


## Agromet Advisory Bulletin for Bandarban District

		
		
<p><b>Agro-Meteorological Information Systems Development Project</b>  <b>Component-C of BWCSR</b>  <b>Department of Agricultural Extension</b></p>		
<b>Date: 3rd May 2020</b> <b>Bulletin No. 142</b>	<b>Agromet Advisory Bulletin for Bandarban District (03rd May to 07th May 2020)</b>	

### Weather Conditions for last four days (29th April to 02nd May 2020)

Weather Parameters	29.04.20	30.04.20	01.05.20	02.05.20	Range
<b>Rainfall (mm)</b>	Trace	Trace	1.0	0.0	0.0-1.0 (1.0)
<b>Maximum Temperature (° C)</b>	31.4	31.4	31.4	32.4	31.4-32.4
<b>Minimum Temperature (° C)</b>	23.4	24.5	23.7	23.5	23.4-24.5
<b>Relative Humidity (%)</b>	59.0	57.0-89.0	67.0-91.0	59.0-89.0	57-96
<b>Wind Speed (km/h)</b>	1.9	1.9	1.9	3.7	1.85-3.7
<b>Cloud Amount (Okta)</b>	5	5	7	4	4-7
<b>Wind Direction</b>	South/South easterly	South/Southe asterly	South/South easterly	South/Southe asterly	South/Southe asterly

### Weather forecast as per Bangladesh Meteorological Department for the next 5 days (03rd May to 07th May 2020)

Weather Parameters	Range
<b>Rainfall (mm)</b>	0.0-2.6 (3.8)
<b>Maximum Temperature (° C)</b>	31.7-35.2
<b>Minimum Temperature (° C)</b>	20.7-23.8
<b>Relative Humidity (%)</b>	60.0-70.0
<b>Wind Speed (Km/h)</b>	2.1-3.0
<b>Cloud status</b>	Partly Cloudy Sky
<b>Wind Direction</b>	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, light to moderate rain/thunder showers with lightning flashes and temporary gusty/squally wind is likely to occur at many places over the district with moderately heavy falls at places over the district. Day and night temperature may rise by (1-2)°C over the country. As per the outlook issued by BMD for next 72 hours little change is likely. During last four days, light rainfall (1.0 mm) occurred and as per the quantitative medium range weather forecast, heavy rainfall (3.8 mm) is likely during next five days. Detail Agromet advisories are given below.

## **Boro Paddy**

### **Flowering to Ripening**

- 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 after the current spell of rainfall.
- 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**

- It is advised to provide mechanical support in banana and papaya plants to prevent lodging. Harvest the matured and undamaged banana bunches and papaya fruits and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- In case of hot weather condition, it is advised to irrigate fruiting mango plants with an interval of 7-10 days.
- Intercultural operation and mulching are advised in the standing crops as a contingency measure
- Farmers are advised to keep vigilance on insect-pest and diseases and follow proper weed control measures and cover fruit seedling with rice straw (parali)/thatches in nursery.
- To avoid fruit fall in mango crop, it is advised to spray Planofix regulator 20 ppm and 1% Calbor micronutrient.
- Tthe prevailing weather conditions are favorable for incidence fruit fly in mango. Farmers are advised to keep Methyl Uzanol traps @ 6-7 /acre to trap the fruit fly.

#### **Jute:**

- Complete sowing of seeds.

#### **Livestock**

- 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