



Agromet Advisory Bulletin for Bandarban District

		
		
<p>Agro-Meteorological Information Systems Development Project Component-C of BWCSR Department of Agricultural Extension</p>		
Date: 18th October 2020 Bulletin No. 190	Agromet Advisory Bulletin for Bandarban District (18th October to 22nd October 2020)	

Weather Conditions for last four days (14th October to 17th October 2020)

Weather Parameters	14.10.20	15.10.20	16.10.20	17.10.20	Range
Rainfall (mm)	0.0	5.0	0.0	0.0	0.0-5.0 (5.0)
Maximum Temperature (° C)	34.3	33.8	34.5	34.0	33.8-34.5
Minimum Temperature (° C)	26.8	26.0	27.5	26.7	26.0-27.5
Relative Humidity (%)	61.0-91.0	65.0-95.0	63.0-89.0	62.0-93.0	61-95
Wind Speed (km/h)	7.4	7.4	5.6	5.6	5.55-7.4
Cloud Amount (Okta)	5	4	4	6	4-6
Wind Direction	South/South-easterly	South/South-easterly	South/South-easterly	South/South-easterly	South/South-easterly

Weather forecast as per Bangladesh Meteorological Department for the next 5 days (18th October to 22nd October 2020)

Weather Parameters	Range
Rainfall (mm)	0.0-19.7 (29.1)
Maximum Temperature (° C)	30.8-32.1
Minimum Temperature (° C)	23.1-24.1
Relative Humidity (%)	67.0-96.0
Wind Speed (Km/h)	2.0-6.5
Cloud status	Partly Cloudy Sky
Wind Direction	South/South-easterly

Agromet Advisories

Special Agromet Advisories for CORONA virus (COVID-19) transmission in Bangladesh

Farmers and all other farm managements are advised to follow the guidelines of Government of Bangladesh to avoid infection and social transmission of CORONA virus (COVID-19). Precautions and safety measures should be taken up to prevent the Carona virus spread. Simple measures include social distancing, maintaining personal hygiene by washing hands with soap, wearing of face mask, drink hot water, stay at home and cleaning of implements and machinery. Farmers should not work in a group; consult with a doctor in case of any symptom. Please stay at home does not visit the field until it is very necessary.

Salient Weather Conditions & Forecast

The axis of monsoon trough runs through West Bengal to Assam across central part of Bangladesh. Monsoon is less active over Bangladesh and weak to moderate over North Bay. As per the weather forecast of Bangladesh Meteorological Department (BMD) during next 24 hours light rain/thunder showers accompanied by temporary gusty wind is likely to occur at a few places over the district. Day temperature may fall by (1-2) °C and night temperature may remain nearly unchanged over the district. As per the outlook issued by BMD for next 72 hours, activity may increase at the end period is likely. During last four days, light rainfall occurred and as per the quantitative medium range weather forecast, light to moderate rainfall is likely during next five days. Detail Agromet advisory are given below:

Aman Paddy

Panicle Initiation to Ripening stages

- Provide irrigation and maintain water level.
- Farmers are advised to continuously monitor the field. If any symptoms of Brown Plant Hoppers (BPH) insects are found, then should go for spray of insecticides ((Isoprocarb @ 2.5g per litre water or Imidachloprid @ 2.5g per litre water) only in clear weather and when there is no forecasting of rains.
- There is a chance of attack of Yellow stem borer in Aman rice to manage the attack, spray Carbofuran @10kg per ha.
- There is a chance of sheath blight attack. Spray Hexaconazol @ 1ml//litre water, or Tebuconazol @ 1ml/litre water.
- There is chance of BLB attack. Drain out excess water from the field. To control the disease, spray Thiovit+Potash. Avoid excess urea application.
- There is a chance of Gandhi bug and Brown plant hopper attack. For Gandhi bug spray Carbaryl 50 WP@2g/liter of water. Avoid excess irrigation in the field otherwise base will be rotten. Spray Buprofezin 25% SC@106ml/bigha for BPH attack. Maintain proper distance within the farmers during spraying.
- There is a chance of attack of leaf roller Spray Malathion @ 2ml. per litre water or Chlorpyrifos@2ml/liter of water.
- Light trap should be used for control of insects.

