

# **Advisory for DD Kisan dated 27.07.18**

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

## **Significant Weather Features**

- The low pressure area now lies over west Uttar Pradesh & neighbourhood . This system is likely to remain quasi-stationary and thereby cause widespread rainfall with isolated heavy to very heavy rainfall over Uttar Pradesh, Uttarakhand, Himachal Pradesh, Haryana, Chandigarh & Delhi and Northwest Madhya Pradesh during next 2 days.
- A cyclonic circulation lies over northern parts of West Bengal & neighbourhood between 0.6 km & 7.6 km above mean sea level with the upper part tilting southwards with height. Under its influence a low pressure area is likely to form during next 2-3 days. Fairly widespread to widespread rainfall with isolated heavy to very heavy falls are very likely over West Bengal, Bihar and Jharkhand during next 3 days.
- Enhancement in rainfall activity likely over northeastern states from tomorrow.
- Heavy to very heavy and extremely heavy rainfall occurred at isolated places over Gangetic West Bengal; Heavy to very heavy rainfall over West Uttar Pradesh, Uttarakhand and Jharkhand and heavy rainfall over Himachal Pradesh, East Uttar Pradesh, Bihar, Nagaland, Manipur, Mizoram & Tripura and Assam & Meghalaya 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 Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Uttar Pradesh, West Bengal & Sikkim, Gangetic West Bengal, Jharkhand, Bihar, Odisha, Andaman & Nicobar Islands, Coastal Karnataka, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh, Chhattisgarh, Konkan & Goa, and Kerala; at many places over Punjab, Haryana, Chandigarh & Delhi, Arunachal Pradesh, Assam & Meghalaya, South Interior Karnataka, and Lakshadweep; at a few places over West Madhya Pradesh, Vidarbha, Madhya Maharashtra and North Interior Karnataka and at isolated places over East Rajasthan, Gujarat, Tamilnadu & Puducherry, Coastal Andhra Pradesh, Telangana and Rayalaseema.
- Rainfall recorded at 0830 hours IST of today (5 cm or more) are: Maithon-24; Haridwar-16; Aligarh-13; Solan-10; Gorakhpur and Gorakhpur, Shanti Niketan-8 each; Sohra, Meerut& Sundarnagar-7 each; Mandi-6; New Delhi SFD and Delhi ridge-5each.

## 5 Day Rainfall Forecast (Mid-day)

27<sup>th</sup> July 2018

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

- **27 July (Day 1):** Heavy to very heavy rain with extremely heavy falls at isolated places very likely over Gangetic West Bengal; heavy to very heavy rain at isolated places over Nagaland, Manipur, Mizoram & Tripura, Jharkhand, West Uttar Pradesh, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi and heavy rain at isolated places over Sub-Himalayan West Bengal, Arunachal Pradesh, Assam & Meghalaya, Bihar, East Rajasthan, East Uttar Pradesh, Jammu & Kashmir, West Madhya Pradesh and Coastal Karnataka.
- **28 July (Day 2):** Heavy to very heavy rain with extremely heavy falls at isolated places very likely over Assam & Meghalaya; heavy to very heavy rain at isolated places over Jharkhand and heavy

rain at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Bihar, West Uttar Pradesh, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi and West Madhya Pradesh.

- **29 July (Day 3):** Heavy to very heavy rain at isolated places very likely over Assam & Meghalaya and heavy rain at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Bihar, Sub- Himalayan West Bengal & Sikkim, West Uttar Pradesh, Uttarakhand and West Madhya Pradesh.
- **30 July (Day 4):** Heavy to very heavy rain at isolated places likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Uttarakhand and heavy rain at isolated places over Arunachal Pradesh, Sub- Himalayan West Bengal & Sikkim, Uttar Pradesh, Madhya Pradesh, Kerala and Coastal & South Interior Karnataka.
- **31 July (Day 5):** Heavy to very heavy rain at isolated places likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Uttar Pradesh, Uttarakhand, Madhya Pradesh, Kerala, Coastal & South Interior Karnataka and Tamilnadu.

