

Advisory for DD Kisan dated 24.07.18

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

Significant Weather Features

- The well marked low pressure area over northwest Madhya Pradesh and adjoining south Uttar Pradesh now lies as a low pressure area over the same region. The associated cyclonic circulation extends upto 5.8 km above mean sea level.

The system is likely to move west-northwestwards gradually and thereby cause widespread rainfall with isolated heavy to very heavy falls over western parts of Madhya Pradesh, East Rajasthan and Gujarat region during next 2-3 days. It is also likely that the system may become more marked once again during next 48 hours and cause widespread rainfall with heavy to very heavy rainfall over Haryana, Chandigarh & Delhi, Punjab, Himachal Pradesh and Uttarakhand on 25th and 26th July.

Likely northward shift in the eastern end of the monsoon trough would cause enhanced rainfall over northeastern states during next 5 days.

- Heavy to very heavy rainfall occurred at isolated places over Tripura, East Rajasthan & Coastal Karnataka and heavy rainfall occurred at isolated places over Himachal Pradesh, Punjab, Assam & Meghalaya, Arunachal Pradesh, north Konkan, South Interior Karnataka and Kerala from 0830 hrs IST of yesterday to 0830 hrs 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, East Rajasthan, Madhya Pradesh, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Vidarbha, Coastal Karnataka, Kerala, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Sub- Himalayan West Bengal & Sikkim; at many places over Punjab, Interior Karnataka, Bihar, Telangana, Gangetic West Bengal and Assam & Meghalaya; at a few places over Haryana, Chandigarh & Delhi, Uttar Pradesh, Marathwada, Chhattisgarh, Odisha, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Saurashtra & Kutch and Andaman & Nicobar Islands and at isolated places over Rayalaseema and Lakshadweep.
- Rainfall recorded at 0830 hours IST of today (4 cm or more) are: Sawai Madhopur-10; Pachmarhi and Agumbe- 9 each; Sohra, Sundernagar, Kota and Kochi-7 each; Dehradun, Guna, Hoshangabad and Malda-6 each; Jammu, Jaipur, Ujjain, Sagar, Satna, Jabalpur, Purnea and Valparai-5 each and Jhansi, Shajapur, Damoh, Narsinghpur, Mahabaleshwar, Honavar, Karipur, Vallanikara, Itanagar, North Lakhimpur, Dibrugarh, Agartala and Canning-4 each.

5 Day Rainfall Forecast (Mid-day)

24th July 2018

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

% Station Reporting Rainfall

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

Weather Warning

- **24 July (Day 1):** Heavy to very heavy rain at isolated places very likely over Himachal Pradesh, East Rajasthan, West Madhya Pradesh, Nagaland, Manipur, Mizoram & Tripura and Gujarat Region; heavy rain at isolated places over Punjab, Uttar Pradesh, East Madhya Pradesh, Bihar, West Bengal, Assam & Meghalaya, Madhya Maharashtra, Konkan & Goa, Coastal & South Interior Karnataka and Kerala.
- **25 July (Day 2):** Heavy to very heavy rain at isolated places very likely over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, East Rajasthan, West Madhya Pradesh, Nagaland, Manipur, Mizoram & Tripura and Gujarat Region; heavy rain at isolated places over Uttarakhand, West Uttar Pradesh, West Rajasthan, Bihar, West Bengal and Assam & Meghalaya.
- **26 July (Day 3):** Heavy to very heavy rain at isolated places very likely over Uttarakhand, Punjab, East Rajasthan, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; heavy rain at isolated places over Himachal Pradesh, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Rajasthan, West Madhya Pradesh, Bihar and Arunachal Pradesh.

- **27 July (Day 4):** Heavy to very heavy rain at isolated places likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; heavy rain at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, East Rajasthan and Arunachal Pradesh.
- **28 July (Day 5):** Heavy to very heavy rain at isolated places likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; heavy rain at isolated places over Gangetic West Bengal and Arunachal Pradesh.

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

Sate-wise Advisories

Jammu & Kashmir

- In Sub Tropical Zone, continue transplanting of rice seedlings. Drain out excess water from maize, mash field and vegetables (okra, bitter gourd/bottle gourd).
- In Intermediate Zone, keeping in view possibility of rains during next 5 days, postpone intercultural operations in maize crop till the suitable conditions appear for intercultural operations, provide proper drainage in maize crop field, and postpone sowing of mash crop till the suitable conditions appear for sowing.

