



Agromet Advisory Bulletin for Bandarban District

		
		
<p>Agro-Meteorological Information Systems Development Project Component-C of BWCSR Department of Agricultural Extension</p>		
Date: 29th April 2020 Bulletin No. 141	Agromet Advisory Bulletin for Bandarban District (29th April to 03rd May 2020)	

Weather Conditions for last four days (25th April to 28th April 2020)

Weather Parameters	25.04.20	26.04.20	27.04.20	28.04.20	Range
Rainfall (mm)	8.0	24.0	0.0	0.0	0.0-24.0 (32.0)
Maximum Temperature (° C)	32.0	31.8	32.0	32.2	31.8-32.2
Minimum Temperature (° C)	21.5	22.2	21.5	24.0	21.5-24.0
Relative Humidity (%)	64.0-94.0	71.0-94.0	44.0-95.0	53.0-93.0	44-95
Wind Speed (km/h)	3.7	7.4	1.9	5.6	1.85-7.4
Cloud Amount (Okta)	7	8	6	7	6-8
Wind Direction	South/Southe asterly	South/Southe asterly	South/Sout heasterly	South/South easterly	South/Southeas terly

Weather forecast as per Bangladesh Meteorological Department for the next 5 days (29th April to 03rd May 2020)

Weather Parameters	Range
Rainfall (mm)	0.0-38.2 (71.7)
Maximum Temperature (° C)	29.1-33.3
Minimum Temperature (° C)	21.8-22.6
Relative Humidity (%)	55.0-92.0
Wind Speed (Km/h)	2.2-3.4
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, rain/thunder showers accompanied by lightning flashes and temporary gusty/squally wind is likely to occur at many places over the district. Day temperature may remain nearly unchanged and night temperature may rise slightly over the district. As per the outlook issued by BMD for next 72 hours, rain/thunder showers activity may continue. During last four days, moderately heavy rainfall (32.0 mm) occurred and as per the quantitative medium range weather forecast, heavy rainfall (71.7 mm) is likely during next five days. Detail Agromet advisories are given below.

At present avoid application of irrigation, fertilizers, pesticides as well as harvesting of matured crops etc. including draining out excess water from the crop fields. Provide mechanical support to the standing banana and other horticultural crops and also stacking of vegetables. Maintain a good height of embankment around the pond. If possible, provide net or bamboo chatai around the pond to protect from flowing out with heavy rainfall. Detail advisories are given below.

Boro Paddy

Panicle Initiation to Soft Dough

- There is 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. Where early transplanted paddy found 80% maturity, harvest and transfer it to safe place immediately. Spray Buprofezin 25% SC@106ml/bigha for BPH attack. Maintain proper distance within the farmers during spraying.
- Maintain 2-5 cm water level. Drain out excess water.
- Arrange proper solarisation within the row by stirring the plants after each 2 rows.
- Spraying should be done during afternoon hours or at morning hours from 10:00 a.m. to 11:00a.m and after the current spell of rainfall.
- As boro cultivation is going on full swing, it is advised to monitor the incidences of other pests and diseases and take appropriate plant protection measures as advised by the upazila Agriculture Office or Sub-Assistant Agriculture Officer.

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.

Vegetables

- For control of fruit and shoot borer in brinjal, it is advised to apply Chlorpyrifos 20 EC @ 20 ml or Emamectin Benzoate 5 SP @ 3 g or Chlorantraniliprole 18.5 SC @ 3 ml or Cypermethrin 10 EC @ 10 ml or Lambda-cyhalothrin 5 EC @5 ml/10 litre water. Spray Diafenthiuron 50 WP @ 10 g/10 litre water.
- Monitoring is advised for infestation of leaf hopper in okra. Spraying of Imidacloprid @ 0.5ml/litre of water is recommended for control of leaf hopper.
- Intercultural operation is may be done in summer vegetables like lady finger, pumpkin, cucumber, sponge gourd, bottle gourd.
- It is advised to monitor the tomato crop for leaf curl. Spray of Imidacloprid @ 0.5ml/litre of water during clear weather is advised and remove virus infected plants.

Horticulture

- It is advised to provide mechanical support in banana and papaya plants to prevent lodging. Harvest the matured and undamaged banana bunches and papaya fruits and spray Copper oxychloride @ 3 g per litre of water for control of fungal diseases.
- In case of hot weather condition, it is advised to irrigate fruiting mango plants with an interval of 7-10 days.
- Intercultural operation and mulching are advised in the standing crops as a contingency measure
- Farmers are advised to keep vigilance on insect-pest and diseases and follow proper weed control measures and cover fruit seedling with rice straw (parali)/thatches in nursery.
- To avoid fruit fall in mango crop, it is advised to spray Planofix regulator 20 ppm and 1% Calbor micronutrient.
- Tthe prevailing weather conditions are favorable for incidence fruit fly in mango. Farmers are advised to keep Methyl Uzanol traps @ 6-7 /acre to trap the fruit fly.

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- Continue sowing of seeds.

Livestock

- It is advised to keep animal shed hygienic and cleaned to avoid flies and mosquitoes. Regular check-up for infectious disease like FMD, tuberculosis and Brucellosis should be done.
- 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.
- Famers are advised to keep the floor of the animal habitation dry to avoid hoof infection and to prevent fly breeding.
- Arrangements should be made so water rain water should not enter in cattle shed.

Poultry

- Suggested to go for routine vaccination for poultry against the dreaded diseases /virus Vaccination (RDF1) of the one week old chicks against Raniket disease, darkplague and against Gamboro disease in two weeks old chicks may be carried out after consultation with local veterinarian.
- It is advised to align the long axis of poultry shed in east-west direction. This will prevent the direct sunshine over the birds.
- Regularly inspect the droppings of the poultry bird for any disease symptoms and immediately separate/remove the diseased and dead birds from the healthy ones.

Fishery

- Because of increase in temperature, it is advised to add cow dung and lime or rice bran and mustard cake in the pond as a natural food for fishes @ 5 kg/day/ acre area of pond.
- Feed the major carp with rice bran and ground nut oil cake at 1:1 ratio at the rate of 5 % of body weight
- Maintain 1 to 1.5mt average depth of water in the pond.
- As the temperature is rising, farmers can start feeding their fishes with available fish feed or they can feed their fishes with a mixture Rice bran and MOC in 1:1 ratio @3% of body weight of the total biomass in their ponds.
- To avoid bacterial disease liming should be done at appropriate dose.