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

### **Sate-wise Advisories**

#### **Arunachal Pradesh**

- Make structures in Jhum rice fields to avoid run-off. Avoid stagnation of water in maize, green gram and black gram fields.

#### **Assam**

- Continue transplanting of Sali rice seedlings in the main field after current spells of heavy rain. In case of short duration, high yielding varieties age of seedlings during time of transplanting should be 21 days and for of long duration varieties the age of seedling should be 30-40 days. Continue sowing of kharif sesame varieties like ST 1683, Punjab Til No. 1, Gauri, Madhabi, Koliabor Local, Nagaon Local etc. upto the first fortnight of August preferably in fair weather. Continue sowing of recommended high yielding sesamum varieties such as SP 1181 (Madhavi), Gauri, Vinayak, ST-1683, Punjab Til No. 1 etc. If there is the total damage of seedlings or crops in the main field, farmers are advised to go for sowing seeds for replanting with medium to short duration varieties like - Monohar Sali, Salpona, Prasadbhog, Gobin bhog etc in nursery bed within 1st week of August. In partially affected fields, drain excess water and apply 1/3rd N<sub>2</sub> + 50% K<sub>2</sub>O as top dressing during the tillering stage.
- Spray Carbendazim @ 1gm per litre of water to control blast disease in Sali paddy seedlings.

#### **Manipur**

- Continue transplanting of 21-25 days old kharif rice seedlings to the main field. Transplant 3-4 weeks old healthy seedlings of early cauliflower crop after rains at a spacing of 45cm x 45cm.

#### **Mizoram**

- Transplant 2-3 seedlings of kharif rice in one place for avoiding gap filling.

## Tripura

- Complete the sowing of maize in a raised bed to avoid water stagnation. Transplant 15 to 20 days old Aman rice seedlings to the main field. Nagaland:
- Undertake nursery preparation for sowing of TRC/WRC paddy. Undertake sowing of soybean using disease free seeds. Maintain proper drainage in ginger/turmeric field. Cucurbit vines are very delicate. Take care not to damage vines, which reduce the quality of fruit.

## Odisha

- Continue transplanting of rice. Apply pre-emergence weedicide Bensulfuron methyl+Pretilachlor@10kg/ha or Pyrazosulfuron ethyl @20g a.i./ha at 3 to 4 days after transplanting.

## Bihar

- Undertake transplanting of rice with seedling of 25-28 days old. Before transplanting, apply 1.5-2 kg Urea, 5-6 kg SSP and 1Kg MOP per kattha to field for proper growth and development of the crop. Strengthen the bunds around the rice fields.
- Continue nursery sowing of early cauliflower, tomato, chilli and brinjal on raised bed of the field. Seed should be treated with Captan @ 2 g/kg of seed.

## Jharkhand

- Utilizing the expected rainfall, complete transplanting of medium and low land rice. Timely sown dhainch or sunnhemp green manure crop is presently at 30-35 days old hence, right time for insitu incorporation. Incorporate the chopped green manure crop in the soil for rotting and by doing this fertilizer will be made available through out the growing season.
- Continue sowing of soybean, sesame, urad bean and cowpea in uplands. Undertake cultivation of sweet potato with improved varieties with ridge and furrow method.

## West Bengal

- In the Sub-Himalayan West Bengal, prepare the rice main field by using rain water. If dhaincha was sown the cut and mix them soil. Use 2 ton compost per acre and mix them well while preparing the land. Provide proper drainage facility in soybean, round chilli, ginger and turmeric fields..
- In Gangetic West Bengal, in Coastal Saline Zone, if submerged conditions are found where transplanting of rice is already completed, arrange for drainage facilities to remove excess water and keep ready the extra seedlings for re-transplanting. Wait for receding of excess water then restart transplanting.

