

Agromet Advisory Bulletin for Bandarban District

		
	 Agro-Meteorological Information Systems Development Project Component-C of BWCSR Department of Agricultural Extension	
Date: 25th August, 2019 Bulletin No. 70	Agromet Advisory Bulletin for Bandarban District (25th August to 29th August, 2019)	

Weather Conditions for last four days (21th July to 24th August, 2019)

Weather Parameters	21.08.19	22.08.19	23.08.19	24.08.19	Range
Rainfall (mm)	0.0	2.0	2.0	Trace	0.0-2.0 (4.0)
Maximum Temperature (° C)	31.5	34.0	34.0	32.0	31.5-34.0
Minimum Temperature (° C)	26.5	26.5	26.5	26.0	26.0-26.5
Relative Humidity (%)	69.0-94.0	71.0-92.0	62.0-91.0	76.0-85.0	62.0-94.0
Wind Speed (km/h)	1.9	9.2	9.2	9.2	1.9-9.2
Cloud Amount (Okta)	6	7	6	7	6-7
Wind Direction	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 (25th August to 29th August, 2019)

Weather Parameters	Range
Rainfall (mm)	0.0-20.6 (42.3)
Maximum Temperature (° C)	29.9-33.1
Minimum Temperature (° C)	23.5-24.3
Relative Humidity (%)	79.0-96.0
Wind Speed (Km/h)	4.4-8.1
Cloud Amount (Okta)	Clear Sky
Wind Direction	South/South-Westerly

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 and store the amount of rainfall to be received during next few days.
- Apply irrigation, if required, & maintain 2-5 cm water level up to 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 done within next three days.

Aman Paddy

- Apply irrigation, if required, & maintain 5-7 cm standing water up to maximum tillering stage. Impounding condition should not be of more than 7 cm in rice crop. In excess impounding condition, number of tillers is affected.
- 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. Weeding should be done before application of nitrogenous fertilizer.
- In the rice crop, continuous monitoring of the economically harmful insects like stem borer, rice hispa, rice caseworm, gall midge should be done. For this light trap should be used. Light trap should be placed at some distance from the crop and bulb should be lightened from evening 06.30 PM to 10.30 PM and collected insects should be destroyed in the morning hours.
- **If rice hispa is noticed**, delay the first top dressing, manual collection and killing of beetles, the shoot tips can be cut, and then spray Quinalphos at the rate of 0.5 ml per 1 L water.
- Make proper surveillance of the incidences sheath blight and sheath rot and if noticed, apply appropriate fungicides to control the 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, Nigershal 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. After flood livestock are generally infected by parasite, therefore, it is important to provide anthelmintic treatment (After consultation with Registered Vety. Practitioner) to the livestock to prevent parasitic infection after flood.
6. 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.
7. Due to recent flood over the zone some of the fish grower faces huge losses. Almost entire stock of fishes has flown out with flood water. After draining out of flood water, farmers should follow the following operations before new stocking in the fish pond, a. Apply lime @ 30 kg per bigha of pond. b. 15 days to 20 days after lime application apply 250-300 kg FYM per bigha of pond. c. If possible provide net around the pond to protect from flowing out with flash flood.
8. 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.