

**Advisory for DDK is and dated 16.11.18**  
**(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)**

**Significant Weather Features**

- The Cyclonic Storm 'GAJA' over coastal Tamilnadu moved nearly westwards, and lay centred at 0830 hours IST of today, the 16th November 2018, over interior Tamilnadu near latitude 10.4°N and longitude 78.5°E, about 95 km west of Atiramapattinam and 110 km east-northeast of Kodaikanal. It is very likely to move nearly westwards and weaken into a deep depression during next 03 hours.
- The remnant of the above system after landfall is likely to emerge as a low pressure area over Southeast Arabian Sea around 17<sup>th</sup> November. It is likely to become more marked and move westwards during subsequent 24 hours.
- A fresh low pressure area is likely to form over central parts of south Bay of Bengal by the evening of 18th November.

## Realised Rainfall

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

- Rain/thundershowers observed at most places over Tamilnadu & Puducherry and Arunachal Pradesh; at many places over Rayalaseema ; at a few places over Assam & Meghalaya, Kerala, Coastal Andhra Pradesh and Andaman & Nicobar Islands; and at isolated places over Sub-Himalayan West Bengal & Sikkim.

### 5 Day Rainfall Forecast (Mid-day) 16<sup>th</sup> November 2018

Met-Sub-Division	16-Nov Today	17-Nov Sat	18-Nov Sun	19-Nov Mon	20-Nov Tue
1. Andaman & Nicobar Islands	FWS	WS	FWS	SCT	SCT
2. Arunachal Pradesh	WS	SCT	ISOL	DRY	DRY
3. Assam & Meghalaya	SCT	ISOL	ISOL	DRY	DRY
4. N. M. M. & T.	ISOL	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	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	DRY	DRY	DRY	DRY	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	DRY	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	DRY	DRY	ISOL	ISOL	DRY
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	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	ISOL	ISOL	ISOL
24. Madhya Maharashtra	DRY	DRY	ISOL	ISOL	ISOL
25. Marathwada	DRY	DRY	DRY	DRY	DRY
26. Vidharbha	DRY	DRY	DRY	DRY	DRY
27. Chhattisgarh	DRY	DRY	DRY	DRY	DRY
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	DRY	DRY	DRY	DRY
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	WS	SCT	FWS	FWS	WS
32. Coastal Karnataka	ISOL	ISOL	SCT	SCT	SCT
33. North Interior Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
34. South Interior Karnataka	SCT	SCT	SCT	SCT	SCT
35. Kerala	WS	FWS	FWS	FWS	FWS
36. Lakshadweep	FWS	WS	FWS	ISOL	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**

- **16 November (Day 1):** Heavy rain at a few places with very heavy rain at isolated places very likely over interior Tamilnadu and heavy to very heavy rain at isolated places over Kerala. Gale wind speed reaching 65-75 kmph gusting to 85 kmph likely over central parts of Tamilnadu during next 03 hours. It would gradually decrease becoming Squally wind speed reaching 50-60 kmph gusting to 70 kmph over these areas during subsequent 06 hours. Strong winds speed reaching 30-40 kmph gusting to 50 kmph likely over remaining parts of Tamilnadu , Kerala, Southeast Arabian Sea along & off Kerala Coast, Comorin area and Gulf Mannar. Sea condition is likely to be high to very high over southwest Bay of Bengal and along & off Tamilnadu & Puducherry coast and Palk Strait during next 09 hours. Fishermen are advised not to venture into these areas during this period. Moderate to dense fog is very likely at isolated places over Assam & Meghalaya.
- **17 November (Day 2):** Heavy rain very likely at isolated places over Lakshadweep. Squally weather very likely over southeast Arabian Sea, Lakshadweep area and along & off Kerala coast. Fishermen are advised not to venture into these areas.
- **18 November (Day 3):** Squally weather is likely over central parts of south Bay of Bengal. Squally wind speed reaching 35-45 kmph gusting to 55 kmph likely over Southeast Arabian Sea & Lakshadweep area. Fishermen are advised not to venture into the above mentioned areas.
- **19 November (Day 4):** Heavy rain likely at isolated places over coastal Tamilnadu & Puducherry. Squally wind speed reaching 35-45 kmph gusting to 55 kmph likely over Southeast Arabian Sea. Squally weather is likely over southwest Bay of Bengal. Fishermen are advised not to venture into the above mentioned areas.
- **20 November (Day 5):** Heavy to very heavy rain likely at isolated places over Tamilnadu & Puducherry. Squally weather is likely over southwest Bay of Bengal. Fishermen are advised not to venture into this area.

