

**Advisory for DD Kisan dated 13.11.18**  
**(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)**

**Significant Weather Features**

- The Cyclonic Storm 'GAJA' over Westcentral and adjoining Eastcentral & South Bay of Bengal moved west northwestwards with a speed of 04 kmph during past 06 hours and lay centered at 0830 hours IST of today, the 13th November, 2018 over westcentral and adjoining east central and south Bay of Bengal near latitude 13.3°N and longitude 87.1°E, about 740 km east northeast of Chennai (Tamilnadu) and 830 km east-northeast of Nagapattinam (Tamilnadu). It is likely to intensify further into a Severe Cyclonic Storm during next 24 hours. It is very likely to move west southwestwards. While moving west-southwestwards, it is likely to weaken gradually on 15th November and cross Tamilnadu coast between Cuddalore and Pamban as a Cyclonic Storm during 15th November afternoon.
- Under the influence of the above system heavy rainfall at isolated places likely to commence over south Coastal Andhra Pradesh & coastal Tamilnadu from 14th evening onwards. Heavy to very heavy rain at a few places with extremely heavy rain at isolated places likely over Tamilnadu and heavy to very heavy rain at isolated places over Kerala; heavy rain at isolated places over south Coastal Andhra Pradesh, Rayalaseema on 15th November and heavy rain at a few places with very heavy rain at isolated places likely over interior Tamilnadu, Kerala and heavy rain at isolated places over South Interior Karnataka on 16th November.
- The remnant of the above system after landfall is likely to emerge as a low pressure area over southeast Arabian Sea around 17th November.
- Moderate fog observed at isolated places over Tripura. **Visibility:** Imphal -500 M at 0530 hours IST of today.

## Realised Rainfall

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

- Rain/thundershowers observed at many places over Andaman & Nicobar Islands; at a few places over Jammu & Kashmir and Kerala and at isolated places over Himachal Pradesh, Haryana, Chandigarh & Delhi and West Rajasthan.

### 5 Day Rainfall Forecast (Mid-day) 13<sup>th</sup> November 2018

Met-Sub-Division	13-Nov Today	14Nov Wed	15Nov Thu	16Nov Fri	17Nov Sat
1. Andaman & Nicobar Islands	SCT	SCT	SCT	SCT	SCT
2. Arunachal Pradesh	ISOL	ISOL	SCT	FWS	SCT
3. Assam & Meghalaya	DRY	ISOL	ISOL	ISOL	ISOL
4. N. M. M. & T.	DRY	DRY	DRY	DRY	DRY
5. S.H. West Bengal & Sikkim	ISOL	ISOL	ISOL	ISOL	ISOL
6. Gangetic West Bengal	DRY	DRY	DRY	DRY	DRY
7. Odisha	DRY	DRY	DRY	DRY	DRY
8. Jharkhand	DRY	DRY	DRY	DRY	DRY
9. Bihar	DRY	DRY	DRY	DRY	DRY
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	ISOL	ISOL	DRY	DRY	DRY
12. Uttarakhand	SCT	ISOL	DRY	DRY	DRY
13. Haryana, Chd & Delhi	SCT	ISOL	DRY	DRY	DRY
14. Punjab	SCT	ISOL	DRY	DRY	DRY
15. Himachal Pradesh	FWS	FWS	DRY	DRY	DRY
16. Jammu & Kashmir	WS	FWS	ISOL	DRY	ISOL
17. West Rajsthan	ISOL	DRY	DRY	DRY	DRY
18. East Rajasthan	ISOL	ISOL	DRY	DRY	DRY
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	DRY	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	DRY	DRY	DRY	DRY	DRY
28. Coastal Andhra Pradesh	DRY	ISOL	SCT	SCT	ISOL
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	FWS	SCT	ISOL
31. Tamilnadu & Puducherry	ISOL	SCT	WS	WS	FWS
32. Coastal Karnataka	DRY	DRY	ISOL	ISOL	SCT
33. North Interior Karnataka	DRY	DRY	DRY	ISOL	ISOL
34. South Interior Karnataka	DRY	DRY	ISOL	FWS	FWS
35. Kerala	ISOL	ISOL	FWS	WS	WS
36. Lakshadweep	DRY	DRY	ISOL	FWS	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

