

Agromet Advisory Bulletin for Feni District

		
	 Agro-Meteorological Information Systems Development Project Component-C of BWCSR Department of Agricultural Extension	
Date: 25th October 2020 Bulletin No. 192	Agromet Advisory Bulletin for Feni District (25th October to 29th October 2020)	

Weather Conditions for last four days (21st October to 24th October 2020)

Weather Parameters	21.10.20	22.10.20	23.10.20	24.10.20	Range
Rainfall (mm)	2.0	95.0	60.0	0.0	0.0-95.0 (157.0)
Maximum Temperature (° C)	33.0	26.2	25.8	29.0	25.8-33.0
Minimum Temperature (° C)	26.0	25.0	22.7	24.0	22.7-26.0
Relative Humidity (%)	60.0-96.0	89.0-96.0	85.0-97.0	72.0-96.0	60-97
Wind Speed (km/h)	1.9	5.6	5.6	1.9	1.85-5.55
Cloud Amount (Okta)	7	8	8	8	7-8
Wind Direction	South/South-easterly	South/South-easterly	South/South-easterly	South/South-easterly	South/South-easterly

Weather forecast as per Bangladesh Meteorological Department for the next 5 days (25th October to 29th October 2020)

Weather Parameters	Range
Rainfall (mm)	0.0-4.2 (5.0)
Maximum Temperature (° C)	28.8-31.5
Minimum Temperature (° C)	21.4-23.6
Relative Humidity (%)	75.0-100.0
Wind Speed (Km/h)	1.7-2.5
Cloud status	Partly Cloudy Sky
Wind Direction	South/South-easterly

Agromet Advisories

Special Agromet Advisories for CORONA virus (COVID-19) transmission in Bangladesh

Farmers and all other farm managements are advised to follow the guidelines of Government of Bangladesh to avoid infection and social transmission of CORONA virus (COVID-19). Precautions and safety measures should be taken up to prevent the Carona virus spread. Simple measures include social distancing, maintaining personal hygiene by washing hands with soap, wearing of face mask, drink hot water, stay at home and cleaning of implements and machinery. Farmers should not work in a group; consult with a doctor in case of any symptom. Please stay at home does not visit the field until it is very necessary.

Salient Weather Conditions & Forecast

The monsoon has withdrawn from north-western part of Bangladesh and conditions are favourable for further withdrawal from the remaining part of Bangladesh. Monsoon is less active over the remaining part of Bangladesh and weak to moderate over North Bay. As per the weather forecast of Bangladesh Meteorological Department (BMD) during next 24 hours rain/thunder showers accompanied by temporary gusty wind is likely to occur at a few places over the district. Day and night temperature may rise slightly over the district. As per the outlook issued by BMD for next 72 hours, rain/thunder showers activity no marked change is likely. During last four days, trace to very heavy rainfall occurred over the district and as per the quantitative medium range weather forecast; trace to light rainfall is likely during next five days. Detail Agromet advisory are given below:

Aman Paddy

Panicle Initiation to Hard Dough stages

- During last four days very heavy rainfall occurred in the district. If excess water is there then immediate drain out the excess water by cutting the bund. This will help in good aeration which will reduce the incidence of pest and disease. It is also advised to repair the bunds in the paddy fields to conserve rain water properly.
- Farmers are advised to continuously monitor the field. If any symptoms of Brown Plant Hoppers (BPH) insects are found, then should go for spray of insecticides 125 ml Imidachloprid per hectare only in clear weather.
- There is a chance of Gandhi bug and Brown plant hopper attack. For Gandhi bug apply Carbaryl @1.7 kg per hectare or Isoprocarb/MIPC@1.12 kg . For BPH attack apply *Kartap*@ 1.4 kg per hectare or *Thiamethoxam+ Clorantranilipol @75 gm* per hectare.
- There is a chance of attack of leaf roller apply *Karbaril*@ 1.7 kg per hectare or Isoprocarb/MIPC @1.12 kg per hectare.
- There is a chance of sheath blight attack. Apply Potash fertilizer @ 05 kg per bigha in two equal installments at 15 days interval. Besides, apply *Nativo/ Folicur/score* in approved doses.
- There is chance of BLB attack. Apply at initial stage at 60 gram MOP, 60 gram Thiovit with mix up of 10 liter water @ 5 decimal lands. Before panicle initiation if BLB attack, apply potash @ 05 kg per bigha as top dressing.
- Light trap should be used for control of insects.

- Drain out water from the paddy field 15 days before harvesting
- If the crop is 80% mature, collect it in a sunny day.
- Apply pesticides.

Vegetables

- Drain out excess water from the field.
- For shoot and fruit borer in brinjal crops, infested shoots with grub should be collected and buried inside the soil. Reducing spread out by using pheromone trap if pest population is high, use spray of approval dose of insecticides, if necessary or recommended local organic insecticides may be used.
- In case of infestation of flies in cucurbits type vegetables, use a combination of pheromone and poison traps. Pesticides of the alpha ciphermethrin group can be used.
- In case of powdery mildew in cucurbit type vegetables, apply hexaconazole or mencozeb.
- Apply pesticides.

Horticultural crops

- Drain out excess water from the field.
- Farmers are advised to go for inter cultural operations in mango orchard.
- There is a chance of Sigatoka disease in banana. Cut and burn all severely affected leaves. Spray 1% Bordeaux mixture with sticker soon after the appearance of symptoms (5 to 6 sprays at fortnightly intervals).
- If millibugs attack guava, apply approved pesticides. This insect can also be controlled by spraying powdered soap at the rate of 05 g per liter of water.
- Take necessary action in case of infestation of fruit flies in guava.
- Apply pesticides.

Livestock

- Avoid feeding non-feeders to cattle to avoid the risk of food poisoning.
- Try to solve the problem of cow olan.
- Keep the livestock houses dry and clean.
- Vaccinate the livestock regularly.
- If symptoms of any disease appear, consult a veterinarian immediately for appropriate treatment

Poultry

- Keep the poultry house dry and clean.
- Give the vaccine as advised by the doctor
- If symptoms of any disease appear, consult a veterinarian immediately for appropriate treatment

Fishery

- Arrange to drain out excess water from the pond
- Apply lime for cleaning the pond water.

- Take out the unnecessary fish before releasing the fry.
- To keep in touch with local fisheries office for more information.