


## Agromet Advisory Bulletin for Bandarban District

		
	 <b>Agro-Meteorological Information Systems Development Project</b> <b>Component-C of BWCSR</b> <b>Department of Agricultural Extension</b>	
<b>Date: 13th May 2020</b> <b>Bulletin No. 145</b>	<b>Agromet Advisory Bulletin for Bandarban District (13th May to 17th May 2020)</b>	

### Weather Conditions for last four days (09th May to 12th May 2020)

Weather Parameters	09.05.20	10.05.20	11.05.20	12.05.20	Range
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0-0.0 (0.0)
Maximum Temperature (° C)	34.0	35.0	34.8	33.5	33.5-35.0
Minimum Temperature (° C)	25.1	25.5	28.0	27.6	25.1-28.0
Relative Humidity (%)	52.0-89.0	53.0-88.0	60.0-95.0	18.0-76.0	18-95
Wind Speed (km/h)	5.6	11.1	7.4	3.7	3.7-11.1
Cloud Amount (Okta)	2	1	4	5	1-5
Wind Direction	South/Southeasterly	South/Southeasterly	South/Southeasterly	South/Southeasterly	South/Southeasterly

### Weather forecast as per Bangladesh Meteorological Department for the next 5 days (13th May to 17th May 2020)

Weather Parameters	Range
Rainfall (mm)	0.0-0.0 (0.0)
Maximum Temperature (° C)	34.5-35.8
Minimum Temperature (° C)	21.7-23.4
Relative Humidity (%)	46.0-68.0
Wind Speed (Km/h)	2.8-3.1
Cloud status	Partly Cloudy Sky
Wind Direction	South/Southeasterly

## **Agromet Advisories**

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

Farmers and all other farm managements are advised to maintain the social distancing (at least 3 meters), cover their faces with masks and follow other guidelines of Government of Bangladesh to avoid infection and social transmission of CORONA virus (COVID-19).

### **Salient Weather Conditions & Agromet Advisories**

As per the weather forecast received from the Bangladesh Meteorological Department (BMD) during next 24 hours, weather may remain mainly dry with temporary partly cloudy sky elsewhere 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, little change is likely. During last four days, no rainfall occurred and as per the quantitative medium range weather forecast, no rainfall is likely during next five days. Detail Agromet advisories are given below.

## **Boro Paddy**

### **Hard Dough to Harvesting stages**

Continue harvesting. After the harvest, immediately keep it in safe and dry place for drying of grains.

Complete harvesting as early as possible

Hire the labour from the same village of cultivated land

- Maintain proper distance during harvesting
- There is chance of Gandhi bug and Brown plant hopper attack. For Gandhi bug spray Carbaryl 50 WP@2g/liter of water. Avoid excess irrigation in the field otherwise base will be rotten. Where early transplanted paddy found 80% maturity, harvest and transfer it to safe place immediately. Spray Buprofezin 25% SC@106ml/bigha for BPH attack. Maintain proper distance within the farmers during spraying.
- Maintain 2-5 cm water level. Drain out excess water.
- Drain out water from crop field 15 days before harvesting.
- Due to large diurnal temperature, there is chance of blast disease. If noticed, adopt appropriate plant protection measures.
- Arrange proper solarisation within the row by stirring the plants after each 2 rows.
- Spraying should be done during afternoon hours or at morning hours from 10:00 a.m. to 11:00a.m
- As boro cultivation is going on full swing, it is advised to monitor the incidences of other pests and diseases and take appropriate plant protection measures as advised by the upazila Agriculture Office or Sub-Assistant Agriculture Officer.

## **Groundnut**

- Monitor the incidences of pests (hairy caterpillar, jassid, thrips, leaf miner, spodoptera & termite) & diseases (leaf spot/tikka disease, leaf rust, foot rot/stem rot, collar rot, bud necrosis) and if noticed, take appropriate preventive measure.

- Prevailing weather condition are favorable for tikka leafspot in groundnut. To control spray with hexaconazol @2ml. or carbendazim @1 g. per litre of water.

### **Vegetables**

- For control of fruit and shoot borer in brinjal, it is advised to apply Chlorpyrifos 20 EC @ 20 ml or Emamectin Benzoate 5 SP @ 3 g or Chlorantraniliprole 18.5 SC @ 3 ml or Cypermethrin 10 EC @ 10 ml or Lambda-cyhalothrin 5 EC @5 ml/10 litre water. Spray Diafenthiuron 50 WP @ 10 g/10 litre water.
- Monitoring is advised for infestation of leaf hopper in okra. Spraying of Imidacloprid @ 0.5ml/litre of water is recommended for control of leaf hopper.
- Intercultural operation is may be done in summer vegetables like lady finger, pumpkin, cucumber, sponge gourd, bottle gourd.
- It is advised to monitor the tomato crop for leaf curl. Spray of Imidacloprid @ 0.5ml/litre of water during clear weather is advised and remove virus infected plants.

### **Horticulture**

Fruit fly attack due to increased temperature in Mango, Guava, citrus in: fruiting: stage. Following measures may be taken up.

- Pheromon trap for fly attack
- Bend the branch of guava at ground level for better fruiting
- To prevent fruit, drop of citrus spray 10ppm solution of 2,4D
- To prevent fruit, drop of mango spray 15ppm NAA
- Due to high temperature, it is advised to provide shade to newly planted or small plants of mango. Irrigate the mango orchard during early morning, at evening or night.
- To prevent incidence of post-harvest diseases in mango fruits, it is advised to keep the fruits in warm water (~ 52oC) for 10 minutes and then keep for ripening

### **Jute:**

- It is now in vegetative stage. Monitor the pest & diseases incidences and take appropriate measures.

### **Livestock**

- To avoid heat stress on animals due to high temperature, it is advised to provide adequate drinking water and green fodder to animals. Spray of water on gunny bags surrounding the cattle shed
- Before the onset of monsoon, immunize the farm cattle against FMD (Foot& Mouth Disease), HS (Hemorrhagic Septicemia) and BQ (Black Quarter) diseases after consultation with local veterinary doctor.

### **Poultry**

- Maintain the ambient room temperature in the poultry house. Add electrolytes (KCl, NaCl and NaCO<sub>3</sub>) in feed and water.

### **Fishery**

- After catching fish was the materials with soap water and soaked for 5 minutes with 1% Sodium hypochlorite or neem water
- Cover the mouth with mask during fishing or other practices in the pond