

Agromet Advisory Bulletin for Bandarban District

		
	 Agro-Meteorological Information Systems Development Project Component-C of BWCSR Department of Agricultural Extension	
Date: 20th November, 2019 Bulletin No. 95	Agromet Advisory Bulletin for Bandarban District (20th November to 24th November, 2019)	

Weather Conditions for last four days (16th November to 19th November, 2019)

Weather Parameters	16.11.19	17.11.19	18.11.19	19.11.19	Range
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0-0.0 (0.0)
Maximum Temperature (° C)	32.1	30.5	29.6	30.5	29.6-32.1
Minimum Temperature (° C)	22.5	21.3	20.5	20.5	20.5-22.5
Relative Humidity (%)	54.0-94.0	46.0-97.0	52.0-92.0	49.0-92.0	46.0-97.0
Wind Speed (km/h)	3.7	3.7	1.9	0.0	0.0-3.7
Cloud Amount (Okta)	0	0	1	0	0-1
Wind Direction	North/North-westerly	North/North-westerly	North/North-westerly	North/North-westerly	North/North-westerly

Weather forecast as per Bangladesh Meteorological Department for the next 5 days (20th November to 24th November, 2019)

Weather Parameters	Range
Rainfall (mm)	0.0-0.0 (0.0)
Maximum Temperature (° C)	25.9-27.5
Minimum Temperature (° C)	15.1-16.7
Relative Humidity (%)	61.0-86.0
Wind Speed (Km/h)	4.3-4.6
Cloud Amount (Okta)	Clear Sky
Wind Direction	North/North-westerly

Stages of Standing Crops

Crop	Stage
Aman Paddy	Soft Dough to Harvesting
Vegetables	Fruit Setting/ Vegetative

Agromet Advisories

Aman Paddy

- Remove water from the field completely 15 days before harvesting.
- Where 80% grain found mature harvest the crop as sunny weather will prevail. At the time of harvesting, pick the black earhead (affected earhead with false smut disease) and destroy them by burning. dry condition prevailed during last four days.
- As dry condition prevailed during last four days & dry condition will also likely during next five days, apply irrigation & 2-5 cm water level should be maintained at stages soft dough to hardening of grain stage.
- Continuous monitoring of the economically harmful insects like stem borer, leaf roller, sheath blight, blast, brown spot, leaf blight, Gandhi bug, Brown Plant Hopper (BPH) should be done. Monitoring at 2-3 days' interval is advised. 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. Since fair weather is predicted in the coming 5 days, farmers can continue spraying of insecticides/ fungicides in the field.
- For management of blast disease in paddy, carry out alternative wetting and drying without cracking of the soil. Spray Nativio 75wg/ Trooper@ 0.6g/litre of water or Amister top 325 sp@ 1ml/litre of water. Spraying should be done after 3 PM so that disease can be effectively controlled. The spray should be repeated after 10-12 days as per intensity of the disease.
- As there is no possibility of getting rainfall in the coming 5 days during dough to milky stage, there is chance of incidences of Gandhi bug & BPH. For BPH Spray Isoprocarb @ 2.5g per litre water or Imidachloprid @ 2.5g per litre water. For Gandhi bug Spray Malathion @ 2ml. per litre water or Chlorpyrifos @ 2ml. per litre water. Holding fires around the field in the night hours also reduce Gundi bug population.

Vegetables

- Apply light irrigation.
- Prevailing weather condition, there is a chance of attack of black-rot of crucifers in the cabbage and cauliflower, this causes rotting of leaves and blackening of head. Apply 1 gm Streptocycline in 10 lt of water and spray thoroughly and also apply top-dressing to cauliflower field
- Use Pheromone Traps @ 20 Nos/ha. to control attack of fruit borer in brinjal, tomato and bhindi crops
- Chilli, tomato, brinjal Vegetative to flowering --Use staking for seedlings --Apply mustard cake with mixed up soil and stirring at the base of plants.

Boro Paddy:

- Take appropriate action for preparation of seedbed for boro paddy especially as this season is cyclone prone, it is advised to prepare the seedbed in high land and also make arrangement for draining out of water and also advised for community based seedbed preparation.

- Construct drain in between two seedbeds. This will be used for draining out extra water and irrigation as well.
- If the seedbed becomes yellow, apply urea at the rate of 7 gm urea per square kilometre area.

Potato

This present weather condition is ideal for land preparation & plantation of potato. Collect seeds of recommended varieties of potato from reliable sources and start planting in the field

Apply 10 kg Gobar and 8-10 kg zinc sulphate per hectare during the last stage of land preparation. And after planting of seedlings, apply 162.5-175.0 kg Urea, 200-220 kg TSP and 220-250 MOP, 100-120 kg Gypsum per hectare and well mixed with soil by the two sides of row. As rainfall is unlikely, application fertilisers may be carried out.

As there was no rainfall and there is no chance of rainfall during next few days, apply irrigation. Care should be taken so that there is no standing water in the field.

Continue land preparation as no rainfall is forecasted in coming 5 days. The fields should be thoroughly ploughed and levelled properly for uniform distribution of irrigation water or to maintain soil moisture uniformly under rainfed situation.

Horticultural crops

Present weather conditions are favorable for the planting of horticultural crops viz, papaya, mango, Banana, guava etc, farmers are advised for the planting the same at the earliest. Apply irrigation to young fruit plants.

Livestock

- Night temperature has started falling/ will fall in the district; farmers should make proper arrangements to protect their milch animals and their young ones from morning/evening cold by covering them with gunny bags during night and ample exposure to sunlight during day time to avoid pneumonia.
- Suggested to go for routine vaccination for livestock against the dreaded virus like targa, khura and PPR.
- The floor and dairy shed should be cleaned with suitable antiseptic solution and maintain a proper sanitation.
- Keep animal shed clean and de-worm domestic animals. For Foot and Mouth disease, wash the wound with potassium permanganate solution.

Poultry

- Suggested to go for routine vaccination for poultry against the dreaded diseases /virus Vaccination (RDF1) of the one week old chicks against Raniket disease, darkplague and against Gamboro disease in two weeks old chicks may be carried out after consultation with local veterinarian.
- Clean poultry shed twice in a week.
- Prevent the chicks from chilled wind directly by use of gunny bag or plastic curtains hanging in the side walls
- Arrange light from Bulb 1-2 hours after evening and not to cover the cage by polythene. It favours more production of eggs and reduce the chance of incidences of diseases.

Fishery

- Growing carp may float upward due to oxygen deficiency. Follow the following.
- Apply lime in pond water. Apply lime according to pH.
- Remove all aquatic weeds from bottom of pond
- Cut the bushes beside the surrounding for getting better sunlight.
- Agitate water for better growth of fish.
- Administer feeding on sunny days. Provide false netting for better growth of fish.