## Salient advisories

- The Cyclonic Storm 'GAJA' over coastal Tamilnadu moved nearly westwards, and lay centred at 0830 hours IST of today, the 16th November 2018, over interior Tamilnadu near latitude 10.4°N and longitude 78.5° E, about 95 km west of Atiramapattinam and 110 km east-northeast of Kodaikanal. It is very likely to move nearly westwards and weaken into a deep depression during next 03 hours.
- As gale wind speed reaching 65-75 kmph gusting to 85 kmph likely over central parts of **Tamilnadu** during next 03 hours. It would gradually decrease becoming Squally wind speed reaching 50-60 kmph gusting to 70 kmph over these areas during subsequent 06 hours. strong winds speed reaching 30-40 kmph gusting to 50 kmph likely over reaming parts of Tamilnadu, Kerala, Southeast Arabian Sea along & off Kerala Coast, Comorin area and Gulf Mannar. Sea condition is likely to be high to very high over southwest Bay of Bengal and along & off Tamilnadu & Puducherry coast and Palk Strait during next 09 hours. Fishermen are advised not to venture into these areas during this period.
- As squally weather very likely over **southeast Arabian Sea, Lakshadweep** area and along & off **Keralacoast** on 17<sup>th</sup>, over central parts of south Bay of Bengal on 18<sup>th</sup>. Squally wind speed reaching 35-45 kmph gusting to 55 kmph likely over Southeast Arabian Sea on 18<sup>th</sup> and 19<sup>th</sup> & over Lakshadweep area on 18<sup>th</sup>. Squally weather is likely over southwest Bay of Bengal on 19<sup>th</sup> and 20<sup>th</sup> November. Fishermen are advised not to venture into these areas.
- As rain/thundershowers likely at most/many places over **Kerala** during the period, over **Tamil Nadu** on 16<sup>th</sup>, 18<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup>, along with heavy rain at a few places with very heavy rain at isolated places very likely over interior Tamilnadu and heavy to very heavy rain at isolated places over Kerala on 16<sup>th</sup>, heavy to very heavy/heavy rain likely at isolated places over coastal Tamilnadu & Puducherry on 19<sup>th</sup> and 20<sup>th</sup> November, 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. Provide support to banana to avoid lodging as high wind is anticipated. Keep harvested produce at safe places.
- As rain/thundershowers likely at most/many places over **Andman & Nicobar Islands** from 16<sup>th</sup> to 18<sup>th</sup> November, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Keep harvested produce at safe places.
- As moderate to dense fog is very likely at isolated places over **Assam & Meghalaya** on 16<sup>th</sup> November, monitor the standing crops for incidence and spread of pest diseases, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake plant protection measures.

## State-wise Advisories

### Assam

- Continue planting of potato. Select sandy loam soil rich in organic matter for cultivation of potato. Continue sowing of rapeseed and mustard, pea, lentil. Continue land preparation and sowing of wheat; undertake harvesting of *Sali* rice and nursery bed preparation/sowing of *Boro* rice in Assam.

### Meghalaya

- Avoid irrigation in ginger and turmeric fields at rhizome maturity stage.
- Spray Hexaconazole @ 1ml/litre of water at 15 days interval for control of sheath blight and sheath rot in *Sali* rice.

### Jammu & Kashmir:

- Provide drainage channels in the fields of *rabi* crops like wheat, oats, lentils and gram wherever there is probability of water accumulation during winter months.
- Postpone all field operations in vegetable crops till soil becomes workable. Maintain adequate drainage in the field and nursery.
- For mushroom cultivation, casing should be properly sterilized. Maintain the temperature of the room 22 -24 degree Celsius for 2- 3 days after casing and then lower the temp to 15-18 degree Celsius for cropping period. To keep the room humid sprays the walls n floor of mushroom house with water. In case of panned casing soil, rake the casing soil gently with a fork or some pointed object to provide the gaseous exchange.

### Uttarakhand

- Undertake land preparation for sowing of wheat in sub humid sub tropic zone.
- Continue harvesting and threshing of late sown rice crop.

