





Agromet Advisory Bulletin for Khulna District

		
	 Agro-Meteorological Information Systems Development Project Component-C of BWCSR Department of Agricultural Extension	
Date: 21st October 2020 Bulletin No. 191	Agromet Advisory Bulletin for Khulna District (21st October to 25th October 2020)	

Weather Conditions for last four days (17th October to 20th October 2020)

Weather Parameters	17.10.20	18.10.20	19.10.20	20.10.20	Range
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0-0.0 (0.0)
Maximum Temperature (° C)	35.8	31.0	34.5	32.5	31.0-35.8
Minimum Temperature (° C)	26.6	27.0	26.0	27.2	26.0-27.2
Relative Humidity (%)	56.0-96.0	75.0-97.0	61.0-97.0	73.0-96.0	56-97
Wind Speed (km/h)	0.0	0.0	0.0	0.0	0.0-0.0
Cloud Amount (Okta)	1	5	4	4	1-5
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 (21st October to 25th October 2020)

Weather Parameters	Range
Rainfall (mm)	0.0-36.0 (65.0)
Maximum Temperature (° C)	26.6-31.1
Minimum Temperature (° C)	22.2-25.5
Relative Humidity (%)	81.0-96.0
Wind Speed (Km/h)	1.4-8.6
Cloud status	Partly Cloudy Sky
Wind Direction	South/South-easterly

Agromet Advisories

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

Monsoon axis runs through West Bengal to Assam across central part of Bangladesh. Monsoon is fairly active over Bangladesh and strong 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 many places over the district. Day and night temperature may fall slightly over the district. As per the outlook issued by BMD for next 72 hours, rain/thunder showers activity may increase is likely. During last four days, no rainfall occurred over the district and as per the quantitative medium range weather forecast; trace to moderately heavy rainfall is likely during next five days. Detail Agromet advisory are given below:

Aman Paddy

Tillering to Hard Dough stages

- Maintain the water level in the paddy field.
- 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 and when there is no forecasting of rains.
- 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.
- Apply pesticides after current spell of rainfall.

Vegetables

- 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.
- Drain out excess water from the field, if any.
- Apply pesticides after current spell of rainfall.

Horticultural crops

- 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.
- Drain out excess water from the field, if any.
- Apply pesticides after current spell of rainfall.

Livestock

- Livestock houses need to be clean.
- Protect cattle from sun.
- Vaccinate the livestock regularly.
- If the price of straw is high, increase the leaf or granular food.
- If symptoms of any disease appear, consult a veterinarian immediately for appropriate treatment

Poultry

- Keep the poultry house dry and clean.
- In poultry farms, appropriate space should be kept.
- Give the vaccine as advised by the doctor
- High temperatures and humidity can increase the incidence of Gumboro disease. Other precautions should be taken including vaccination.
- Spray water on poultry shade during hot weather condition.

Fishery

- Maintain good amount of water in pond.
- Apply lime for cleaning the water.
- Select healthy, diseases free breeds of fishes from authentic sources

- To keep in touch with local fisheries office for more information.