- **13 November (Day 1):** Gale wind speed reaching 70-80 kmph gusting to 90 kmph is very likely to prevail over west central and adjoining east central & south Bay of Bengal. Sea conditions is very likely to be high over west central and adjoining east central & south Bay of Bengal. Fishermen are advised not to venture into the above mentioned areas. Fishermen who are in deep sea are advised to return to coasts. Total suspension of fishing operations along & off Tamil Nadu and adjoining Andhra Pradesh coasts.
- **14 November (Day 2):** Heavy rain very likely at isolated places over coastal Tamilnadu and south Coastal Andhra Pradesh. Gale wind speed reaching 90-100 kmph gusting to 110 kmph very likely over southwest & adjoining westcentral and southeast Bay of Bengal. Squally winds speed reaching 45-55 kmph gusting to 65 kmph very likely along & off north Tamilnadu & Puducherry and adjoining south Andhra Pradesh coasts . Sea conditions is likely to be very high over southwest & adjoining westcentral & southeast Bay of Bengal and rough to very rough along & off Tamil Nadu-south Andhra Pradesh Coast. Fishermen are advised not to venture into the above mentioned areas. Total suspension of fishing operations along & off Tamil Nadu and adjoining Andhra Pradesh coasts.
- **15 November (Day 3):** Heavy to very heavy rain at a few places with extremely heavy rain at isolated places likely over Tamilnadu & Puducherry; heavy to very heavy rain at isolated places over Kerala; heavy rain at isolated places over south Coastal Andhra Pradesh and Rayalaseema. Gale wind speed reaching 80-90 kmph gusting to 100 kmph likely along & off north Tamil Nadu and Puducherry coasts. Sea conditions very likely to be high along & off Tamil Nadu & Puducherry coasts. Fishermen are advised not to venture into the above mentioned areas. Total suspension of fishing operations along & off Tamil Nadu and adjoining Andhra Pradesh coasts.
- **16 November (Day 4):** Heavy rain at a few places with very heavy rain at isolated places likely over Tamilnadu & Puducherry; heavy to very heavy rain at isolated places over Kerala and heavy rain at isolated places over South Interior Karnataka. Strong wind speed reaching 30-40 kmph gusting to 50 kmph likely over interior Tamilnadu, south Kerala, southeast Arabian Sea along & off Kerala coast, Comorin area, Gulf of Mannar and Palk Strait.
- **17 November (Day 5):** Heavy rain likely at isolated places over Lakshadweep area. Strong wind speed reaching 30-40 kmph gusting to 50 kmph likely over southeast Arabian Sea and along & off Kerala coast.

