


## Agromet Advisory Bulletin for Feni District

		
	 <b>Agro-Meteorological Information Systems Development Project</b> <b>Component-C of BWCSR</b> <b>Department of Agricultural Extension</b>	
<b>Date: 8th May, 2019</b> <b>Bulletin No. 41</b>	<b>Agromet Advisory Bulletin for Feni District (8th May to 12th May, 2019)</b>	

### Weather Conditions for last four days (4th May to 7th May, 2019)

Weather Parameters	04.05.19	05.05.19	06.05.19	07.05.19
<b>Rainfall (mm)</b>	9.8	60.8	3.8	0
<b>Maximum Temperature (° C)</b>	34.5	30.5	33.5	34.4
<b>Minimum Temperature (° C)</b>	26.7	23.8	27	26
<b>Relative Humidity (%)</b>	56-93	25-93	52-96	57-96
<b>Cloud Amount (Okta)</b>	Clear sky	Clear sky	Clear sky	Clear sky
<b>Wind Speed (km/h)</b>	10.18	8.1	3.44	3.16
<b>Wind Direction</b>	South-west/Southerly	South-west/Southerly	South-west/Southerly	South-west/Southerly

### Weather forecast as per Bangladesh Meteorological Department for the next 5 days (8th May to 12th May, 2019)

Weather Parameters	Range
<b>Rainfall (mm)</b>	0.0
<b>Maximum Temperature (° C)</b>	32.84
<b>Minimum Temperature (° C)</b>	26.26
<b>Relative Humidity (%)</b>	77.6-83.0
<b>Cloud Amount (Okta)</b>	Clear sky
<b>Wind Speed ( Km/h)</b>	12.06
<b>Wind Direction</b>	South-west/Southerly

Name of the Crop	Agromet Advisories
<p><b>Boro Paddy</b></p>	<p><b>Hard dough / Maturity stage/ Harvesting</b></p> <p>Remove the water from the field 10-15 days before harvesting.</p> <p>Where early transplanted paddy found 80% maturity, harvest immediately otherwise due to Norwester shattering loss will take place.</p> <p>There are a chance of incidences of blast and brown spot disease due to rising temperature and higher diurnal temperature – Spray Nativo group of pesticide for control of blast disease Apply a mixture of Trycyclozole and Hexaconazole @2ml/liter of water at 10 days interval for control of brown spot</p> <ul style="list-style-type: none"> <li>• Stem borer in rice. Soil and air temperatures are becoming favourable for the attack of stem borer in boro rice. Constant monitoring is required for its level of incidences. The pest may be identified and controlled by using light traps. The pest may also be controlled by spraying carbofuran/Cartap/Fipronil/Diazinon group of insecticide.</li> <li>• Attack of rice bug in milky/ dough stage cause empty grains and leads to sever loss. To control the pest, apply 5% malathion dust @ 2-3 kg per bigha of land. Application of fertilizer and chemicals should be adopted only in rain free weather.</li> <li>• For Gandhi bug spray Carate 2ml/liter of water</li> <li>• -- --Spray Buprofezin 25% SC@106ml/bigha for BPH attack</li> <li>•</li> </ul> <p>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.</p> <p><b>Aus Paddy: Seedbed</b></p> <p>Remove weeds by hand.</p>
<p><b>Green Gram</b></p>	<p><b>Vegetative Stage</b></p> <p>Weeding is advised under the present weather conditions.</p> <p>Apply light irrigation as soil moisture is low in the crop field</p> <ul style="list-style-type: none"> <li>• There is a chance of incidences of cercospora disease. If found, spay 1 gm Carbendazyme group fungicide mixing with one litre water in 10 days intervals</li> <li>• There is a chance of incidence of leaf rot disease. If found, apply 2 ml tebuconazole group fungicide mixing with 1 lite</li> </ul>

