Agromet Advisory Bulletin for Bandarban District

	Agro-Meteorological Information Systems Development Project Component-C of BWCSRP Department of Agricultural Extension	

Date: 3rd June 2020 Bulletin No. 151	Agromet Advisory Bulletin for Bandarban District (03rd June to 07th June 2020)

Weather Conditions for last four days (30th May to 02nd June 2020)

Weather Parameters	30.05.20	31.05.20	01.06.20	02.06.20	Range
Rainfall (mm)	6.0	0.0	2.0	11.0	0.0-11.0 (19.0)
Maximum Temperature (° C)	32.5	33.0	33.0	33.0	32.5-33.0
Minimum Temperature (° C)	25.4	25.5	25.2	27.0	25.2-27.0
Relative Humidity (%)	69.0-95.0	66.0-91.0	72.0-95.0	72.0-92.0	66-95
Wind Speed (km/h)	7.4	7.4	13.0	11.1	7.4-12.95
Cloud Amount (Okta)	7	6	6	7	6-7
Wind Direction	South/South-westerly	South/South-westerly	South/South-westerly	South/South-westerly	South/South-westerly

Weather forecast as per Bangladesh Meteorological Department for the next 5 days (03rd June to 07th June 2020)

Weather Parameters	Range
Rainfall (mm)	0.0-4.3 (6.7)
Maximum Temperature (° C)	31.7-34.6
Minimum Temperature (° C)	24.2-25.4
Relative Humidity (%)	67.0-80.0
Wind Speed (Km/h)	2.5-2.9
Cloud status	Partly Cloudy Sky
Wind Direction	South/South-westerly

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 wind is likely to occur at a few places over the district with moderately heavy to heavy falls at places over the district. As per the outlook issued by BMD for next 72 hours, no marked change is likely. During last four days, light rainfall occurred and as per the quantitative medium range weather forecast, light rainfall is likely during next five days. Maximum Temperature increased to 33.0 ^{0}C. Detail Agromet advisories are given below.

Groundnut

- Harvest the matured crop
- 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.

Vegetables

- Wash away sticky mud from base and stems of vegetable plants by spraying fresh water; to prevent rotting, spray Copper hydroxide or copper oxychloride@4g per litre of water. Staking of bamboo should be provided to crops like tomato, chilli and brinjal for better support.
- Arrange for adequate drainage to avoid water stagnation in the crop fields. Drain out excess water from the fields. Avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Harvest the matured crop immediately and store the harvested products at safe places.

Horticulture

- Weather is congenial for sigatoka leaf spot disease in banana; cut and remove all severely affected leaves and spray Propiconazol 1ml/ litre of water. Weather is congenial for burrowing nematode in banana; apply neem cake (1 kg/plant) at the time of planting to reduce the pest population. Store the harvested banana bunches in dry places to prevent disease incidence due to rainfall.
- Provide mechanical support to banana, young fruit plants and vegetables and carry out propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places. Keep cattle/goats indoor during thunderstorm/dust storm.

- Weather is congenial for bud rot disease in coconut; spray 1% Bordeaux mixture on the spindle leaf and crown of palms. Make provisions for small drains at required interval in the orchards to drain out excess water.

Jute:
- To protect capsularis jute crop (>4 ft tall) from lodging due high wind speed, the peripheral jute plants (round the field) need to be tied together by taking 4-5 jute plants in a consecutive manner.
- 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/Chlorocyrin/ Nitro @ 1ml/litre of water.
- There is a chance of incidences of Semiloper. Spray Imidocholoprid/Chlorocyrin/ Nitro @ 1ml/litre of water.

Livestock

- Provide supplemental feed of minerals and vitamin mixture farm animals; carry out proper deworming schedule and vaccination schedule against FMD.
- Keep the cattle under shed during heavy rainfall. Keep the animals in dry and high (raised platform) places. Take proper care of the shelters and look out for any possible outbreak of diseases of livestock. Do not let the animals outside during thundershower. Avoid water logging of floor of the animal house.
- Allow the animals in the ponds or wash the animals 2-3 times in a day with cold water. Vaccinate the animals before onset of monsoon against foot and mouth disease (FMD vaccination), BC vaccination against Black Quarter and also vaccinate against Haemorrhagic Septcaemia. Vaccinate (ET vaccine) sheep and goats against Enterotoximia before onset of monsoon.

Poultry

- Hang gunny bags in and around poultry shed to protect birds from high temperature; provide birds a well-balanced feed fortified with minerals, vitamins and amino acid supplements. due to increase in temperature, provide cool water for poultry birds. Add electrolytes (KCl, NaCl and NaCO3) in feed and water.

Fishery

- Drain out salt water from pond completely with the help of pump; remove all the fish from pond; apply lime in the pond after draining out water; wait till rain water fills the pond.
- Repair damaged dykes of fisheries ponds and take care so that fishes do not escape. Maintain outlet pipe from the pond so that excess water pass away and the water level is maintaining. Avoid fishing operations in the river. Movement in boat and motor boats is not advisable