## Salient advisories

- The Cyclonic Storm 'GAJA' over Westcentral and adjoining Eastcentral & South Bay of Bengal moved west northwestwards with a speed of 04 kmph during past 06 hours and lay centered at 0830 hours IST of today, the 13th November, 2018 over westcentral and adjoining east central and south Bay of Bengal near latitude 13.3°N and longitude 87.1°E, about 740 km east northeast of Chennai (Tamilnadu) and 830 km east-northeast of Nagapattinam (Tamilnadu). It is likely to intensify further into a Severe Cyclonic Storm during next 24 hours. It is very likely to move west southwestwards. While moving west-southwestwards, it is likely to weaken gradually on 15th November and cross Tamilnadu coast between Cuddalore and Pamban as a Cyclonic Storm during 15th November afternoon.
- Under the influence of the above system heavy rainfall at isolated places likely to commence over south Coastal Andhra Pradesh & coastal Tamilnadu from 14th evening onwards. Heavy to very heavy rain at a few places with extremely heavy rain at isolated places likely over Tamilnadu and heavy to very heavy rain at isolated places over Kerala; heavy rain at isolated places over south Coastal Andhra Pradesh, Rayalaseema on 15th November and heavy rain at a few places with very heavy rain at isolated places likely over interior Tamilnadu, Kerala and heavy rain at isolated places over South Interior Karnataka on 16th November.
- **Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Keep harvested produce at safer places.**
- As heavy wind with rain is anticipated, provide adequate support to the banana and sugarcane of above five months in Tamilnadu.
- In view of the cyclonic storm, the poultry farmers in Namakkal and Erode districts of Tamilnadu and adjoining districts are requested to take immense care of their birds in the raised platform to prevent any loss of birds by carefully covering the sides with curtains. They are also cautioned to prepare sufficient feed in advance for subsequent 3-4 days and store such feed in safe and dry places.
- The farmers who have chicks and growers are advised to look after preventively from the effects of rains with winds during 14.11.2018, 15.11.2018 and 16.11.2018.
- The farmers who have dairy cattle, sheep and goats are advised not to send their animals for grazing in these days.
- Gale wind is very likely to prevail over west central and adjoining east central & south Bay of Bengal from 13<sup>th</sup> to 15<sup>th</sup> November 2018. Sea conditions is very likely to be high over west central and adjoining east central & south Bay of Bengal. Fishermen are advised not to venture into the above mentioned areas. **Fishermen who are in deep sea are advised to return to coasts. Total suspension of fishing operations along & off Tamil Nadu and adjoining Andhra Pradesh coasts.**
- As rain likely at most /many places over Jammu & Kashmir and Himachal Pradesh on 13th and 14th, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Keep harvested produce at safe places.
- In Valley Temperate Zone of Jammu & Kashmir, farmers are advised to arrange drainage in the fields wherever there is possibility of water accumulation, also withhold all the field operations till the soil dries and the field becomes workable.

## State-wise Advisories

### Arunachal Pradesh:

- Continue harvesting of matured black gram and kharif rice. Continue sowing of pea/gram in rice fallow.

### Manipur:

- Continue harvesting of rice. Drain out water from the crop field 10-15 days before expected date of harvesting. Take up sowing of mustard and rapeseed just after harvesting of rice, soybean, groundnut, black gram, rice bean etc.

### Mizoram:

- Continue harvesting of upland rice, sowing of radish and leafy mustard.
- Due to high humidity the problem of citrus canker gets aggravated in acid lime leading to excessive fruit drop. Spray Copper oxychloride 180 gms with Streptocycline 6 gms in 60 litres of water to control canker.

### Tripura:

- Continue harvesting of maize.
- For blast disease in Aman rice at panicle emergence stage, apply combination of Carbendazim and Mancozeb @ 1.5 gm per litre of water as prophylactic measure. In case of severe attack apply Tricyclazole 0.8 gm or Propiconazole 1 ml per litre of water. Repeat the application at 10 to 12 days interval if needed.

### Nagaland:

- Complete sowing of rabi maize and mustard.
- For management of blast disease in TRC/WRC rice, destroy the infested residue, stubbles, grass and weeds present in the bunds of the field as they act as a source for the infection.

### Jammu & Kashmir

- In Valley Temperate Zone, farmers are advised to provide drainage channels in the fields wherever there is possibility of water accumulation, also withhold all the field operations till the soil dries and the field becomes workable.
- In view of untimely snowfall in the valley, orchard growers in the valley are advised to undertake the following measures:
  - Drain out excess water from the orchards by making drainage channels.
  - If the fruit trees have tilted, reduce the canopy load by pruning and provide proper support to the plants.
  - If the trees are partially uprooted, slowly pull back the trees to the original position after heavy pruning and provide proper support/staking to the main trunk to prevent further fall/movement.
  - Fruits still on the trees may be harvested immediately for sale/storage. Clear the snow fallen on

heaped harvested fruit in orchards and store the fruits under proper cover (in sheds) to prevent it from frost injury. Fallen leaves and rotten fruits of apple and apricot should be buried under the soil.

