

## 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: 21th August, 2019</b> <b>Bulletin No. 69</b>	<b>Agromet Advisory Bulletin for Bandarban District (21th August to 25th August, 2019)</b>	

### Weather Conditions for last four days (17th August to 20th August, 2019)

Weather Parameters	17.08.19	18.08.19	19.08.19	20.08.19	Range
<b>Rainfall (mm)</b>	0.0	0.0	7.0	3.0	0.0-7.0 (10.0)
<b>Maximum Temperature (° C)</b>	31.0	32.1	33.7	33.0	31.0-33.7
<b>Minimum Temperature (° C)</b>	25.0	26.0	26.4	26.3	25.0-26.4
<b>Relative Humidity (%)</b>	68.0-93.0	67.0-92.0	67.0-97.0	63.0-90.0	63.0-97.0
<b>Wind Speed (km/h)</b>	9.2	9.2	5.6	7.4	5.6-9.2
<b>Cloud Amount (Okta)</b>	6	4	4	5	4-6
<b>Wind Direction</b>	South/South-Westerly	South/South-Westerly	South/South-Westerly	South/South-Westerly	South/South-Westerly

### Weather forecast as per Bangladesh Meteorological Department for the next 5 days (21th August to 25th August, 2019)

Weather Parameters	Range
<b>Rainfall (mm)</b>	2.5-19.5 (46.6)
<b>Maximum Temperature (° C)</b>	28.5-30.8
<b>Minimum Temperature (° C)</b>	23.4-24.5
<b>Relative Humidity (%)</b>	85.0-97.0
<b>Wind Speed (Km/h)</b>	3.9-8.3
<b>Cloud Amount (Okta)</b>	Clear Sky

<b>Wind Direction</b>	South/South-Westerly
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### Stages of Standing Crops

Crop	Stage
Aman Paddy	Transplanting almost completed/ early Vegetative Stage
Aus Paddy	Booting
Vegetables	Fruit Setting/ Vegetative

### Agromet Advisories

#### Aus Paddy

- Check the bund around the field to store required amount of water.
- Maintain 2-5 cm water level upto hardening of grain
- Due to high humidity (warm and humid weather) possibility of pest and disease build up is more in crop. Take prophylactic measures accordingly.
- To control of insects like steam borer, gall midge and white & brown hopper apply Corbofuron 3 G@33 kg or phorat 10G @ 10 kg per /hectare and for cut worm Clorpyrifos or Daiclorovash.
- Since cloudy weather is prevailed, there is a chance of leaf folder attack in Paddy. It can be controlled by using Trichogramma cards.
- To save the rice crop from sheath blight, keep the bunds of the field clean by removing grasses.
- To control infestation of leaf blast & leaf spot in Aus rice, spray Carbendazim @2g/litre of water.
- All the above mentioned plant protection measure should be taken after the current spells rainfall.

#### Aman Paddy

- Maintain 5-7 cm standing water up to maximum tillering stage.
- Undertake intercultural operations.
- Weeding should be done at regular interval as per requirement. However, first weeding should be done 10-15 days after transplanting. Second weeding should be done 30-35 days after transplanting. Weeding may be done either by hand or using weedicides. 2-4 D Amine or Butachlor may be used for weeding
- Apply 1/3rd nitrogen as top dressing 15-20 days after transplanting.
- Make proper surveillance of the incidences of the stem borer, rice hispa, rice caseworm, gall midge as well as sheath blight and sheath rot and if noticed, apply appropriate insecticides/fungicides to control the pests & diseases incidences.
- In low land areas, still there is scope for transplanting the crop after receding water. As there is delay in transplanting, cultivation of BR22, BR23, BRR1 DHAN 38, BRR1 46, Binashail, Nigershail and local varieties may be suitable under such circumstances.
- After receding of flood water, in advance prepare seed bed in high land and also arrange for floating seed bed.

#### Other Advisories

1. Complete drain out of water from vegetable field.
2. Start cultivating of early winter vegetables after receding of flood water.
3. Prevent feeding the livestock with rotten grasses after flood. Instead, feed the animals with concentrate and green grasses along with vitamins and mineral supplements.
4. In flood affected areas of the district, vaccinate domestic livestock like cattle, goat and sheep against BQ, HS, Foot and mouth disease as well as anthrax disease..
5. There is possibility of muddy water influx from the surrounding areas into the fishery resulting reduction of dissolved oxygen contents. Stirring the water with a bamboo pole will help in increasing the gaseous exchange and protect the fishes from suffocation.
6. Changing weather condition could lead to viral diseases to the birds. So, farmers may provide sufficient water with 1% salt and mineral mixture. Farmers are also advice to clean the sanitary condition of poultry.