





Agromet Advisory Bulletin for Rajshahi District

		
	 Agro-Meteorological Information Systems Development Project Component-C of BWCSR Department of Agricultural Extension	
Date: 28th October 2020 Bulletin No. 193	Agromet Advisory Bulletin for Rajshahi District (28th October to 01st November 2020)	

Weather Conditions for last four days (24th October to 27th October 2020)

Weather Parameters	24.10.20	25.10.20	26.10.20	27.10.20	Range
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0-0.0 (0.0)
Maximum Temperature (° C)	28.0	32.4	32.6	32.7	28.0-32.7
Minimum Temperature (° C)	23.5	23.4	23.6	20.4	20.4-23.6
Relative Humidity (%)	83.0-97.0	63.0-99.0	42.0-97.0	40.0-96.0	40-99
Wind Speed (km/h)	1.9	1.9	1.9	0.0	0.0-1.85
Cloud Amount (Okta)	4	2	1	0	0-4
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 (28th October to 01st November 2020)

Weather Parameters	Range
Rainfall (mm)	0.0-0.3 (0.3)
Maximum Temperature (° C)	31.3-33.7
Minimum Temperature (° C)	21.2-23.4
Relative Humidity (%)	43.0-78.0
Wind Speed (Km/h)	1.4-3.6
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

Southwest monsoon has withdrawn from the district. It persists over Cox's Bazar region and likely to withdrawal during next 24 hours. Monsoon is less active over Cox's Bazar region and weak over North Bay. As per the weather forecast of Bangladesh Meteorological Department (BMD) during next 24 hours Weather may remain mainly dry with temporary partly cloudy is likely over the district. Day and night temperature may remain nearly unchanged over the district. As per the outlook issued by BMD for next 72 hours, during last four days, no rainfall occurred over the district and as per the quantitative medium range weather forecast; no rainfall is likely during next five days. Detail Agromet advisory are given below:

Aman Paddy

Booting to Harvesting stages

- Provide irrigation and 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.
- 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. Regular inspection should be continued for disease attack observation. Good results can be obtained by following wet and dry irrigation management periodically to control sheath blight. 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.
- Blast disease can occur in the current weather. To control this disease, the approved fungicide of Tricyclazol / Strobilin group should be mixed well in 67 liters of water per bigha of land and sprayed twice every 5-7 days in the last afternoon. In case of blast disease, water should be

retained in the land. Fungicides should be applied in the early stages of the disease for leaf blast disease and Neck blast disease should be treated with fungicides before the disease occurs.

- Monitor regularly in the field to protect against various insect attacks. 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

- Apply light irrigation and pesticides.
- 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.

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.
- Apply light irrigation and 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

- 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.