### **Uttarakhand:**

- Continue harvesting and threshing of mature rice crop in sub humid sub tropic zone. Keep the harvested crops in the field in safe place for proper sun drying for one to two days.
- Continue early sowing of sugarcane crop. Harvest mature crop and send it to the sugar mills/crushers.

### **Uttar Pradesh**

- In East Uttar Pradesh, undertake sowing of mustard if not done and select seed varieties like-Varuna, Rohini, Kanti, Krushna, Vardaan, Vaibhav and Narendra Rai (8501). Use Captan or Thimmer 2.5 gm per Kg of seed before sowing. After 15-20 days of sowing maintain 15cm distance in crops. For sowing of gram use varieties like Radhe, K-850, Pant, Kabuli.
- In West Uttar Pradesh, undertake sowing of lentil, pea. Sowing of potato should be done as soon as possible.

### **Rajasthan**

- Weather conditions are favourable for sowing of lentil, mustard and gram,. Therefore, arrange seed, fertilizer and chemicals for seed treatment before sowing.
- In Arid Western Plain Zone, weather conditions are becoming favourable for sowing of mustard and gram. Therefore, arrange seed, fertilizer and chemicals for seed treatment before sowing. Also, harvest mature groundnut.
- In East Rajasthan, undertake field preparation for sowing of barley. Continue sowing of early pea, gram and mustard. Continue planting of fruit crops like mango, plum, pomegranate, amla etc. Continue harvesting of matured maize, black gram, green gram and soybean.
- Prepare field for sowing of wheat in Sub Humid Southern Plain and Aravali Hill Zone.

### **Odisha**

- Since the weather is expected to remain dry, harvest rice when 80-85% of the grains have matured and plants looks pale yellow in color. After harvesting, rice should be dried in the field for 2-3 days, threshed and stored at a moisture level of 12%.
- Take up sowing of rabi groundnut, sunflower, mustard and toria after necessary seed treatment. Take up sowing of onion in nursery bed @ 4 kg seeds/acre after treatment with Captan @ 2g/kg seeds.
- Continue land preparation for wheat varieties like Kalyansona, Sonalika and UP 262 with seed rate @ 40kg/acre.
- Undertake sowing of sesamum varieties like Kalika, Kanak, Uma, Binayak and GT-2 @ seed rate 3kg/acre.

### **Bihar**

- Continue nursery sowing of rabi onion.

- Continue land preparation and sowing of rabi maize, kidney beans and planting potato.
- Continue land preparation/sowing of wheat (varieties PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39) and gram (varieties Pusa-256, KPG-59 (Udai), and Pusa-372).
- In the areas where paddy crop is about to mature, irrigation should be stopped two weeks before harvesting. After harvesting, crop should be dried in the field for 2-3 days and thereafter threshing should be done. Grains should be properly dried to right moisture level before storing.

### **Madhya Pradesh**

- In East Madhya Pradesh, continue sowing of gram, lentil and linseed. Undertake planting of potato. Continue sowing of pea and mustard. Undertake sowing of wheat, early pea and garlic.
- In West Madhya Pradesh, prepare the fields and undertake sowing of wheat crop with seed rate of 40 kg/acre.
- Continue sowing of gram. Undertake sowing of mustard and rapeseed.

### **Karnataka**

- In South Interior Karnataka, continue harvesting of matured maize cobs, groundnut crops and arecanut. Continue sowing of sunflower, chickpea, safflower, field bean, cowpea, ragi, maize, Bengal gram, finger millet, horse gram and sorghum crops.
- In North Interior Karnataka, continue picking of cotton. Complete harvesting / threshing / sun drying of maize and late sown groundnut crops. Complete sowing of sorghum, bengal gram, sunflower, chickpea, safflower and irrigated wheat. Carry out weeding in 20-25 days old sorghum, chickpea and safflower crops.
- In Coastal Karnataka, continue harvesting of fully matured rice crop and sundry the produce. Continue picking of cotton.
- In Coastal Karnataka, deficiency of Potassium is noticed in rice crop in North Canara district; spray 1% Potassium (10 g Potassium Nitrate in 1 litre of water) in clear weather to overcome it.