## Maharashtra

- In Konkan, continue transplanting of *nagli* by dibbling method
- In Madhya Maharashtra, undertake intercultural operation like weeding in pearl millet, pigeonpea and soybean. For control of semilooper pest in soybean, disseminate *Numoria reliae* fungi @ 2.5 to 3 kg per hectare or spray Prophenophos 50 EC @ 25 ml per 10 liter of water.
- In Marathwada, undertake intercultural operations like weeding in soybean, pearl millet, sugarcane fields and sapota orchard. To control attack of leaf eating catter pillar and girdle beetle in soybean, spray Profenofos 50% @ 20 ml per 10 liter water. To control sucking pests in sugarcane, spray Chlorpyrifos 20 % @ 30 ml per 10 liter of water.
- In West Vidarbha, continue intercultural operations (weeding/hoeing) in early sown cotton crop for timely control of weeds. Apply top dressing of nitrogen fertilizer to earlier sown one month old cotton crop@ 40 kg N/ha for irrigated Bt cotton, @ 35 kg N/ha for irrigated hybrid cotton, @ 30 kg N/ha for deshi hybrid cotton, @ 20 kg N/ha for deshi improved variety. Continue drenching with Copper oxy Chloride @ 25 g / 10 lit of water to avoid incidence of wilt and root rot in pigeon pea. Also undertake intercultural operations (weeding/hoeing) for timely control of weeds.

## Gujarat

- In South Gujarat Heavy Rainfall Zone, use 20-27 days old seedling for transplanting at 20 x 15 cm distance with 2-3 seedling per hill. Drain out excess water from already sown crop fields.

Complete sowing of Pigeon pea, Green gram and Black gram at the earliest at optimum soil moisture conditions.

- In South Gujarat, maintain 2-3 cm water level in transplanted rice field. Drain out excess water from the maize, sugarcane, green gram, black gram, ginger, turmeric and vegetable crop fields.
- In North Gujarat, drain out excess water from cotton, groundnut, pulses, pearl millet and sesame crop fields.
- In Saurashtra & Kutch, drain out excess water from already sown crop fields.

### **Madhya Pradesh**

- In West Madhya Pradesh, complete sowing of red gram, maize, green gram, black gram, pearl millet and soybean. Continue transplanting of rice.
- In Malwa Plateau Zone, if germination of soybean and maize is poor gap filling should be done.
- In East Madhya Pradesh, continue sowing of kharif crops like sorghum, sesame, maize, soybean and groundnut. Continue sowing of okra and cucurbits. Continue transplanting of brinjal, chilli and tomato. Continue transplanting of rice.

### **Chhattisgarh**

- Complete sowing of kharif crops like soybean, til, red gram, maize, groundnut. Undertake inter-cultural operations in different kharif crops like rice, maize, arhar, groundnut, soybean, urad, moong, vegetables etc. After weeding, broadcast urea as per their requirement. Complete line sowing and transplanting of rice.
- Continue planting of banana, papaya, mango, guava etc. Continue nursery sowing of brinjal, early tomato, chilli and onion in upland areas. Provide proper drainage facility in pulses and oilseed fields.

### **Punjab, Haryana & Delhi**

- In Punjab, in transplanted rice, apply second and third dose urea @ 37 kg per acre after current spells of rain. Continue sowing of rainy season vegetables like okra, cucurbits and cowpea. Continue transplanting of early cauliflower. Undertake sowing of kharif moong and mash..
- In Haryana, complete transplanting of rice after current spells of heavy rain.

### **Uttar Pradesh**

- In East Uttar Pradesh, complete transplanting of rice. Continue sowing of cucurbits. Undertake intercultural operations in moong, urad and soybean crops. In Central Plain Zone, intercropping systems can be adopted in light soils for efficient use of soil and water resources. Pearl millet + Black gram in 2:4 row proportion; Pearl millet + Pigeonpea in 2:1 row proportion or Pigeon pea + Sesame in 1:2 or 2:4 row proportions on up land well drained fields.

### **Rajasthan**

- In East Rajasthan, complete sowing of crops like red gram, green gram, cowpea, moth, pearl millet, sesame, sorghum, maize & cluster bean.
- In West Rajasthan, complete sowing of sesame, guar, pearl millet, cluster bean, moong bean, moth crops. Undertake intercultural operations in cotton and groundnut.