

Advisory for DD Kisan dated 03.08.18
(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

Monsoon forecast for second half of Southwest Monsoon

- i) Rainfall during August, 2018 is likely to be 96±9% of LPA and expected to be higher than that predicted in June.
- ii) Quantitatively, the rainfall for the country as a whole during the second half of the season (August & September) is likely to be 95% of LPA with a model error of ±8%.

Significant Weather Features

- The remnant cyclonic circulation of yesterday's low pressure area now lies over western parts of Bihar & neighbourhood. This is embedded in the monsoon trough whose western part is currently seen to the north of its normal position. This situation is conducive for fairly widespread to widespread rainfall with isolated heavy falls to continue over the northern belt comprising Uttarakhand, Uttar Pradesh, Bihar, Jharkhand, Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 2 days. Northward positioning of the trough is likely to cause a gradual increase in rainfall intensity over Uttarakhand during next 3-4 days
- Under the influence of an upper air cyclonic circulation, a low pressure area is likely to form over north Bay of Bengal & adjoining West Bengal around 06th August. Its formation and likely west-northwestward movement might activate the monsoon trough during 06th-09th August. Thus, it is likely that parts of East & Central India, northern plains and West Coast might experience fairly widespread to widespread rainfall, in general during this period.
- Rainfall activity is likely to increase over the foothills of the Himalayas and Western Himalayan region during 05th to 07th August due to likely strengthening of moist easterlies.

Realised Rainfall

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

- Rain/thundershowers observed at most places over Uttarakhand, East Uttar Pradesh, Bihar, Jharkhand, Konkan & Goa, Coastal Karnataka and Kerala; at many places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, West Bengal & Sikkim and Odisha; at a few places over Jammu & Kashmir, Himachal Pradesh, West Uttar Pradesh, Chhattisgarh, Gujarat, Madhya Maharashtra, Telangana, Coastal Andhra Pradesh, Tamil Nadu & Puducherry, Lakshadweep and Andaman & Nicobar Islands and at isolated places over Interior Karnataka.

5 Day Rainfall Forecast (Mid-day) 3rd August 2018

Met-Sub-Division	03-Aug Today	04-Aug Sat	05-Aug Sun	06-Aug Mon	07-Aug Tue
1. Andaman & Nicobar Islands	FWS	FWS	FWS	FWS	FWS
2. Arunachal Pradesh	WS	FWS	FWS	FWS	FWS
3. Assam & Meghalaya	FWS	FWS	FWS	FWS	WS
4. N. M. M. & T.	FWS	FWS	FWS	FWS	WS
5. S.H. West Bengal & Sikkim	WS	WS	WS	FWS	FWS
6. Gangetic West Bengal	FWS	FWS	WS	WS	FWS
7. Odisha	SCT	SCT	FWS	WS	FWS
8. Jharkhand	FWS	FWS	WS	WS	FWS
9. Bihar	WS	WS	FWS	FWS	SCT
10. East Uttar Pradesh	WS	FWS	FWS	FWS	FWS
11. West Uttar Pradesh	SCT	SCT	SCT	FWS	FWS
12. Uttarakhand	WS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	ISOL	ISOL	SCT	FWS	FWS
14. Punjab	ISOL	ISOL	ISOL	SCT	FWS
15. Himachal Pradesh	ISOL	WS	FWS	WS	WS
16. Jammu & Kashmir	DRY	ISOL	SCT	FWS	WS
17. West Rajasthan	DRY	DRY	DRY	ISOL	SCT
18. East Rajasthan	ISOL	ISOL	ISOL	SCT	FWS
19. West Madhya Pradesh	ISOL	ISOL	ISOL	SCT	FWS
20. East Madhya Pradesh	ISOL	ISOL	SCT	FWS	WS
21. Gujarat Region	ISOL	ISOL	ISOL	ISOL	SCT
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	SCT
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	ISOL	ISOL	SCT	SCT
25. Marathawada	ISOL	ISOL	ISOL	ISOL	SCT
26. Vidharbha	ISOL	ISOL	ISOL	SCT	SCT
27. Chhattisgarh	SCT	SCT	SCT	WS	FWS
28. Coastal Andhra Pradesh	SCT	SCT	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	SCT
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	SCT	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	ISOL	ISOL	ISOL	SCT
34. South Interior Karnataka	SCT	SCT	SCT	FWS	WS
35. Kerala	FWS	FWS	FWS	WS	WS
36. Lakshadweep	SCT	SCT	SCT	SCT	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

- 03 August (Day 1):** Heavy to very heavy rain at isolated places very likely over East Uttar Pradesh heavy rain at isolated places likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal, Jharkhand, Bihar, West Uttar Pradesh, Uttarakhand, East Madhya Pradesh and Konkan & Goa.

