


Agromet Advisory Bulletin for Bandarban District

		
		
<p>Agro-Meteorological Information Systems Development Project Component-C of BWCSR Department of Agricultural Extension</p>		
Date: 14th June 2020 Bulletin No. 154	Agromet Advisory Bulletin for Bandarban District (14th June to 18th June 2020)	

Weather Conditions for last four days (10th June to 13th June 2020)

Weather Parameters	10.06.20	11.06.20	12.06.20	13.06.20	Range
Rainfall (mm)	27.0	0.0	3.0	1.0	0.0-27.0 (31.0)
Maximum Temperature (° C)	34.1	34.0	34.0	34.0	34.0-34.1
Minimum Temperature (° C)	27.5	26.5	26.5	27.0	26.5-27.5
Relative Humidity (%)	72.0-96.0	60.0-95.0	64.0-94.0	68.0-88.0	60-96
Wind Speed (km/h)	1.9	9.2	11.1	13.0	1.85-12.95
Cloud Amount (Okta)	7	6	7	6	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 (14th June to 18th June 2020)

Weather Parameters	Range
Rainfall (mm)	7.1-58.0 (132.9)
Maximum Temperature (° C)	28.9-32.3
Minimum Temperature (° C)	25.0-25.8
Relative Humidity (%)	77.0-95.0
Wind Speed (Km/h)	3.9-5.4
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

Southwest monsoon has set on over Bangladesh. Monsoon is fairly active over Bangladesh and moderate over North Bay. 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 many places over the district with heavy to heavy falls at places over the district. Day temperature may rise slightly and night temperature may remain nearly unchanged over the country. As per the outlook issued by BMD for next 72 hours, rain/thunder showers is likely to continue. During last four days, light to moderately heavy rainfall occurred and as per the quantitative medium range weather forecast, light to heavy rainfall is likely during next five days. Detail Agromet advisories are given below.

Aus

Recovery stage

- Maintain in 3-4inches water level.
- Inspect & monitor disease-pest e.g blast, rice bug, stem borers and others and take appropriate plant protection measures.
- After decrease in water level from aus paddy field, apply potash fertilizer as top dress by filling gap after 5-7 days and also urea fertilizer after 3-5 days. Urea fertilizer should not be applied if the paddy is in early tillering stage. After 5-7 days, if necessary, urea fertilizer should be applied by breaking the tillers and filling the gap. At this time, it is better to use additional 5 kg of potash fertilizer per bigha in all types of aus paddy fields.
- If the population of Thrips and Green Leaf Hopper exceeds 25%, apply Malathion group insecticide at the rate of 1ml/1 litre of water.
- All the plant protection measure should be taken after the current spell of rainfall.

Aman Paddy

- Advise for preparation of seeded for Aman paddy in *kharif season*.
- Start sowing of dry seeded long duration paddy after proper tillage operation like ploughing, weeding etc.
- Before sowing seed should be treated by Diethane M-45 properly
- Farmers are advised to practice Dapog method for raising nursery bed.

Groundnut

- Harvest the matured crop on non rainy days.

- 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.
- Drain out excess water, if any, from the land.
- All the plant protection measure should be taken after the current spell of rainfall.

Vegetables

- Drain out excess water.
- Hand pollination is effective for more production in case of tassel gourd and pointed gourd. Advised to cut aged leaves and continue others intercultural operations in vegetables land.
- 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.
- All the plant protection measure should be taken after the current spell of rainfall.

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:

- Keep the jute land weed free by weeding and uproot comparatively under growth plant during the time.
- There is a chance of incidences of Semilooper. Spray Imidocholoprid/Chlorocytrin/ Nitro @ 1ml/litre of water. Semilooper and mites may be infested in drought and humid weather and so placing 10-12 bamboo sticks/ plant branch @33 decimal land for controlling insects as environment friendly way. Besides, inspect the land regularly.

- 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/Chlorocytrin/ Nitro @ 1ml/litre of water.
- All the plant protection measure should be taken after the current spell of rainfall.

Betel vine:

- At Leaf growing stage the fencing and structure of betel vine garden broken due to “strong wind. Repair the structure as early as possible and if required took down the creeper from the structure.
- Wet the plant and the base soil with copper oxychloride solution --Spray 1% Bordeaux mixture at the base.
- Intercultural operations need to continue as others month.
- Hail storm and western storm may be possible at this time, so special care should be given for beetle leaves .
- All the plant protection measure should be taken after the current spell of rainfall.

Livestock

- During the month, cattle vaccination need to be provided for controlling Anthrax and HS (Hemorrhagic septicemia) disease (not disease cattle). In this time, mosquito infestation may increase and advised for arranging curtain. Regular bathing the cattle while increasing hot weather.
- 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 Enterotoxemia before onset of monsoon.

Poultry

- Chicken may be affected water pox, typhoid and so providing required vaccinations regularly.
- 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

- Raise the pond specially nursery pond dyke to avoid submergence during flood. Take preparation like brood fish, necessary hormones and equipment for fish reproduction. Apply liming (1kg/decimal land) excavated waterbody during the month. Moreover, apply 10 kg cow dung, 200gm urea, 100 TSP by mixing with water for one decimal pond area, Continue intercultural operation and irrigation on dyke gardening. In addition to keep in touch with local fisheries office for more information.
- 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