### Himachal Pradesh

- Apply irrigation wherever available as upper layer of soil in Sub-Montane & Low Hills Sub-Tropical Zone is dry.
- Complete sowing of mustard.
- Complete sowing of gram and lentil in lower areas.
- Undertake sowing of wheat if optimum soil moisture is available.

### Maharashtra

- In Konkan region, continue harvesting of rice in morning hours and follow immediate threshing of rice; grains may be dried in sun for 3 to 4 days. Continue harvesting of matured finger millet. Dry the produce in the sun for 2-3 days and then undertake threshing. Undertake land preparation for *rabi* season rice nursery.
- In Madhya Maharashtra region, continue sowing of chickpea with residual soil moisture or with

light irrigation, if irrigation facility is available.

- In Marathwada, continue picking of cotton. Apply protective irrigation with the help of sprinkler irrigation system in *rabi* groundnut crop.
- In East Vidarbha, undertake sowing of gram, wheat and linseed. Continue harvesting of matured early varieties of rice.

### West Bengal:

- In Sub-Himalayan West Bengal, continue harvesting of soybean. Continue sowing of lentils after harvesting of *Aman* rice.
- In Gangetic West Bengal, continue harvesting of mature rice crop. After harvesting, dry the crop in the field for 2-3 days and thereafter threshing should be done.
- In the areas where paddy crop is about to mature, irrigation should be stopped two weeks before harvesting. Medium and long duration varieties may be harvested depending upon maturity of the crop. After the harvest of rice crop, field should be ploughed with one deep ploughing followed by 2-3 general ploughings and planking to get the well pulverized seedbed for sowing of wheat, mustard or potato crops. Carry out land preparation for lentil crop.
- Complete the sowing of gram and pea at the earliest.

### Bihar

- Continue land preparation for timely sowing of *rabi* crops such as lentil, pea, *rai*, *toria*, garlic, coriander, sunflower, *rajma* and *methi*.
- Continue land preparation/sowing of wheat (varieties PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUU-206, HUU-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.
- Monitor cutworm in 15-20 days old maize, pea, lentil and kidney beans crop. For management, flood the field to bring the caterpillars out of cracks so that they are picked up by birds. In case of severe damage, spray Chlorpyrifos 20 EC @ 2.5 ml per liter of water.

### Chhattisgarh

- Continue harvesting of matured rice crop. Continue sowing of lathyrus or linseed crops. Undertake planting of potato and garlic and seed bed preparation for onion. Undertake sowing of wheat and gram.
- In Bastar Plateau Zone, continue harvesting of matured rice. Undertake sowing of wheat and gram. Continue sowing of linseed, safflower and Lathyrus crops.

### TamilNadu

- As heavy rain is expected during next three days, provide adequate drainage facilities in the standing crop fields to avoid water stagnation due to heavy rainfall and avoid application of fertilizer, insecticide and weedicide due to heavy rains. Provide support to banana to avoid lodging as high wind is anticipated.

- In Southern Zone, for Paddy crop applying of organic inputs is essential at this time, mix 2 kg Azospirillum /ha and 2 kg Phosphobacteria /ha or 4 kg Azophos inoculants with 25 kg FYM and 25 kg of soil and broadcast the mixture uniformly in the main field before transplanting.
- Farmers are advised to provide support to banana to avoid lodging as high wind is anticipated.
- In Western Zone, because of the present level minimum temperature and high rainfall, Zinc deficiency may appear in samba transplanted rice. Spray ZnSO<sub>4</sub> 0.5% along with 1% urea twice after current spells of rain and repeat at 10 days interval.

### Animal Husbandry

- In Tamil Nadu, keep the animals tied inside the shed during heavy rain and high wind. Strength of animal sheds should be ensured. Do not shelter the animals under tree or old shed. Avoid stagnation of water nearby animal shed to prevent vector born diseases to the animals and due to the expected rainfall, farmers are advised to safeguard the dry fodders for their livestock.
- Due to recent cyclone storm GAJA, the poultry farmers in Namakkal and Erode districts and adjoining districts are requested to take immense care of their birds in the raised platform as well as in deep litter to prevent any loss of birds by carefully covering the sides with curtains. They are also cautioned to prepare sufficient feed in advance for three subsequent days and store such feed in safe and dry places.
- In Karnataka, maintain the optimum room temperature in Sericulture, Poultry and Dairy unit by providing electric bulb for creating warm room temperature.