

Agromet Advisory Bulletin for Bandarban District

		
		
<p>Agro-Meteorological Information Systems Development Project Component-C of BWCSR Department of Agricultural Extension</p>		
Date: 1st January 2020 Bulletin No. 107	Agromet Advisory Bulletin for Bandarban District (01st January to 05th January 2020)	

Weather Conditions for last four days (28th December to 31st December 2019)

Weather Parameters	28.12.19	29.12.19	30.12.19	31.12.19	Range
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0-0.0 (0.0)
Maximum Temperature (° C)	22.0	22.0	22.5	26.9	22.0-26.9
Minimum Temperature (° C)	16.2	14.2	14.0	15.3	14.0-16.2
Relative Humidity (%)	72.0-94.0	60.0-100.0	72.0-100.0	58.0-96.0	58-100
Wind Speed (km/h)	7.4	1.9	1.9	0.0	0.0-7.4
Cloud Amount (Okta)	3	4	5	3	3-5
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 (01st January to 05th January 2020)

Weather Parameters	Range
Rainfall (mm)	2.6-42.4 (71.0)
Maximum Temperature (° C)	23.3-28.1
Minimum Temperature (° C)	16.5-18.4
Relative Humidity (%)	60.0-97.0
Wind Speed (Km/h)	2.1-3.5
Cloud Amount (Okta)	Partly Cloudy Sky
Wind Direction	North/North-Westerly

Agromet Advisories

Salient Advisories

- During next 24 hours night temperature may rise slightly and day temperature may remain nearly unchanged over the district and also there is chance of light to moderate fog at places over the district during mid-night to morning. As per the outlook for next 72 hours, rainfall activity may increase. As per the quantitative medium range weather forecast, light rainfall to moderately heavy rainfall is likely during next five days and may increase the humidity. **These may be congenial conditions for incidences of disease infestation in rabi crops especially to potato, tomato for early blight and blast for wheat. Under this circumstance, monitor the standing crops for incidence and spread of diseases. If symptoms are noticed, undertake plant protection measures.**
- Smoking is advised in and around the crop field during morning and evening hours to avoid effects of frost/ fog on rabi crops .
- Special care should be taken to protect the livestock, poultry, fishes from the cold as night temperature is likely to below normal and also there is a chance fall of minimum temperature during next five day. Keep the animals inside the sheds and provide dry bedding and use heaters inside cattle sheds to protect them from cold.

Vegetables

- Drain out excess water from the crop fields.
- Protect young plants of vegetable from low temperature.
- On the occurrence of yellowish brown spot in tomato, spray mancozeb 2.5-3g/litres of water Carry out weeding and hoeing operation in cauliflower and cabbage after the current spell of rainfall.
- In case of cold conditions, there may be infestation of yellow vein mosaic in okra. Farmers are advised to go for spraying of systemic fungicides after the current spell of rainfall.
- Protect young plants from low temperature. Remove the stock sprout, suckers and water sprout from budded/grafted vegetable plants.
- Monitoring is advised for infestation of fruit borers in brinjal, tomato, chilli. If infestation occurs, installation of pheromone traps @ 3-4 traps per acre is advised.

Boro Paddy:

- Continue seedbed preparation after the current spell of rainfall.
- Remove the dew deposited in the morning hours on seedlings
- If the seedbed becomes yellow, apply urea at the rate of 283 gm urea per decimal after the current spell of rainfall.
- Cover the entire nursery bed in the day time with polythene sheets and remove in the evening to avoid the effect of cool temperatures on germination and growth of nursery. Irrigate the nursery with water in night time and remove water in early morning to speed up nursery growth in cold weather conditions. Drain out excess water from the seed bed of boro paddy, if any. Maintain 2-3 cm water level on seed bed.

Potato

- Drain out excess water from the crop fields.
- Farmers are advised to do intercultural operations for conserving the moisture and removing weeds after the current spell of rainfall.
- Smoking around the field is the preventive measures against the attack of disease pathogens.
- Monitor the incidences of late blight disease periodically as there is chance of the disease due to likely incidence of light to moderate fog over the district during late night till morning. If noticed, prophylactic spraying of Krilaksil or Ridomil MZ chemical @ 1.5 g / liter water is recommended after the current spell of rainfall.
- Those who have already planted the crop should adopt mulching by using water hyacinth, straw etc. to enhance the tuber quality and yield after the current spell of rainfall.
- One weeding followed by one earthing up in potato crop is advocated during this time. Earthing up is to be done if the crop has attained stolon formation stage (25 days after planting and attained a height of 15-22 cm after the current spell of rainfall.
- Due to favourable weather conditions attack of red ant and cut worm may be observed in the potato field. Farmers are advised to apply Phorate 10% granules @ 2kg/bigha or Malathion 5% dust @ 5kg/bigha in the soil at the time of earthing up after the current spell of rainfall.

Groundnut

- Undertake intercultural operations after 14-20 days after sowing after the current spell of rainfall.
- Drain out excess water from the crop fields.
- Present weather conditions are favourable for leaf minor and thrips incidence in early sown groundnut. For control of leaf minor to spray chloripyriophos 2.5 ml/l or quinalphos 2 ml/l of water sowing after the current spell of rainfall.

Horticultural crops

- Protect young plants of horticulture crops from low temperature.
- It is advised to cover the small horticulture plants with grass to avoid cold paralysis.
- Postpone application of light and frequent irrigation /sprinkler irrigation in the evening to protect the crops from frost / cold injury. To protect young fruit plants from chilly winds, cover young fruit plants with straw/polythene sheets/ gunny bags.

Livestock

- Do not allow the rainwater to enter inside the cattle shed.
- Possibility of fall in night temperature, keep the animal under sheds and clean the surroundings to control fly and mosquito in cattle shade. Provide the cattle /animals 50 grams iodized salt 15 and 50 to 100 grams mineral mixture daily along with animal feed/fodder, green fodder to keep them healthy.
- Due to fall in night temperature and cloudy weather keep the animals under shed. Provide 50 g iodized salt and 50 to 100 g mineral mixture daily with animal feed/fodder to keep them healthy.
- Vaccinate and de-worm farm animals at regular intervals in winter season.
- Farmers are advised to give protein enriched diets to the animals. Avoid feeding of paddy straw to prevent liver fluke infection in dairy animals.

Poultry

- Do not allow the rainwater to enter inside the cattle shed.
- 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.
- Farmers are advised to protect the poultry from cold injury by keeping the coop clean and dry and use dry paddy straw as litter material and cover the sides of the coop with thick cloths during night.
- Provide artificial brooding to chicks to maintain adequate temperature.
- 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

Protect the fish population against various bacterial diseases prevalent in winter season; apply Potash @ 4-5 mg/litre of water or Sukrena WS @ 1 litre per bigha of water.

During winter months, fish are under stress and may show symptoms like erratic swimming 11 behaviour, not eating, gasping at the surface and others including mortalities. If such symptoms are observed, immediately stop feeding, liming and manuring. Consult an expert for remedial measures.

Keep pisciculture farm ponds clean. During winter, reduce the amount of food for fishes and provide feed between 2-3PM