / green gram. To control leaf eating caterpillar and American bollworm in soybean, spray Chlorantraniliprole 18.5 % @ 60 ml per acre or Indoxarab 15.8 % @ 140 ml per acre. To control Anthracnose in soybean spray Tebuconazole 90 % WP + Sulfur 65 % WG @ 25 g per 10 liter of water.
- In West Vidarbha, continue plucking of green pods of green gram. In East Vidarbha , maintain 3-5 cm water level in rice fields. To control incidence of stem fly and girdle beetle in soybean, spray Chlorantraniliprole 18.5 SC @ 3 ml or Profenofos 50% EC @ 20 ml or Triazophos 40% EC @ 12.5 ml in per 10 liter of water on a non-rainy day.