	<ul style="list-style-type: none"> <li>• There is a chance of incidence of powdery mildew. If found, apply 1 ml propinazole group fungicide mixing with 1 lite water</li> <li>• Under warm &amp; humid condition, there is a chance of incidences of thrips. If found, apply 1 ml diacylhydrazine group insecticides like intrepid mixing like with 1 lite water</li> </ul> <p>Due to occurrence of rainfall for a prolonged period in last few weeks preceded by gradual increase in temperature and relative humidity, incidence of blight may be observed in the green gram crops. To control this disease apply Carbendazim 0.05% @ 300-500 g in 600-700 lit of water at an interval of 12-15 days</p> <p>Monitoring is advised against attack of hairy caterpillars in the crop. The caterpillars which are profusely covered with long greyish hairs eat foliage, soft portion of stem and branches. In severe cases of infestation, the plants may be completely denuded of leaves. For management of insect-pest, spraying of Methyl parathion 50EC@2.0ml/liter or Chlorpyriphos 20 EC@2.5ml/liter of water is advised</p>
<b>Groundnut</b>	<p><b>Maturity to Harvest stage</b></p> <p>Apply light irrigation at frequest intervals as the temperature will be relatively high for next five days.</p> <ul style="list-style-type: none"> <li>• Prevailing weather condition are favorable for tikka leafspot in groundnut. To control spray with hexaconazol @2ml. or carbendazim @1 g. per litre of water</li> <li>• Harvest the crop as there is no chance of rainfall for next few days and keep it in dry place</li> </ul>
<p><b>Brinjal, Pointed Gourd, Cucumber, Bitter gourd, Ridge gourd, Yard long bean &amp; Lady's finger</b></p>	<p><b>Fruit Setting/ Vegetative</b></p> <ul style="list-style-type: none"> <li>• Due to possibility of dry weather and increase in day temperature Regular monitoring of the summer vegetables crops should be done and farmers are advised to apply light irrigation as per requirement</li> <li>• For pointed gourd, cucumber, ridge gourd and bitter gourd periodic hand weeding should be followed. Hand pollination in pointed gourd early in the morning helps to set cent percent fruit. If downy mildew appears in the leaf, alternate spraying with Mancozeb 64% + Metalaxyl 8%( Putamil 72 WP (Prime Agro Limited), AP-1350)-@2gm/litre or Mancozeb 50% + Phenamidone 10% (Secure 600 WG (Bayer Crop Science) AP-628 -@2gm/litre at 7-10 days interval is very effective.</li> <li>• Seeds of cucumber, bitter gourd, Yard long bean, ridge gourd, Lady's finger are to be sown providing light irrigation.</li> <li>• For whitefly and jassid attack in Lady's finger, spray 0.5% concentration soap water or 5 ml liquid soap/ litre. Preserve spider in the fields (one spider kills 2-15 jassids per day).Grind 500gm neem seeds and mix with 10 litre water and keep it 12</li> </ul>

	<p>hours. After filtering the liquid spray the same to jassid affect field as this may reduce the incidences of the pest. For control of the white fly spray Profenofos 40%+ Cypermethrin 2.5%- Shobicron 425 EC @ 2ml/ litre at 10 days intervals.</p> <ul style="list-style-type: none"> <li>• At early growth stage and during flowering of cucurbits, apply nitrogenous fertilizers</li> </ul>
<b>LIVESTOCK</b>	<ul style="list-style-type: none"> <li>• Looking into increasing temperature farmers are advised to keep their animals in shade and give regularly water to them.</li> <li>• 2. Do not graze animal after 10 am and before 3pm in open place.</li> <li>• 3. Provide the cattle/animal 50 grams iodized salt and 50 to 100 grams mineral mixture daily with feed &amp; green fodder to keep them healthy.</li> </ul>
<b>Poultry</b>	<p>To avoid heat stress in poultry birds:</p> <p>→ Feeding should be done during early morning and late evening,</p> <p>→ Avoid overcrowding and maintain proper ventilation inside the shed.</p> <p>→ Cover the cage with gunny bags and sprinkle water to main the cage relatively cold.</p>