Rough to very rough Sea conditions are likely to prevail along & off Gujarat coast. Fishermen are advised not to venture into sea over this area.

- **04 August (Day 2):** Heavy rain at isolated places very likely over Uttarakhand, Uttar Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Konkan & Goa.

Rough to very rough Sea conditions are likely to prevail along & off Gujarat coast. Fishermen are advised not to venture into sea over this area.

- **05 August (Day 3):** Heavy rain at a few places with very heavy at isolated places very likely over Uttarakhand and heavy rain at isolated places very likely over Himachal Pradesh, Uttar Pradesh, Jharkhand, Gangetic West Bengal, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

- **06 August (Day 4):** Heavy to very heavy rain at isolated places likely over Uttarakhand and Jharkhand and heavy rain at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Chhattisgarh, West Bengal, Odisha, Konkan & Goa, Coastal & South Interior Karnataka and Kerala.

Rough to very rough Sea conditions are likely to prevail along & off Odisha-West Bengal coasts. Fishermen are advised not to venture into sea over this area.

- **07 August (Day 5):** Heavy rain at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Coastal & South Interior Karnataka and Kerala.

Rough to very rough Sea conditions are likely to prevail along & off Odisha-West Bengal coasts. Fishermen are advised not to venture into sea over this area.

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

State-wise Advisories

Kerala

- Clear drainage channels and drain out flood water from paddy fields in Problem Area Zone. In low lying areas strengthen bunds to protect paddy fields from flood water.
- Use 2CC Trichogramma cards per acre to control leaf folder and stem borer in rice crop.

Karnataka

- In Coastal Karnataka, drain out excess water from standing crop fields. Complete transplanting of rice. Undertake intercultural operations in 25-35 days old maize and cotton crops after current spells of rain.
- In South Interior Karnataka, continue intercultural operations in green gram, groundnut, sesame, maize and red gram crop.

Arunachal Pradesh

- Continue transplanting of rice in main field. The uprooted seedlings should be washed and then the root portion is to be dipped in 0.02% solution of Chlorpyrifos (1 ml/litre of water) along with 1% urea (10g/litre of water) for 3 hours to protect the seedlings from stem borer, gall midge and hoppers. Carry out harvesting of Jhum rice on clear sunny days.

Assam

- Continue transplanting of Sali rice seedlings in the main field. In case of short duration, high yielding varieties the age of seedlings during the time of transplanting should be 21 days and for of long duration varieties the age of seedling should be 30-40 days.
- In North Bank Valley Zone, farmers of flood affected areas are advised to collect short duration HYV rice varieties like Luit, Kapili, Kolong, Dishang etc.
- Undertake sowing of finger millet varieties like INR 1008, TANU-9 or other local varieties in sandy loam soil. Prepare land to sow seeds of green gram and black gram. In view of scanty rainfall, regular scouting and monitoring of crop against leaf eating insects should be done. Against case worm and leaf folder in paddy field, apply Chlorpyrifos @ 2 ml/lit of water in fair weather.

Meghalaya

- Use 25-30 days old Sali/*Kharif* rice seedling for transplanting. Transplant 2-3 seedlings per hill. After transplanting maintain a thin layer of water in the field. Keep 5 cm of standing water in the field.

Manipur

- Maintain 5-8 cm water level in the *kharif* rice field.
- Spray Lambdacyhalothrin @ 15 ml/ pump for thrips and leaf folder in *kharif* rice. Spray Carbendazim @ 0.5g / litre of water to control Tikka leaf spot in groundnut. Spray Dichlorovos 76 EC 0.05% @ 0.6ml/ litre of water against hairy caterpillars in black gram and rice bean crops after current spells of rain.

Tripura

- Carry out weeding in Aman rice field at tillering stage (three weeks after transplanting).
- For initial stage attack of yellow stem borer in Aman rice, spray of Neem seed kernel. If the attack is more than thresh hold limit than application of insecticide is necessary. Apply Chloropyrophos/ Fipronil/ Imidachlopride.

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.
- In North Central Plateau Zone, go for bushening of direct sown paddy in medium and low land if past 21 days stage. Apply 35 kg Urea per acre at bushening followed by weeding and gap filling. Drain out the excess water at the time of fertilizer application and pond it again after one day. Continue sowing of arhar, green gram, black gram and cowpea.

Bihar

- Continue transplanting of rice with seedling of 21-25 days old. Application of 132 kg DAP and 67 kg Murate of potash per hectare after final filed preparation should be given, 2-3 days after transplanting for control of weeds, apply Butachlor @ 3 lit/ha with 600-700 lit. of water or mix with sand.
- As adequate soil moisture is available in fields, undertake sowing of pulses crop (Arhar, Mung, Urd) in upland situation, seed rate 8-10 kg per ha for Arhar and var.

