

## 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: 14th July, 2019</b> <b>Bulletin No. 59</b>	<b>Agromet Advisory Bulletin for Bandarban District (14th July to 18th July, 2019)</b>	

### Weather Conditions for last four days (10th July to 13th July, 2019)

Weather Parameters	10.07.19	11.07.19	12.07.19	13.07.19	Range
<b>Rainfall (mm)</b>	145.0	9.0	118.0	141.0	9.0-141.0 (413.0)
<b>Maximum Temperature (° C)</b>	31.0	32.0	28.0	28.0	28.0-32.0
<b>Minimum Temperature (° C)</b>	25.0	25.0	25.2	25.0	25.0-25.0
<b>Relative Humidity (%)</b>	87.0-98.0	96.0-97.0	84.0-97.0	93.0-97.0	84.0-98.0
<b>Wind Speed (km/h)</b>	18.5	16.7	16.7	13.0	13.0-18.5
<b>Cloud Amount (Okta)</b>	8	8	8	8	8-8
<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 (14th July to 18th July, 2019)

Weather Parameters	Range
<b>Rainfall (mm)</b>	1.75-62.12 (96.0)
<b>Maximum Temperature (° C)</b>	28.1-31.7
<b>Minimum Temperature (° C)</b>	24.2-24.6
<b>Relative Humidity (%)</b>	88.0-97.0
<b>Wind Speed (Km/h)</b>	4.3-6.5
<b>Cloud Amount (Okta)</b>	Cloudy Sky
<b>Wind Direction</b>	South/South-Westerly

## Stages of Standing Crops

Crop	Stage
Aman Paddy:	Seedbed/Transplanting
Aus Paddy	Tillering
Jute	Growing/Maturity/Harvest
Vegetables	Sowing/ Fruit Setting/ Vegetative

### Agromet Advisories

#### Paddy.

- Drain out excess water & maintain 5-7 cm water level in the Aus paddy field.
- To control infestation of leaf blast & leaf spot in Aus rice, spray Carbendazim @2g/litre of water after current spell of heavy rain.
- Monitor other pest & diseases incidences on Aus Paddy.
- Complete the sowing operations of aman paddy as soon as possible. Ensure weed free seed bed and make proper drainage channel. To prevent water stagnation in the nursery bed. Construct channels around the seed bed for drainage.
- 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 after current spell of heavy rain.
- This is the ideal time for transplanting of 25-30 days old nursery in the main field after current spell of heavy rain. Drain out excess water from rice nursery and avoid deep planting for better crop establishment and fill up the gaps within a week. Maintain 5-7 cm standing water 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

#### Jute:

- Excess rainfall drain out from the field.
- Harvesting and retting of jute may be done preferably at pre-flowering stage (120 days after sowing) to get better quality fibre. At present the water temperature in the retting tanks/ nals may ideal for retting of jute. Early and timely sown capsularis jute may be harvested during this week and kept in the field in standing position for 3-4 days before retting for proper defoliation.
- Drain out water from crop field.
- Prevailing weather conditions are favourable for incidences of Hairy Caterpillar & Semiloper in Jute. Monitor the incidences of these pests. If observed, apply Spray Imidocholoprid/Chlorocyrin/ Nitro @ 1ml/litre of water for Hairy Caterpillar & Imidocholoprid/Chlorocyrin/ Nitro @ 1ml/litre of water for Semiloper after current spell of heavy rain.
- There may be incidences of stem weevil in jute. To control, apply Dichlorvos @ 3 ml per 4 litre of water or Endosulphan 2 ml per litre of water after current spell of heavy rain.

#### Vegetables:

- Farmers are advised to drain out excess water from the field. Make arrangement to avoid plant damage (particularly staked creeper) from anticipated gusty winds. Make arrangement to raise new orchard during monsoon season.
- If seedlings of brinjal are ready for transplanting, transplant the seedlings on ridges and furrow with spacing of 60 x 60 cm. Sowing of kharif vegetables such as lady's finger, pumpkin, cucumber, sponge gourd, bottle gourd after the heavy rainfall.
- In pumpkin, ridge-gourd, pointed gourd and cucumber, there is a chance of attack of Red-Pumpkin Beetle during current weather condition. To control, apply Dimecron or rogor (1ml per litre of water) after the current spells of heavy rainfall.
- The prevailing weather conditions are congenial for incidence sucking pests in vegetables. To control, spray Dimethoate @ 2 ml or Acephate @ 1.5 g per litre of water. Undertake nursery sowing of Tomato, Brinjal and Chillies and direct sowing of Gourds, Beans and Bhendi with assured irrigation after current spell of heavy rain.
- In Western Zone, high relative humidity may cause leaf spot in turmeric and downy mildew in cucurbits and onion, spray Mancozeb 1 kg/ha after current spell of heavy rain.

#### **Horticultural crops**

- Farmers are advised to go for inter cultural operations in mango orchard after current spell of heavy rain.
- The farmers are advised to take up plant protection measures carefully in horticultural crops like, pomegranate for bacterial blight and lime for leaf minor.
- For the orchards of the guava, add 20-25 kg cow dung and 50 gms of heptachlor in the soil extracted from the pit and fill it again. For mango, amla and berry orchards add 30 kg of cow dung, 250 grams of single super phosphate and 50-100 g heptachlor in the soil extracted from the pit and fill it again. These operations may be done after current spell of heavy rain.
- Farmers are advised to start digging of pit of appropriate size and distance for new orchard establishment. Prepare pit for plantation of saplings of mango, guava and coconut as sufficient rainfall is expected.