





Agromet Advisory Bulletin for Khulna District

		
		
<p>Agro-Meteorological Information Systems Development Project Component-C of BWCSR Department of Agricultural Extension</p>		
Date: 15th November 2020 Bulletin No. 198	Agromet Advisory Bulletin for Khulna District (15th November to 19th November 2020)	

Weather Conditions for last four days (11th November to 14th November 2020)

Weather Parameters	11.11.20	12.11.20	13.11.20	14.11.20	Range
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0-0.0 (0.0)
Maximum Temperature (° C)	34.0	32.0	32.5	32.2	32.0-34.0
Minimum Temperature (° C)	21.8	20.5	22.6	20.0	20.0-22.6
Relative Humidity (%)	31.0-96.0	53.0-93.0	49.0-98.0	39.0-95.0	31-98
Wind Speed (km/h)	0.0	0.0	0.0	0.0	0.0-0.0
Cloud Amount (Okta)	2	3	1	0	0-3
Wind Direction	North/North-westerly	North/North-westerly	North/North-westerly	North/North-westerly	North/North-westerly

Weather forecast as per Bangladesh Meteorological Department for the next 5 days (15th November to 19th November 2020)

Weather Parameters	Range
Rainfall (mm)	0.0-0.0 (0.0)
Maximum Temperature (° C)	29.7-30.7
Minimum Temperature (° C)	16.5-18.0
Relative Humidity (%)	51.0-83.0
Wind Speed (Km/h)	1.8-2.6
Cloud status	clear Sky
Wind Direction	North/North-westerly

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

As per the weather forecast of Bangladesh Meteorological Department (BMD) during next 24 hours weather may remain dry with temporary partly cloudy sky over the district. Light fog may occur at places over the river basins of the district during late night to early morning. Night and day 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 Imidacloprid** 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+ Chlorantraniliprole @75 gm** per hectare.
- There is a chance of attack of leaf roller apply **Carbaryl@ 1.7 kg per hectare or Isoprocarb/MIPC @1.12 kg** per hectare.
- Catch the insects with the hand net to control the attack of the green leaf hopper. If the infestation is high, apply **1.8 kg Carbaryl or 1.12 kg Isoprocarb / MIPC** 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 / Strobil 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.

Vegetables

- Apply light irrigation.
- 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.
- In case of Aphid attack in beans and cabbage, use the approved dose of **Chlorpyrifos** group of pesticides.

Horticultural crops

- Farmers are advised to go for inter cultural operations in mango orchard.
- In case of symptoms of Sigatoka disease on banana leaves, 0.5 ml of Score or 2 g of **Noin or Bavistin** or **0.1 ml of Econazole / Folico** should be mixed in every liter of water and sprayed 2-3 times at intervals of 15-20 days.
- In case of banana beetle infestation, apply **Isoprocarb / MIPC** group pesticides.
- In order to control coconut mite, miticide should be applied to the affected trees by cutting and burning the young coconut. In addition, miticide should be applied on the leaves of young trees in the vicinity.
- 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 on young fruit trees.

Livestock

- Vaccinate the cattle to prevent disease.
- If symptoms of any disease appear, consult a veterinarian immediately for appropriate treatment

Poultry

- Vaccinate the birds to prevent disease.
- If symptoms of any disease appear, consult a veterinarian immediately for appropriate treatment

Fishery

- Apply lime for cleaning the pond water.
- To keep in touch with local fisheries office for more information.