

## 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: 15th May, 2019</b> <b>Bulletin No. 43</b>	<b>Agromet Advisory Bulletin for Bandarban (Chattogram) District</b> <b>(15th May to 19th May, 2019)</b>	

### Weather Conditions for last four days (11th May to 14th May, 2019)

Weather Parameters	11.05.19	12.05.19	13.05.19	14.05.19
Rainfall (mm)	0	0	0.4	0
Maximum Temperature (° C)	33.8	34.7	34.7	34.8
Minimum Temperature (° C)	28	28.4	29.8	28.5
Relative Humidity (%)	71-96	67-93	62-84	68-85
Cloud Amount (Okta)	Clear sky	Clear sky	Clear sky	Clear sky
Wind Speed (km/h)	15.6	10.88	12.73	11.64
Wind Direction	South-west/Southerly	South-west/Southerly	South-west/Southerly	South-west/Southerly

### Weather forecast as per Bangladesh Meteorological Department for the next 5 days (15th May to 19th May, 2019)

Weather Parameters	Range
Rainfall (mm)	2.94

<b>Maximum Temperature ( ° C )</b>	34.1
<b>Minimum Temperature ( ° C )</b>	23.98
<b>Relative Humidity (%)</b>	74.0-76.6
<b>Cloud Amount (Okta)</b>	Clear sky
<b>Wind Speed ( Km/h)</b>	5.92
<b>Wind Direction</b>	South-west/Southerly

**General Advisory:** As the temperature will be relative high, it is advised for deep ploughing of fields after harvesting of Rabi crops. It helps in destroying the eggs and pupating stages of insects and weed seeds. After the harvest of the rabi crops, incorporation of crop residues @ 5t/ha improves the soil physical, property, infiltration rate and soil water holding capacity moisture around root zone.

### Agromet Advisories

#### **Boro Paddy: Hard dough / Maturity stage/Harvesting**

##### **Maturity stage/Harvesting**

Remove the water from the field 10-15 days before harvesting.

As there is chance of no significant rainfall next one week, harvest the matured crop.

Deep summer ploughing should be done in harvested boro paddy field to destroy eggs and pupa of insects –

Sow green manuring crop like cluster bean, daincha etc after harvesting of boro paddy in order to fertilize the field and conserve moisture in soil

##### **Aus Paddy: Seedbed**

If the nurseries in the seedbed becomes yellowish, apply 7 gram urea per sq. meter.

If the nurseries in the seedbed is not green in colour, apply 10 gm gypsum per sq. meter.

Remove weeds by hand.

- If the population of Thrips and Green Leaf Hopper exceeds 25%, apply Malathion group insecticide at the rate of 1ml/1 litre of water

##### **Jute: Sowing to Growing**

Following advisories are given where sowing operations are still going on.

Apply 100kg urea along with 50 kg TSP, 60 kg MOP, 95 kg Gypsum and 11 kg Zinc Sulphate per hectare at the time of sowing of crop.

Following are the advisories where crops have already been sown.

Apply light irrigation .

Weeding may be done.

After weeding, apply rest of the ureas ( 100kg/hectare) urea as top dressing. There is a chance of incidences of Hairy Caterpillar. Following control measures is advised.

1. Collect the egg mass and destroy
2. Use light traps.
3. Spray Imidocholoprid/Chlorocyryn/ Nitro @ 1ml/litre of water.

There is a chance of incidences of Semiloper. Spray Imidocholoprid/Chlorocyryn/ Nitro @ 1ml/litre of water.

#### **Groundnut: Maturity to Harvest stage**

- Harvest the crop as there is no chance of significant rainfall for next few days and keep it in dry place

#### **Brinjal, Pointed Gourd, Cucumber, Bitter gourd, Ridge gourd, Yard long bean & Lady's finger : Fruit Setting/ Vegetative**

- Due to possibility of dry weather and increase in day temperature Regular monitoring of the summer vegetables crops should be done and farmers are advised to apply light irrigation as per requirement
- For pointed gourd, cucumber, ridge gourd and bitter gourd periodic hand weeding should be followed. Hand pollination in pointed gourd early in the morning helps to set cent percent fruit. If downy mildew appears in the leaf, alternate spraying with Mancozeb 64% + Metalaxyl 8%( Putamil 72 WP (Prime Agro Limited), AP-1350)- @2gm/litre or Mancozeb 50% + Phenamidone 10% (Secure 600 WG (Bayer Crop Science) AP-628 -@2gm/litre at 7-10 days interval is very effective.
- Seeds of cucumber, bitter gourd, Yard long bean, ridge gourd, Lady's finger are to be sown providing light irrigation.
- For whitefly and jassid attack in Lady's finger, spray 0.5% concentration soap water or 5 ml liquid soap/ litre. Preserve spider in the fields (one spider kills 2-15 jassids per day). Grind 500gm neem seeds and mix with 10 litre water and keep it 12 hours. After filtering the liquid spray the same to jassid affect field as this may reduce the incidences of the pest. For control of the white fly spray Profenofos 40%+ Cypermethrin 2.5%- Shobicron 425 EC @ 2ml/ litre at 10 days intervals.
- At early growth stage and during flowering of cucurbits, apply nitrogenous fertilizers.