

## Advisory Bulletin for Bandarban 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: 1st May, 2019 Bulletin No. 39</b>	<b>Agromet Advisory Bulletin for Bandarban District (1st May to 5th May, 2019)</b>	

### Weather Conditions for last four days (27th April to 30th April, 2019)

Weather Parameters	27.04.19	28.04.19	29.04.19	30.04.19
<b>Rainfall (mm)</b>	0.1	0.9	0	0
<b>Maximum Temperature (° C)</b>	34.2	34.2	34	34.4
<b>Minimum Temperature (° C)</b>	26.8	26.9	27.4	27
<b>Relative Humidity (%)</b>	58-93	58-92	64-96	65-92
<b>Cloud Amount (Okta)</b>	Clear sky	Clear sky	Clear sky	Clear sky
<b>Wind Speed (km/h)</b>	8.79	12.03	20.35	14.58
<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 (1st May to 5th May, 2019)

Weather Parameters	Range
<b>Rainfall (mm)</b>	35.66
<b>Maximum Temperature (° C)</b>	33.44
<b>Minimum Temperature (° C)</b>	23.94
<b>Relative Humidity (%)</b>	66.8-77.2
<b>Cloud Amount (Okta)</b>	Clear sky
<b>Wind Speed ( Km/h)</b>	6.75
<b>Wind Direction</b>	South-west/Southerly

As per Bangladesh Meteorological Department (BMD) forecast for during next five days light rainfall is expected. Rain/Thunder showers accompanied by temporary gusty/squally wind is likely to occur at one

or two places over the district Farmers are advised to carry out inter-culturing, perform weeding operation and recommended dose of fertilizers in sown summer crops. Farmers are advised to harvest and threshing of matured crops at the earliest Day temperature will remain higher for next few days. Hence, irrigate them at a regular interval as per their requirement. High day temperature favours the attack of Heat stroke in cattle. Hence, farmers are requested to avail plenty of drinking water for them and do not allow them to remain in sunlight during intense heat (specially during noon). Advisories for poultry to minimize the impact of high temperature is also required and mentioned

	<b>Agromet Advisories</b>
<b>Boro Paddy</b>	<p><b>Hard dough / Maturity stage/ Harvesting</b></p> <ul style="list-style-type: none"> <li>• Remove the water from the field 10-15 days before harvesting.</li> <li>• Where early transplanted paddy found 80% maturity, harvest immediately and non rainy days otherwise due to Norwester shattering loss will take place.</li> <li>• 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 non rainy days for control of brown spot</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. non rainy days</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 non rainy days</li> <li>• Spray Buprofezin 25% SC@106ml/bigha for BPH attack non rainy days</li> <li>• 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</li> </ul>
<b>Jute</b>	<p><b>Germination to growing</b></p> <ul style="list-style-type: none"> <li>• Weeding is advised non rainy days</li> </ul>
<b>Groundnut</b>	<p><b>Maturity to Harvest stage</b></p> <ul style="list-style-type: none"> <li>• Apply light irrigation at frequent intervals as the temperature will be relatively high for next five days.</li> <li>• Prevailing weather condition is 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 non rainy days</li> </ul>
<b>Brinjal, Pointed Gourd, Cucumber, Bitter gourd, Ridge</b>	<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> </ul>

<p><b>gourd, Yard long bean &amp; Lady's finger</b></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 and non rainy days are very effective.</li> <li>• Seeds of cucumber, bitter gourd, Yard long bean, ridge gourd, Lady's finger are to be sown providing light irrigation as per requirement..</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 spay the same to jassid affect field as this may reduce the incidences of the pest. For control of the white fly spary Profenofos 40%+ Cypermethrin 2.5%-Shobicron 425 EC @ 2ml/ litre at 10 days intervals after current spells of rainfall..</li> <li>• At early growth stage and during flowering of cucurbits, apply nitrogenous fertilizers.</li> </ul>
<p><b>Livestock:</b></p>	<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>• Do not graze animal after 10 am and before 3pm in open place.</li> <li>• 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>