

## Agromet Advisory Bulletin for Bandarban (Chattogram) District

		
		
<p><b>Agro-Meteorological Information Systems Development Project</b>  <b>Component-C of BWCSR</b>  <b>Department of Agricultural Extension</b></p>		
<b>Date: 14th April, 2019</b> <b>Bulletin No. 34</b>	<b>Agromet Advisory Bulletin for Bandarban (Chattogram) District</b> <b>(14th April to 18th April, 2019)</b>	

### Weather Conditions for last four days (10th April to 13th April, 2019)

Weather Parameters	10.04.19	11.04.19	12.04.19	13.04.19
<b>Rainfall (mm)</b>	15	16	1	0
<b>Maximum Temperature (° C)</b>	31	30.8	32	32.3
<b>Minimum Temperature (° C)</b>	21	25.4	25	25.6
<b>Relative Humidity (%)</b>	67-96	54-88	55-96	51-97
<b>Cloud Amount (Okta)</b>	Clear sky	Clear sky	Clear sky	Clear sky
<b>Wind Speed (km/h)</b>	9.71	5.55	4.87	5.33
<b>Wind Direction</b>	Southwest/Southerly	Southwest/Southerly	Southwest/Southerly	Southwest/Southerly

### Weather forecast as per Bangladesh Meteorological Department for the next 5 days (14th April to 18th April, 2019)

Weather Parameters	Range
<b>Rainfall (mm)</b>	0.0
<b>Maximum Temperature (° C)</b>	35.28
<b>Minimum Temperature (° C)</b>	19.88
<b>Relative Humidity (%)</b>	56.0-67.2
<b>Cloud Amount (Okta)</b>	Clear sky
<b>Wind Speed ( Km/h)</b>	4.98
<b>Wind Direction</b>	Southwest/Southerly

The district gets light rainfall last few days (there is no chance of rainfall for next five days). Under this prevailing weather and ground conditions, following advisories in respect of irrigation, application of fertilizer, pesticides and harvesting of standing crops. etc have been prepared and mentioned below.

Name of the Crop	Agromet Advisories
<b>Boro Paddy</b>	<p><b>Flowering / Milky stage ( Check the stage)</b>            Where seedlings are 90-110 days old apply last top dressing with urea and potash            At maximum tillering stage, start management of main field regarding all aspects like weed control.            Maintaining the water level up to 5-7 cm</p> <p>There are a chance of incidences of blast and brown spot disease due to rising temperature and high humidity – Spray Nativo group of pesticide for control of blast disease Apply a mixture of Tricyclozole and Hexaconazole@2ml/liter of water at 10 days interval for control of brown spot</p> <ul style="list-style-type: none"> <li>• As there is chance of high humidity it is advised to monitor the following pests and diseases incidences and if noticed in the field apply recommended pesticides after the current spells of rainfall.</li> <li>• Blight disease-Apply 60 gm potash fertilizer, 60 gm thiovit and 20gm zinc fertilizer with 10 liter water per 5 decimal.</li> <li>• Leaf folder. Spray Malathion/Fenitrothion group insecticides</li> <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> </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>
<b>Maize</b>	<p><b>Maturity to harvest (Rabi).</b>  <b>Vegetative stage ( Kharif 1)</b>            Harvest the rabi maize</p> <ul style="list-style-type: none"> <li>• Apply 3rd irrigation to 60-70 days old plant. It is advised to use the realized and rainfall forecast while irrigating the field.</li> <li>• Weeding and earthing up operations may be continued</li> <li>• Arrange thinning operations if the plants are in densely populated</li> </ul>
<b>Jute</b>	<p><b>Sowing</b>            Start sowing            If already sown, provide irrigation as the temperature will be</p>

	relatively high for next five days.
<b>Groundnut</b>	<p><b>Pod formation to Harvest stage</b> Apply need based irrigation 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> </ul>
<b>Green Gram</b>	<p><b>Vegetative Stage</b> Advise weeding for 25-30 days old crop</p> <ul style="list-style-type: none"> <li>• There is a chance of incidences of cercospora disease. If found, spray 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 litre</li> <li>• There is a chance of incidence of powdery mildew. If found, apply 1 ml propinazole group fungicide mixing with 1 litre 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 litre water</li> </ul>
<b>Brinjal, Pointed Gourd, Cucumber, Bitter gourd, Ridge gourd, Yard long bean &amp; Lady's finger</b>	<p><b>Fruit Setting/ Vegetative</b> Apply need based irrigation as the temperature will be relatively high for next five days</p> <ul style="list-style-type: none"> <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.</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 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.</li> <li>• At early growth stage and during flowering of cucurbits, apply nitrogenous fertilizers.</li> </ul>