

Advisory for DD Kisan dated 12.10.18

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

Significant Weather Features

- The Deep Depression over Odisha moved east-northeastwards in past six hours with a speed of 13 kmph, and lay centred at 0830 hrs IST of today, the 12th October 2018 over Odisha near latitude 20.6°N and longitude 84.9°E, 60 km east-northeast of Phulbani and 30 km southwest of Angul. It is very likely to move northeastwards towards Gangetic West Bengal and weaken into a depression during next 06 hours.
- The Very Severe Cyclonic Storm 'LUBAN' over westcentral Arabian Sea moved westwards during past 06 hours with a speed of 04 kmph, weakened into a severe cyclonic storm and lay centered at 0830 hrs IST of today, the 12th October 2018 over westcentral Arabian Sea, near latitude 14.7°N and longitude 57.4°E, about 440 km east-southeast of Salalah (Oman), 440 km east-northeast of Socotra Islands (Yemen), 590 km eastsoutheast of Al-Ghaidah (Yemen) and 860 km east of Riyan (Mukalla). It is very likely to move west-northwestwards and cross Yemen Coast between Riyan (Mukalla) and Al-Ghaidah (Yemen), close to 15°N during noon/afternoon of 14th October 2018 as a severe cyclonic storm.
- In view of the above two Weather systems, fishermen are advised not to venture into west central and adjoining north Bay of Bengal, Odisha, West Bengal coasts during next 24 hours, over West Central Arabian Sea during next 3 days.

Realised Rainfall

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

- Rain/thundershowers observed at most places over Uttarakhand, Odisha, West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Jharkhand and Andaman & Nicobar Islands; at many places over Jammu & Kashmir, Himachal Pradesh, Assam & Meghalaya and Chhattishgarh; at a few places over Arunachal Pradesh and at isolated places over West Uttar Pradesh, Haryana, Chandigarh & Delhi, Coastal Andhra Pradesh, East Madhya Pradesh Kerala and Lakshadweep.
- Heavy to very heavy rainfall observed at a few places over Odisha and at isolated places over Bihar and Kerala

5 Day Rainfall Forecast (Mid-day) 12th October 2018

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

% 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

- 12 October (Day 1):** Heavy to very heavy rain with extremely heavy falls very likely at isolated places over Odisha; heavy to very heavy rain at isolated places over Gangetic West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; heavy rain likely at isolated places over Jharkhand, Sub-Himalayan West Bengal and Arunachal Pradesh.

Squally wind speed of 45-55 kmph gusting to 65 kmph very likely along & off Odisha and West Bengal and 35-45 kmph gusting to 55 kmph likely over adjoining areas of north interior Odisha during next 12 hours.

The Sea conditions will be rough to very rough along & off West Bengal and north Odisha Coasts during next 24 hours.

The fishermen are advised not to venture into Sea along and off Odisha and West Bengal coasts and north Bay of Bengal during next 24 hours.

Gale wind speed reaching 100-110 kmph gusting to 125 prevails over westcentral Arabian Sea around system centre. It will become 110-120 kmph gusting to 135 kmph by 12th October 2018 midnight.

The sea condition is very high around the system centre. It will continue to be very high over westcentral Arabian Sea & adjoining Gulf of Aden.

The fishermen are advised not to venture into westcentral Arabian Sea & Gulf of Aden

- **13 October (Day 2):** Heavy to very heavy rain very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and heavy rain likely at isolated places over Bihar, West Bengal & Sikkim and Arunachal Pradesh.

Gale wind speed reaching 110-120 kmph gusting to 135 kmph around system centre over westcentral Arabian Sea & adjoining Gulf of Aden around system centre.

The sea condition will continue to be very high westcentral Arabian Sea & adjoining Gulf of Aden.

The fishermen are advised not to venture into westcentral Arabian Sea & Gulf of Aden.

- **14 October (Day 3):** Heavy rain likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Kerala.

Gale wind speed reaching 110-120 kmph gusting to 135 kmph around system centre over westcentral Arabian Sea & adjoining Gulf of Aden around system centre. Gale wind speed reaching 110-120 kmph gusting to 135 is very likely along & off Yemen & adjoining south Oman coasts at the time of landfall.

The sea condition will continue to be very high over westcentral Arabian Sea & adjoining Gulf of Aden. till 14th October evening and improve rapidly thereafter.

The fishermen are advised not to venture into westcentral Arabian Sea & Gulf of Aden.

