

## Agromet Advisory Bulletin for Bandarban District

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|  | <br><b>Agro-Meteorological Information Systems Development Project</b><br><b>Component-C of BWCSR</b><br><b>Department of Agricultural Extension</b> |  |
| <b>Date: 18th August, 2019</b><br><b>Bulletin No. 68</b>                          | <b>Agromet Advisory Bulletin for Bandarban District (18th August to 22nd August, 2019)</b>  |   |

### Weather Conditions for last four days (14th August to 17th August, 2019)

| Weather Parameters               | 14.08.19             | 15.08.19             | 16.08.19             | 17.08.19             | Range                |
|----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <b>Rainfall (mm)</b>             | 15.0                 | 0.0                  | 2.0                  | 0.0                  | 0.0-15.0<br>(17.0)   |
| <b>Maximum Temperature (° C)</b> | 33.0                 | 29.8                 | 31.0                 | 31.0                 | 29.8-33.0            |
| <b>Minimum Temperature (° C)</b> | 25.0                 | 27.2                 | 25.5                 | 25.0                 | 25.0-27.2            |
| <b>Relative Humidity (%)</b>     | 77.0-97.0            | 74.0-96.0            | 80.0-97.0            | 68.0-93.0            | 68.0-97.0            |
| <b>Wind Speed (km/h)</b>         | 16.7                 | 11.1                 | 3.7                  | 9.2                  | 3.7-16.7             |
| <b>Cloud Amount (Okta)</b>       | 7                    | 7                    | 7                    | 6                    | 6-7                  |
| <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 (18th August to 22nd August, 2019)

| Weather Parameters               | Range          |
|----------------------------------|----------------|
| <b>Rainfall (mm)</b>             | 0.0-6.4 (12.7) |
| <b>Maximum Temperature (° C)</b> | 29.6-30.5      |
| <b>Minimum Temperature (° C)</b> | 23.0-23.6      |
| <b>Relative Humidity (%)</b>     | 84.0-97.0      |
| <b>Wind Speed (Km/h)</b>         | 4.3-7.0        |
| <b>Cloud Amount (Okta)</b>       | Clear Sky      |

|                       |                      |
|-----------------------|----------------------|
| <b>Wind Direction</b> | South/South-Westerly |
|-----------------------|----------------------|

### Stages of Standing Crops

| Crop        | Stage                     |
|-------------|---------------------------|
| Aman Paddy: | Seedbed/Transplanting     |
| Aus Paddy   | Booting                   |
| Vegetables  | Fruit Setting/ Vegetative |

### Agromet Advisories

#### Aus Paddy

- Maintain 5-7 cm water level in the Aus Paddy field with irrigation.
- 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 stem 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.

#### Aman Paddy

- Complete the sowing operations of aman paddy as soon as possible. Ensure weed free seed bed.
- Farmers may start the preparation of main land for transplanting.
- At the last stage of land preparation of field for transplanting of aman paddy, apply per hectare 90 kg TSP, 70 kg MOP, 11 kg Zinc, and 60 kg gypsum.
- This is the ideal time for transplanting of 25-30 days old nursery in the main field. Avoid deep planting for better crop establishment and fill up the gaps within a week.
- Maintain 5-7 cm standing water with irrigation up to maximum tillering stage.
- Keep the rice nursery and field bunds free from weeds either by hand weeding or by application of herbicide. Apply recommended herbicide as per recommendation within 1-3 days of transplanting.
- Apply 1/3rd nitrogen as top dressing 15-20 days after transplanting.

### Advisories for Areas Affected by Floods

Following agromet advisories are issued for this flood affected district on the standing crops, livestock, poultry and fishery.

1. Continue transplanting of paddy seedlings when flood water recedes completely. The seedlings of short and duration varieties (BRRI DHAN 33, BRRI DHAN 39, BRRI DHAN 62, BRRI DHAN 66,

BRR1 DHAN 71, BRR1 DHAN 75) or medium duration varieties (BRR1 DHAN 34, BRR1 DHAN 37, BRR1 DHAN 38, BRR1 DHAN 49, BRR1 DHAN 52, BRR1 DHAN 70, BRR1 DHAN 71, BRR1 DHAN 79, BRR1 DHAN 80 and BR 25) should be transplanted at the earliest.

2. Direct seeding of photo insensitive short duration varieties like BINA 07, BINA16, and BINA17 is also advocated for areas where the rice crop was totally damaged due to flood.
3. In order to escape from another flood like situation submergence tolerant varieties should be considered.
4. Start cultivating of early winter vegetables after receding of flood water.
5. Prevent feeding the livestock with rotten grasses after flood. Instead, feed the animals with concentrate and green grasses along with vitamins and mineral supplements.
6. 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.
7. Supply adequate amount of clean and pure drinking water to animals.
8. Maintain a proper distance of the animals from the free flowing flooding streams and rivers.
9. 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.
10. 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.