

Agromet Advisory Bulletin for Feni District

		
		
<p>Agro-Meteorological Information Systems Development Project Component-C of BWCSR Department of Agricultural Extension</p>		
Date: 19th January 2020 Bulletin No. 112	Agromet Advisory Bulletin for Feni District (19th January to 23rd January 2020)	

Weather Conditions for last four days (15th January to 18th January 2020)

Weather Parameters	15.01.20	16.01.20	17.01.20	18.01.20	Range
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0-0.0 (0.0)
Maximum Temperature (° C)	27.0	28.7	29.8	29.8	27.0-29.8
Minimum Temperature (° C)	12.2	13.0	13.5	14.2	12.2-14.2
Relative Humidity (%)	39.0-96.0	38.0-97.0	29.0-97.0	35.0-95.0	29-97
Wind Speed (km/h)	1.9	1.9	1.9	1.9	1.85-1.85
Cloud Amount (Okta)	0	0	0	0	0-0
Wind Direction	North/North-Westerly	North/North-Westerly	North/North-Westerly	North/North-Westerly	North/North-Westerly

Weather forecast as per Bangladesh Meteorological Department for the next 5 days (19th January to 23rd January 2020)

Weather Parameters	Range
Rainfall (mm)	0.0-0.5 (0.5)
Maximum Temperature (° C)	25.7-28.5
Minimum Temperature (° C)	10.9-13.5
Relative Humidity (%)	43.0-74.0
Wind Speed (Km/h)	2.1-2.7
Cloud Amount (Okta)	Partly Cloudy Sky
Wind Direction	North/North-Westerly

Agromet Advisories

Salient Advisories

- As per the Bangladesh Meteorological Department (BMD), during next 24 hours weather may remain mainly dry with temporary partly cloudy sky elsewhere over the country. Light to moderate fog may occur at places over the district. Temperature: Night temperature may fall by (1-2)°C and day temperature may fall slightly over the district. As per the outlook issued by BMD for next 72 hrs, night temperature may fall further over the district. As per the quantitative medium range weather forecast, trace rainfall is likely over the district.

Vegetables

- As dry conditions prevailed during last four days and also dry condition is likely during next five days, apply irrigation in the vegetable field.
- In perennial vegetables, apply organic mulches after earthing up and weeding to conserve residual soil moisture as well as to maintain the soil temperature
- On the occurrence of yellowish brown spot in tomato, spray mancozeb 2.5-3g/litres of water Carry out weeding and hoeing operation in cauliflower and cabbage
- Monitoring is advised for infestation of fruit borers in brinjal, tomato, chilli. If infestation occurs, installation of pheromone traps @ 3-4 traps per acre is advised.
- Weather is congenial for sucking pests in vegetables; spray recommended pesticides.

Boro Paddy:

- Continue seedbed preparation with assured irrigation. Simultaneously start preparation of main field for transplanting of paddy.
- Remove the dew deposited in the morning hours on seedlings.
- If the seedbed becomes yellow, apply urea at the rate of 283 gm urea per decimal.
- Apply 400 gm gypsum per decimal if the seedlings are still not recovered after application of urea.
- Also spread ash over the seedbed for better germination.
Cover the entire nursery bed in the day time with polythene sheets and remove in the evening to avoid the effect of cool temperatures on germination and growth of nursery. Irrigate the nursery with water in night time and remove water in early morning to speed up nursery growth in cold weather conditions. Keep 2-3 cm water level on seed bed.
- The main field should be prepared for transplanting of boro paddy with 3-4 times ploughing followed by laddering and Levelling should be done properly to retain water uniformity.

Mustard:

- As dry conditions prevailed during last four days and also dry condition is likely during next five days, apply irrigation in the mustard field at the time of flowering for late sown crop or pod initiation for early sown crop and also advise for weeding in mustard field.
- Regularly check the mustard crop for pest population. Monitor the crop against attack of leaf eating caterpillars.
- Monitor the crop against attack of painted bug.

- Occurrence of saw fly may be seen in the mustard crops. To control this pest spray Chlorpyrifos 20 EC @ 5 ml/litre of water on fair weather.
- Alternaria blight may infect the mustard plant under the present weather condition. It is advised to spray Rovral-5- WP @ 2% (mix 2gm in 1 litre water) three to four times at an interval of 10-12days.
- If the mustard crop is at pod formation stage; go for intercultural operations followed by irrigation.

Lentil

- As dry conditions prevailed during last four days and also dry condition is likely during next five days, apply light irrigation.
- These are in vegetative to flowering stage. Apply intercultural operation by removing weeds from the field when the plants are of 30-35 days old.
- There is chance of incidence of Stemphylium blight under the present weather condition. If noticed, spray Rovral 50 WP or Phalitur 250 EC or mix both the fungicides and mix with water @ 2% three to four times after 7 days interval under light sunny condition in the morning hours between 9-10 am.
- Present weather is conducive for the occurrence of wilt disease in lentil. Hence, spraying of Carbendazim @ 1 g/ litre water twice at weekly interval is recommended.

Horticultural crops

- Protect young plants of horticulture crops from low temperature.
- It is advised to cover the small horticulture plants with grass to avoid cold paralysis.
- To protect young fruit plants from chilly winds, cover young fruit plants with straw/polythene sheets/ gunny bags.
- Young banana plants of 3-4 months age are prone to attack of pseudostem weevil; spray Chlorpyrifos 2 ml/litres of water.
- Weather is congenial for bud rot disease in coconut; spray Bordeaux mixture 1% on spindle leaves and crown of disease affected as well as neighbouring palms.
- Apply irrigation to coconut plants at 15 days interval.
- Due to high relative humidity and low minimum temperature, sooty mould disease may occur in mango. Spray Phosphamidon @ 2ml/ litre + 5% maida.

Livestock

- Possibility of fall in night temperature, keep the animal under sheds and clean the surroundings to control fly and mosquito in cattle shade. Provide the cattle /animals 50 grams iodized salt 15 and 50 to 100 grams mineral mixture daily along with animal feed/fodder, green fodder to keep them healthy.
- Due to fall in night temperature and cloudy weather keep the animals under shed. Provide 50 g iodized salt and 50 to 100 g mineral mixture daily with animal feed/fodder to keep them healthy.
- Vaccinate and de-worm farm animals at regular intervals in winter season.
- Farmers are advised to give protein enriched diets to the animals. Avoid feeding of paddy straw to prevent liver fluke infection in dairy animals.

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.
- Farmers are advised to protect the poultry from cold injury by keeping the coop clean and dry and use dry paddy straw as litter material and cover the sides of the coop with thick cloths during night.
- Provide artificial brooding to chicks to maintain adequate temperature.
- Arrange light from Bulb 1-2 hours after evening and not to cover the cage by polythene. It favours more production of eggs and reduce the chance of incidences of diseases.
- It is advised to align the long axis of poultry shed in east-west direction. This will prevent the direct sunshine over the birds.

Fishery

Protect the fish population against various bacterial diseases prevalent in winter season; apply Potash @ 4-5 mg/litre of water or Sukrena WS @ 1 litre per bigha of water.

During winter months, fish are under stress and may show symptoms like erratic swimming 11 behaviour, not eating, gasping at the surface and others including mortalities. If such symptoms are observed, immediately stop feeding, liming and manuring. Consult an expert for remedial measures.

Keep pisciculture farm ponds clean. During winter, reduce the amount of food for fishes and provide feed between 2-3PM.

It is advised to maintain good amount of water in pond to save fishes from low temperature.