- **15 October (Day 4):** Heavy rain likely at isolated places over coastal Andhra Pradesh, Tamilnadu and Kerala.
- **16 October (Day 5):** Heavy rain likely at isolated places over coastal Andhra Pradesh, Coastal Karnataka, Tamilnadu and Kerala.

Thunderstorm accompanied with hailstorm at isolated places over Jammu & Kashmir.

Advisory for Fishermen

- In view of the two Weather systems - Deep Depression over Odisha and very Severe Cyclonic Storm 'LUBAN' over westcentral Arabian Sea, fishermen are advised not to venture into west central and adjoining north Bay of Bengal, Odisha, West Bengal coasts during next 24 hours, over West Central Arabian Sea during next 3 days.

Salient advisories

- In Odisha, in view of heavy rainfall due to Cyclonic Storm 'Titli', arrange for adequate drainage channels in standing crop fields to remove excess water and keep harvested produce at safer places.

Postpone application of fertilizers in rice crop. Arrange for propping in sugarcane, banana, papaya crops to prevent lodging due to strong winds. Maintain water level upto 5cm in rice fields.

- As rain/thundershowers likely at most places over Nagaland, Manipur, Mizoram & Tripura from 12th to 14th, over Odisha on 12th, over Gangetic West Bengal on 12th and 13th, at most/many places over Kerala during the period, over Coastal Karnataka on 15th and 16th, over Arunachal Pradesh and Assam & Meghalaya from 12th to 14th, at many places over Tamil Nadu & Puducherry and South Interior Karnataka on 15th and 16th, over Sub-Himalayan West Bengal & Sikkim on 12th and 13th, over Andaman & Nicobar Islands and Jharkhand on 12th, along with heavy to very heavy rain with extremely heavy falls very likely at isolated places over Odisha on 12th, heavy to very heavy rain at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 12th and 13th, over Gangetic West Bengal on 12th, heavy rain likely at isolated places over Arunachal Pradesh from 12th to 14th, over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura on 14th, over Jharkhand, Sub-Himalayan West Bengal on 12th, over Bihar, West Bengal & Sikkim on 13th, over Kerala from 14th to 16th, over Coastal Andhra Pradesh, Tamilnadu on 15th and 16th, over Coastal Karnataka on 16th October, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water stagnation. Keep harvested produce at safe places.
- As rain/thundershowers likely at many places over Jammu & Kashmir on 16th October, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops.
- As thunderstorm accompanied with hail storm likely at isolated places over Jammu & Kashmir on 16th October, use hail net for orchard crops to protect from mechanical damage. Provide support to young fruit plants and staking in vegetables to prevent the crops from lodging due to strong winds and keep cattle indoor. Keep harvested produce at safer places.

State-wise Advisories

Nagaland and Tripura

- In Tripura, continue harvesting of maize after current spells of heavy rain.
- In Nagaland, undertake sowing of rabi maize, toria and mustard after rains.

Jammu & Kashmir

- In Valley Temperate Zone, continue harvesting of matured rice crop, green cobs of maize, pulses and matured sunflower. Undertake sowing of pea and land preparation for sowing of rabi crops.
- In Sub Tropical Zone, to control Sheath blight in late transplanted basmati, apply Cabendazim @ 0.1%. Undertake harvesting of matured pulses.

Uttarakhand

- Undertake sowing of mustard. Continue harvesting of early and medium varieties of rice. Continue sowing of toria.
- In Hill Zone, continue sowing of pea and toria. Continue harvesting of matured crops.

Himachal Pradesh

- Continue harvesting of matured rice, maize and pulses. Continue field preparation for sowing of early mustard and pea in plain areas.

Punjab, Haryana & Delhi

- In Punjab, apply irrigation in rice, vegetables and fruit crops. Continue harvesting of matured maize. Continue planting of early varieties of potato and pea. Continue planting of early varieties of sugarcane. Undertake harvesting of matured rice in Central Plain Zone.
- In Haryana, continue field preparation for sowing of mustard. Continue harvesting of timely sown bajra, guar, green gram, black gram and picking up of matured cotton bolls.
- In Delhi, undertake harvesting of matured rice. Undertake planting of winter sugarcane at optimum soil moisture for better seed germination. Undertake sowing of gram on raised bed. Continue field preparation for sowing of rabi crops.

Uttar Pradesh

- In East Uttar Pradesh, continue sowing of toria. Continue harvesting of matured maize, sesame, green gram and black gram. Apply irrigation in rice.
- In West Uttar Pradesh, continue sowing of toria. Undertake sowing of pea and mustard under optimum soil moisture conditions.