Vegetables

- **Cucumber:** Apply 18 kgs Urea/bigha at around 20-25 days after sowing of the plants. If you notice Irregular brown spots on the leaves, sometimes with yellow edges, it may be Alternaria Leaf Blight. Spray Tricyclazole 75WP @ 0.6 ml per liter of water at clear weather condition.
- **Brinjal: Bacterial wilting-** Wilting starts at the top when the plant starts flowering and fruit setting and eventually the whole plant shows wilt symptoms.
- **Tomato:** Late blight is first seen in the stem then it spreads to the leaves. Spray 2.5-gram Metalaxyl + Mancozeb/lit of water 3) Mix 3 gram Trichoderma with per kg of seed during seed treatment. 4) Avoid excess nitrogen fertilizer and close spacing of plants.
- **Tomato: Bacterial wilting-** Start treatment with the healthy plants. Infected plants can not be recovered, uproot the infected plants and place inside the soil with little Bleaching power. Cure: Infected plants must be eradicated. Roots of the seedlings must be treated (2.5gm carbendazim + 2 ml Teramycin capsule/litre water) before planting. Bleaching powder (3kg/acre) can be applied with irrigation water.
- **Cabbage/Cauliflower: Downy mildew:** First brown spot appears in the lower side of the leaves, and the upper side of the infected portion becomes yellowish. Later on, the spots enlarged and destroy the whole leaf. This disease is present in seeds and other parts of the leaves. Cure: 1) Mix 3-gram Thiram with per kg of seed during seed treatment. 2) Spray 2.5 gram Metalaxyl + Mancozeb/lit of water.
- **Bitter gourd & Pointed gourd:** At vegetative growth and under the present weather condition, attack of Downy mildew may be seen in the field. Mancozeb or Chlorothalonil 2 g/lit twice at 10 days interval may be sprayed to manage the attack.
- **Winter/Rabi vegetables:** Good drainage for seedbed and direct-seeded plots, 2) Adapting raised seedbed practice, 3) Use systemic fungicide Thiophanate methyl 70 % WP @2 gram/lit with a sticker to avoid fungal diseases.
- Keep vigil for attack of insect and pest and spreading of diseases and manage the weed in the field.

Horticultural crops

- Farmers are advised to go for inter cultural operations in mango orchard.
- The farmers are advised to take up plant protection measures carefully in horticultural crops like, pomegranate for bacterial blight and lime for leaf minor.
- The current weather is congenial for fruit blight and fruit rot disease in pomegranate, to control, spray Mancozeb 600g and Carbendazim 100 g @ 200 litre of water. To control thrips in pomegranate, spray Spinosad 2.5 SC @ 10 ml per 10 liters of water.
- Use fruit fly trap to control fruit fly damage in guava orchards and cucurbits.
- To control fruit blight and fruit rot disease in pomegranate, spray Mancozeb 600g and Carbendazim 100 g @ 200 litre of water.
- Plantation of banana crop should be done.
- There is a chance of Sigatoka disease in banana. Cut and burn all severely affected leaves. Spray 1% Bordeaux mixture with sticker soon after the appearance of symptoms (5 to 6 sprays at fortnightly intervals).

Livestock

- Livestock houses need to be clean.

- Protect cattle from sun.
- Vaccinate the livestock regularly.
- If the price of straw is high, increase the leaf or granular food.
- If symptoms of any disease appear, consult a veterinarian immediately for appropriate treatment

Poultry

- Keep the poultry house dry and clean.
- In poultry farms, appropriate space should be kept.
- Give the vaccine as advised by the doctor
- There is chance of Raniket, gumbra diseases in poultry; provide antibiotic drugs through water or through feed.
- Spray water on poultry shade during hot weather condition.

Fishery

- Maintain good amount of water in pond.
- Apply lime for cleaning the water.
- Select healthy, diseases free breeds of fishes from authentic sources
- To keep in touch with local fisheries office for more information.