Jharkhand

- Complete sowing of groundnut, soybean, sesame, urad bean and cowpea in uplands. Undertake cultivation of sweet potato with improved varieties with ridge and furrow method. Provide adequate drainage in ginger, turmeric and yam fields.

West Bengal

- In the Sub-Himalayan West Bengal, undertake main field preparation and transplanting of rice. Keep the Jute plants bundle submerged in fresh & flowing water with concrete or stone stack for good quality fiber.
- In Gangetic West Bengal, complete the transplanting of Aman wet seeded paddy within the first week of August. In Coastal Saline Zone, if main field is flooded, arrange for drainage facilities to remove excess water, wait for 2-3 days till the water is drained out and then start transplanting.

Maharashtra

- As rain/thundershowers likely at most places over Konkan & Goa during the period, along with heavy rain at isolated places on 3rd, 4th, 6th and 7th August, avoid intercultural operation and application of plant protection measures and fertilizers to the standing crops.
- In south Konkan, maintain water level of 5 cm by bunding rice field. If required, provide water from outside source such as wells, ponds, rivers etc. In North Konkan, maintain water level of 3-5 cm by bunding rice field. Apply one third dose of Urea @ 720 g to 870 g per Are area to vegetable crops after current spells of rain.
- In Madhya Maharashtra, maintain 2-3 cm water level in rice fields. Apply protective irrigation to standing crops as per requirement in Pune, Solapur, Sangli and Satara districts. Continue intercultural operation like weeding in transplanted rice, nagli and groundnut.
- In Marathwada, during moisture stress condition, spray of Potassium Nitrate @ 200 g per 10 liter of water in 30 days soybean old crop. To control attack of girdle beetle and leaf eating caterpillar spray Triazophos 40 % @ 13 ml or Chlorantraniliprole 18.5 % @ 4 ml per 10 liter of water. Undertake intercultural operations like weeding in kharif sorghum, pearl millet and sugarcane. Also irrigate standing crops as per availability of water.
- In West Vidarbha, undertake intercultural operations (hand weeding/hoeing) in soybean. Opening of conservation furrows is advisable 30 days old crop. To manage the initial incidence of leaf eating caterpillar, spray Azadiractin 300 ppm @ 50 ml per 10 litres of water. For control of tobacco leaf eating caterpillar, erect pheromone traps (2 to 3 /acre) in soybean field. In East Vidarbha, Maintain 2-3 cm water level in rice fields. Undertake intercultural operation like weeding in pigeon pea.

Gujarat

- Rough to very rough Sea conditions are likely to prevail along & off Gujarat coast. Fishermen are advised not to venture into sea over this area.
- In South Gujarat, maintain 2-3 cm water level in transplanted rice field. For effective control of semi-looper, complete sowing of castor by 15th August. Undertake intercultural operations in pigeon pea, green gram, black gram, cowpea and castor crops.
- In Middle Gujarat, maintain 5 cm water level in transplanted rice field. Undertake sowing of castor, sorghum and cluster bean crops. Continue transplanting of tomato, brinjal and chilli crops.
- In Saurashtra & Kutch, undertake sowing of castor, sorghum and cluster bean crops.

Madhya Pradesh

- In West Madhya Pradesh, continue transplanting of brinjal, chilli, tomato, early cauliflower and kharif onion. Continue transplanting of rice.
- In East Madhya Pradesh, complete sowing of kharif crops like sorghum, sesame, maize, soybean and groundnut. Continue transplanting of rice.
- In Kymore Plateau and Satpura Hill Zone, continue direct sowing of rice. Continue sowing of green gram and black gram.

Jammu & Kashmir

- Undertake second hoeing/weeding in rice where the crop is at 35 days after transplanting and apply 2nd dose of nitrogenous fertilizer as top dressing. Continue planting of new orchards and gap filling. Provide adequate drainage facility in pulses and saffron fields.
- Weather is congenial for attack of stem borer in paddy. If observed apply Carbofuron 3G @ 20 kg/ha in standing water and do not drain or irrigate the field for 72 hours after application.

Punjab, Haryana & Delhi

- In Punjab, continue sowing of *kharif* moong and mash. Continue sowing of radish in Western Plain Zone.
- In Haryana, complete transplanting of rice. Undertake intercultural operations in guar and bajra.. Continue intercultural operations in sugarcane in clear weather.
- In Delhi, undertake sowing of green gram and black gram. Undertake transplanting of onion. Continue sowing of bajra, cluster bean, spinach, radish, coriander, amaranths and lady finger. Continue sowing of baby corn and sweet corn. Drain out excess water from pulses and vegetable fields.