



Agromet Advisory Bulletin for Bandarban District

		
		
<p>Agro-Meteorological Information Systems Development Project Component-C of BWCSR Department of Agricultural Extension</p>		
<p>Date: 27th May 2020 Bulletin No. 149</p>	<p>Agromet Advisory Bulletin for Bandarban District (27th May to 31st May 2020)</p>	

Weather Conditions for last four days (23rd May to 26th May 2020)

Weather Parameters	23.05.20	24.05.20	25.05.20	26.05.20	Range
Rainfall (mm)	0.0	0.0	0.0	Trace	0.0-0.0 (0.0)
Maximum Temperature (° C)	33.8	33.2	33.2	33.4	33.2-33.8
Minimum Temperature (° C)	27.3	27.3	27.6	27.5	27.3-27.6
Relative Humidity (%)	65.0-90.0	67.0-85.0	65.0-83.0	64.0-92.0	64-92
Wind Speed (km/h)	14.8	20.4	18.5	20.4	14.8-20.35
Cloud Amount (Okta)	5	4	6	7	4-7
Wind Direction	South/Southeasterly	South/Southeasterly	South/Southeasterly	South/Southeasterly	South/Southeasterly

Weather forecast as per Bangladesh Meteorological Department for the next 5 days (27th May to 31st May 2020)

Weather Parameters	Range
Rainfall (mm)	0.0-10.5 (26.5)
Maximum Temperature (° C)	32.0-33.5
Minimum Temperature (° C)	24.2-25.0
Relative Humidity (%)	66.0-91.0
Wind Speed (Km/h)	3.8-4.6
Cloud status	Partly Cloudy Sky
Wind Direction	South/Southeasterly

Agromet Advisories

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

Farmers and all other farm managements are advised to maintain the social distancing (at least 3 meters), cover their faces with masks and follow other guidelines of Government of Bangladesh to avoid infection and social transmission of CORONA virus (COVID-19).

Salient Weather Conditions & Agromet Advisories

As per the weather forecast received from the Bangladesh Meteorological Department (BMD) during next 24 hours, light to moderate rain/thunder showers accompanied by temporary gusty/squally wind is likely to occur at many places with moderately heavy to heavy falls at places over the district. Day and night temperature may fall by (1-2)°C over the district. As per the outlook issued by BMD for next 72 hours, rain/ thunder showers activity is likely to continue. During last four days, no rainfall occurred and as per the quantitative medium range weather forecast, moderately heavy amount of rainfall is likely during next five days. Detail Agromet advisories are given below.

Boro Paddy

Ripening to Harvesting stages

Continue harvesting on non rainy days. After the harvest, immediately keep it in safe and dry place for drying of grains.

Complete harvesting as early as possible

Hire the labour from the same village of cultivated land

- Maintain proper distance during harvesting

Groundnut

- Monitor the incidences of pests (hairy caterpillar, jassid, thrips, leaf miner, spodoptera & termite) & diseases (leaf spot/tikka disease, leaf rust, foot rot/stem rot, collar rot, bud necrosis) and if noticed, take appropriate preventive measure.
- Prevailing weather condition are favorable for tikka leafspot in groundnut. To control spray with hexaconazol @2ml. or carbendazim @1 g. per litre of water.
- All the plant protection measures should be taken up after the current spell of rainfall.

Vegetables

- Drain out water from the vegetable fields.
- In view of high temperature, farmers are advised for harvesting of mature vegetables at morning and evening hours and keep harvested crops in shadow
- Intercultural operation is advised in summer vegetables such as lady's finger, pumpkin, cucumber, sponge gourd, bottle gourd.
- Monitoring is advised for infestation of mites in okra. Larvae and nymph of mite are greenish red while adults are oval reddish brown in colour. Mite feed on the under surface of leaves and the

affected leaves gradually start curling and get wrinkled and crumpled. If infestation is found, spraying of Ethion @1.5-2 ml/liter of water is advised.

- All the plant protection measures should be taken up after the current spell of rainfall.

Horticulture

Fruit fly attack due to increased temperature in Mango, Guava, citrus in: fruiting: stage. Following measures may be taken up.

- Pheromon trap for fly attack
- Bend the branch of guava at ground level for better fruiting
- To prevent fruit, drop of citrus spray 10ppm solution of 2,4D
- To prevent fruit, drop of mango spray 15ppm NAA
- Due to high temperature, it is advised to provide shade to newly planted or small plants of mango. Irrigate the mango orchard during early morning, at evening or night.
- To prevent incidence of post-harvest diseases in mango fruits, it is advised to keep the fruits in warm water (~ 52oC) for 10 minutes and then keep for ripening .
- All the plant protection measures should be taken up after the current spell of rainfall.

Jute:

- It is now in vegetative stage. Monitor the pest & diseases incidences and take appropriate measures.
- There is a chance of incidences of Hairy Caterpillar. Following control measures is advised.
- Collect the egg mass and destroy
- Use light traps.
- Spray Imidocholoprid/Chlorocytrin/ Nitro @ 1ml/litre of water.
- There is a chance of incidences of Semiloper. Spray Imidocholoprid/Chlorocytrin/ Nitro @ 1ml/litre of water.
- All the plant protection measures should be taken up after the current spell of rainfall.

Livestock

- Looking into increasing temperature farmers are advised to keep their animals in shade and give regularly water to them.
- Do not graze animal after 10 am and before 3pm in open place.
- Provide the cattle/animal 50 grams iodized salt and 50 to 100 grams mineral mixture daily with feed & green fodder to keep them health
- Avoid mung mash and mustard cake in their food and supply arhar or black gram mash and sesame or linseed cake
- Increase water intake by keeping stored water near feeding bucket (80liter water/300-400kg body wt.)
- Feed them a mixture of water (15liter)+molasses (250g)+basan (500g)+salt (50g) and sodium carbonate(50g) per cow during noon hours for avoiding high temperature
- Before the onset of monsoon, immunize the farm cattle against FMD (Foot& Mouth Disease), HS (Hemorrhagic Septicemia) and BQ (Black Quarter) diseases after consultation with local veterinary doctor.

Poultry

- Day Temperature may be on higher side. To avoid heat stress in poultry birds:
- Feeding should be done during early morning and late evening,
- Avoid overcrowding and maintain proper ventilation inside the shed.
- Cover the cage with gunny bags and sprinkle water to main the cage relatively cold.
- Apply only fresh tap water for drinking purpose
- Use electrolyte in water
- Arrange fan beside the cage
- Increase number of water pot per cage

Fishery

- There may be low oxygen in the pond, increase water level and supply less feed.
- Do not depend solely on rainwater to fill your pond as when it does not rain, there may not be enough water to keep your pond full and the fish may die. Harvest the fish in pond having less water depth