Odisha

- In view of heavy rainfall due to Cyclonic Storm 'Titli', arrange for adequate drainage channels in standing crop fields to remove excess water and keep harvested produce at safer places. Postpone application of fertilizers in rice crop. Arrange for propping in sugarcane, banana, papaya crops to prevent lodging due to strong winds. Maintain water level upto 5cm in rice fields.
- In North Central Plateau Zone, undertake harvesting of matured rice, groundnut, green gram and black gram after current spells of heavy rain.

Bihar

- Continue harvesting of matured kharif maize. Continue sowing of early potato and toria. Undertake sowing of mustard and rapeseed and land preparation for planting of sugarcane.

Jharkhand

- Continue sowing of rabi crops like toria with assured irrigation facility. Undertake sowing of gram, mustard, lentil and linseed. To control gundhi bug in rice apply Quinalphos 1.5% dust @ 25 kg/ha or spray Quinalphos 25 EC @ 1.5 litre/500 litres of water on a non rainy day.

Gujarat

- In Middle Gujarat, continue harvesting of matured pearl millet crop. Apply irrigation in pigeon pea, cluster bean crop.
- In North Gujarat, undertake land preparation for sowing of mustard, fennel and carrot crops. Complete harvesting of groundnut, sesame, bajra, maize, cow pea and green gram crops.
- In Saurashtra & Kutch, undertake land preparation for sowing of mustard. Carry out sowing of rabi sorghum, garlic, chickpea where irrigation facility is available. Complete harvesting of matured groundnut, sesame, soybean, bajra, green gram and black gram crops.

Maharashtra

- In Konkan, maintain water level of 5-10 cm in rice field. Continue harvesting of early varieties of rice.
- In Madhya Maharashtra, apply protective irrigation to tur, sorghum and cotton. Continue preparatory tillage operations for rabi sorghum, gram and safflower. In rice fields, maintain water level 5 to 10 cm. Continue harvesting of matured soybean and pearl millet. Undertake sowing of wheat (varieties- NIAW-301 (Trimbak), NIAW-917 (Tapowan), NIDW-295 (Godavari). Late sowing- NIDW-15 (Panchavati)) between 15th October to 15th November. Continue harvesting of matured soybean and pearl millet.
- In Marathwada, undertake land preparation for sowing of wheat. As per availability of water, undertake sowing of chickpea crop and safflower after irrigating the field. Continue harvesting of kharif soybean, sorghum and pearl millet.
- In West Vidarbha, apply protective irrigation to vegetables and orchards, to minimize soil moisture stress in cotton (boll development stage), undertake foliar spray of 1% KNO₃ or 1.5% sulphate of potash. Avoid spraying on burst bolls. Continue harvesting of short duration matured soybean.
- In East Vidarbha, Maintain water level 5 to 10 cm in rice fields. Continue harvesting of matured soybean.

Andhra Pradesh

- In Coastal Andhra Pradesh, undertake land preparation in upland and procure seeds for sowing of rabi pulses. Provide irrigation to bajra and BT cotton crops wherever such facilities are available.
- In Rayalaseema, undertake sowing of rabi red gram (varieties like LRG 52, ICPL 85063, ICP 8863, PRG 176) in left over fields in the district under assured irrigation.
- In Rayalaseema, to control Stem borer in rice, spray Chloripyrifos 2.5 ml or Cartap Hydrochloride @ 2 g per litre of water. To control late leaf spot in groundnut, spray Hexaconazole @ 2 ml/litre of water.

Telangana

- Undertake sowing of rabi groundnut under irrigated situation.
- To control Hispa, in rice, spray Quinalphos or Profenophos @ 2 ml or Chlorpyrifos @ 2.5 ml per litre of water; for stem borer apply Cartap Hydrochloride 4g @ 8kg per acre and for leaf folder spray Chlorantriliprole @ 0.3 ml per liter of water.

Karnataka

- In North Interior Karnataka, continue sowing of rainfed wheat (Bijga yellow, DWR-137 (kiran), DWD-2006), Bengal gram (JG ICCV-10, JG-11, Annegeri-1, BGD- 103 ,GBM-2), sunflower, sorghum (Maldandi Muguti, DSV-4, DSV-5 or Hybrid- DSH- 4), chickpea (A-1, GBS-964, JG-11, JG-11, BGD-103, GB-1105), safflower (A-1, A-2, S-144, A-300), red gram crops. Complete harvesting of soybean.
- In South Interior Karnataka, continue harvesting of matured groundnut crop after current spells of rain. Continue land preparation for sowing of rabi crops. In rice field, maintain 2.5 to 5 cm water level to reduce the weed infestation.