Bihar

- In South Bihar Alluvial Zone, continue land preparation and sowing of pulses like arhar (variety : Malviyae arhar, Narendra arhar-1,Pusa -9), mung (variety: HUM-16) and Urd (variety: Pant urd 30,31,35 and shekhar). Undertake transplanting of rice with seedling of 25-28 days old.

West Bengal

- In Coastal Saline Zone, drain out excess water from already transplanted rice field. Continue main field preparation and transplanting of Aman rice. Undertake sowing of tomato (variety: Avinash-2, 448) in upland areas.

Karnataka

- In Coastal Karnataka, drain out excess water from standing crop fields. Undertake intercultural operations in 25-35 days old maize and cotton crops.
- In South Interior Karnataka, continue nursery preparation for rice (MTU-1010, Rashi) and ragi (Indaf-5&9, MR-6, GPU-28&66, KMR-301). Complete sowing of groundnut, red gram, foxtail millet, Little millet, Khodo millet, ragi (direct sowing), castor, cotton, cowpea, green gram, black gram, horse gram, field bean, sesamum, jowar crops.

Assam

- Undertake transplanting of 25-30 days old Sali rice seedlings. Proper arrangement for water drainage should be done. Provide mechanical support to sugarcane to prevent lodging. Continue sowing of pigeon pea (variety: T-21) during this month. 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 N2 + 50% K2O as top dressing during the tillering stage.

Maharashtra

- In view of realized and expected rain at isolated places over Konkan, drain out excess water from orchards and vegetable fields.
- To control attack of pink bollworm in irrigated cotton (30 to 45 DAS (Days after sowing), spray 5 % Neemark in Madhya Maharashtra, Marathwada and Vidarbha on a non rainy day. Also install five pheromone traps per acre in cotton fields.
- For surveillance and control of pink boll worm incidence in cotton, erect 15 to 20 pheromone traps/ ha in cotton procurement centre and ginning factory in Madhya Maharashtra, Marathwada and Vidarbha.
- In Konkan, complete transplanting of rice seedling, continue transplanting of nagli. Transplanting should be done by dibbling method.
- In Madhya Maharashtra, complete transplanting of 20 to 25 days old rice seedlings. Undertake intercultural operation like weeding in transplanted rice, groundnut and soybean. Complete preparatory tillage and undertake for Adsali sugarcane (varieties Co.86032 (Nira) and Co.M.0265(Phule 265))
- In Marathwada, undertake thinning in pigeonpea. Also undertake intercultural operation like weeding in groundnut. To control sigatoka in banana plantation, spray Propiconazole @ 1 ml per liter of water along with sticker.
- In West Vidarbha, drain out excess water from standing crops wherever necessary. undertake 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. To control initial incidence of leaf eating caterpillar in soybean, 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 field.
In East Vidarbha, complete transplanting of 22 to 25 days old rice seedlings. Drain out excess water wherever necessary.

Gujarat

- In South Gujarat, drain out excess water from the maize, sugarcane, green gram, black gram, ginger, turmeric and vegetable crop fields. Continue transplanting of rice. Continue sowing of pigeon pea, green gram, black gram, cowpea and castor crops after current spells of heavy rain.
- In North Sourashtra Zone, undertake sowing of *kharif* Castor (GC-3,GCH-4,6,7) and Pigeon pea (BDN-2, Vaishali,GJP-1).

Madhya Pradesh

- In West Madhya Pradesh, complete sowing of red gram, maize, green gram, black gram, pearl millet and soybean. Undertake transplanting of rice. Provide proper drainage facility in pulses and oilseed fields.
- In East Madhya Pradesh, continue sowing of *kharif* crops like sorghum, sesame, maize, soybean and groundnut. In Kymore Plateau and Satpura Hill Zone, continue direct sowing of rice.

Rajasthan

- In East Rajasthan, in view of expected heavy to very heavy rain at isolated places drain out excess water from standing crops. Complete sowing of crops like red gram, green gram, cowpea, moth, pearl millet, sesame, sorghum, maize & cluster bean after current spells of heavy rain. Complete transplanting of rice in Transition Plain Zone of Inland.
- In West Rajasthan, in view of expected rain, conserve rain water for future use. Withheld the irrigation in groundnut for few days. Make provision for proper drainage of stagnant rain water from the fields.