

Agromet Advisory Bulletin for Bandarban District

		
		
<p>Agro-Meteorological Information Systems Development Project Component-C of BWCSR Department of Agricultural Extension</p>		
Date: 18th December 2019 Bulletin No. 103	Agromet Advisory Bulletin for Bandarban District (18th December to 22nd December 2019)	

Weather Conditions for last four days (14th December to 17th December 2019)

Weather Parameters	14.12.19	15.12.19	16.12.19	17.12.19	Range
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0-0.0 (0.0)
Maximum Temperature (° C)	29.0	29.6	29.2	28.7	28.7-29.6
Minimum Temperature (° C)	16.4	17.0	17.2	17.3	16.4-17.3
Relative Humidity (%)	42.0-95.0	37.0-92.0	46.0-89.0	47.0-82.0	37-95
Wind Speed (km/h)	3.7	5.6	9.2	11.1	3.7-11.1
Cloud Amount (Okta)	0	0	0	0	0-0
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 (18th December to 22nd December 2019)

Weather Parameters	Range
Rainfall (mm)	0.0-0.0 (0.0)
Maximum Temperature (° C)	23.1-26.0
Minimum Temperature (° C)	11.3-13.7
Relative Humidity (%)	51.0-75.0
Wind Speed (Km/h)	3.0-3.5
Cloud Amount (Okta)	Clear Sky
Wind Direction	North/North-Westerly

Agromet Advisories

General Advisory:

Night temperature may fall by (1-3)° C and day temperature may fall slightly over the country. Light to moderate fog may occur over the country during late night till morning. Under this circumstance, monitor the standing crops for incidence and spread of pest & diseases. If symptoms are noticed, undertake plant protection measures. Special care should be taken to protect the livestock, poultry, fishes from the cold as there is a chance fall of temperature during next five days.

Vegetables

- As there was no rainfall relatively for extended period and there is no chance of rainfall for next five days, apply adequate irrigation to moist the soil in the vegetable field.
- Complete transplanting of brinjal, tomato, chilli, late sown cauliflower and cabbage.
- To control leaf curl disease in tomato, spray Rogor @ 1 ml per litre of water to control the leaf curl disease in tomato crop which is transmitted by an insect vector.
- Since there is no possibility of getting rainfall in the coming 5 days spray Captan 50 WP 0.2% (@ 2 g/lit. of water) to control Fruit rot or anthracnose disease in the chilli crops.
- 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.
- Protect young plants from low temperature. Remove the stock sprout, suckers and water sprout from budded/grafted vegetable plants.
- Monitor the standing crops for incidence and spread of pest & diseases and monitor tomato and potato crops for early blight disease. If symptoms are noticed, undertake plant protection measures.

Boro Paddy:

- Continue seedbed preparation with assured irrigation.
- Remove the dew deposited in the morning hours on seedlings
- Apply light irrigation as there was no rainfall during past few weeks and there is no chance of rainfall during next five days.
- If the seedbed becomes yellow, apply urea at the rate of 283 gm urea per decimal.
- Arrangement for polythene may be made as this may be required to cover the seedbed during sudden drop in temperature during this season.

Potato

- Apply light irrigation as there was no rainfall during past few weeks and there is no chance of rainfall during next five days. In potato field, three irrigations are recommended. First at 25 days, second at 60 days and third at 80 days after planting of the tubers.
- Farmers are advised to do intercultural operations for conserving the moisture and removing weeds.
- 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.

- Those who have already planted the crop should adopt mulching by using water hyacinth, straw etc. to enhance the tuber quality and yield.
- 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).
- 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.

Groundnut

- Undertake intercultural operations after 14-20 days after sowing.
- As there is no chance of rainfall during next 5 days and soil is almost dry, apply irrigation to the plants which are sown 18-20 days back.

Horticultural crops

- As there was no rainfall relatively for extended period and there is no chance of rainfall for next five days, apply adequate irrigation to young fruit plants.
- Farmers are advised to go for bagging of the banana bunches with muslin cloth or polyethylene before fruit set in order to protect the fruits from the attack of banana fruit and leaf scarring beetle.
- As dry condition will prevail during next five days, apply irrigation to banana plants 15-20 days interval.
- Weather is congenial for sigatoka disease in banana, cut and remove the severely affected leaves and apply Mancozeb (Indofil M 45) @ 2.5 g/lit or Propiconazole 1ml/ litre of water followed by 4 sprays at 30 days interval

Livestock

Keep the animal shed clean.

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.

Vaccinate and de-worm farm animals at regular intervals in winter season.

Poultry

Make arrangements to protect poultry cage from cold winds.

As the temperature is dropping, provide vitamin complex to poultry also put gunny bags or plastic sheath curtains on the side walls of shed and increase bedding material by six inches to protect birds from cold winds. Care should be taken not to restrict ventilation.

Make use of bulbs to maintain proper temperature in the poultry cage

Vaccinate poultry against Ranikhet disease and infectious bronchitis.

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