




Agromet Advisory Bulletin for Rajshahi District

	 Agro-Meteorological Information Systems Development Project Component-C of Bangladesh Weather and Climate Services Regional Project Department of Agricultural Extension	
Date: 13 March, 2019 Bulletin No. 25	Agromet Advisory Bulletin for Rajshahi District (13th March to 17th March, 2019)	

Weather Conditions for last four days (9th March to 12th March, 2019)

Weather Parameters	09.03.19	10.03.19	11.03.19	12.03.19
Rainfall (mm)	0	0	16	16
Maximum Temperature (° C)	28.6	29.6	32.2	32.9
Minimum Temperature (° C)	13.2	15.8	18.5	17.5
Relative Humidity (%)	29-97	29-97	54-100	30-99
Cloud Amount (Okta)	Clear sky	Clear sky	Clear sky	Clear sky
Wind Speed (km/h)	3.16	2.31	2.78	1.59
Wind Direction	North/North-Westerley	North/North-Westerley	North/North-Westerley	North/North-Westerley

Weather forecast as per Bangladesh Meteorological Department for the next 5 days (13th March to 17th March, 2019)

Weather Parameters	Range
Rainfall (mm)	42
Maximum Temperature (° C)	35.98
Minimum Temperature (° C)	22.14
Relative Humidity (%)	34.2-41.0
Cloud Amount (Okta)	Clear sky
Wind Speed (Km/h)	4.67
Wind Direction	North/North-Westerley

Name of the Crop	Agromet Advisories
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Boro Paddy	<p>Recovery to Tillering/Flowering stages</p> <ul style="list-style-type: none"> • Alternate wetting and drying maintain water level 5-7 using the expected rainfall • Monitor the following pests and diseases incidences and apply recommended pesticides where high humidity will prevail due to rainfall • Blight disease- Apply 60 gm potash fertilizer, 60gm Thiovit and 20 gm zinc fertilizer with 10L water per 5 decimal . • Blast disease .Spray Nativo group of pesticide. • Leaf folder. Spray Malathion/Fenitrothion group insecticides • Stem borer in rice. The pest may be identified and controlled by using light traps. Constant monitoring is required for its level of incidences. The pest may be controlled by spraying Carbofuran/Cartap/Fipronil/Diazinon group of insecticide. • Apply pesticides, after the current spells 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.
Lentil/Chickpea	<p>Ripening to harvest stages.</p> <ul style="list-style-type: none"> • There is possibility of spreading fungal infestation. If so, apply Carbendazim group fungicide as protective measure. • There is possibility of infestation of pod borer. Hand picking followed by burning of the infected parts should be done for its control • Apply pesticides, after the current spells of rainfall • Undertake harvest of matured earlier sown chickpea/lentil. Harvest immediately or after the current spells of rainfall •
Maize	<p>Silk stage to initial cob formation (Rabi). Vegetative stage (Kharif 1)</p> <ul style="list-style-type: none"> • Apply 350 gm urea per decimal as first top dressing to 25-30 days old plant after the current spells of rainfall <p>Also arrange thinning operations if the plants are in densely populated. It is advised to apply 2nd irrigation at 30-35 days old plant and also apply 350 gm urea per decimal as second top dressing to 40-50 days old plant after the current spells of rainfall Withhold application 3rd irrigation to 60-70 days old plant as rainfall is expected</p> <ul style="list-style-type: none"> • Weeding and earthing up operations may be continued. • Arrange thinning operations if the plants are in densely populated. • . Maintain optimum moisture in the field through irrigation. Mulching is essential to hold the moisture in the field. • There may be attack of leaf blight in maize field. Spray Mancozeb group pesticide at 10 days interval after first appearance of the disease. • There may be chance of incidence of fall army worm and cutworm pest. These pests may be identified and controlled by using 8 pheromone traps and also constant monitoring is required for its level of incidences. • Incidence of stem borer may be noticed in maize. To control, spray Carbofuran/Cartap/Fipronil/Diazinon group pesticide. • Apply pesticides after the current spells of rainfall
Wheat	<p>Hard Dough to initial grain formation stages.</p> <ul style="list-style-type: none"> • If the plant is of 50-55 days old, apply second irrigation. Third irrigation

	<p>should be given after 75-80 old plant during grain formation. Withheld irrigation as rainfall is expected in these districts.</p> <p>Do thinning operations if the plants have been sown in dense condition</p> <ul style="list-style-type: none"> • Blast disease may occur. Spray 6 gm Nativo 75 gm WG (Tebuconazole 50% + Trifloxystrobin 25%) or 10 ml Amistar top 325 SP (Azoxytrobin 20%+ Difenoconazole 12.5%) mixing in 10 litre of water for each 5 decimal land to control the disease. • Constant monitoring of the wheat crop against leaf rust disease is advised. If symptoms of leaf rust appear, spraying of crops with Carbendazim/Propiconazole group should be done when sky remains clear. • For control of aphids in wheat undertake spray of dimethoate or Methyl demeton group pesticide. • To control alternaria blight, spraying of Indofil or Diathen group pesticide is advised. <p>Apply pesticides, after the current spells of rainfall</p>
<p>Groundnut</p>	<p>Pod formation</p> <p>→ Prevailing weather conditions are favorable for incidence of leaf webber in groundnut .To control spray quinolphos 2ml/l. or chloripyriphos @2.5ml per litre of water.</p> <p>→ Prevailing weather conditions tikka leafspot in groundnut. To control spray with hexaconazol @2ml. or carbendazim @1 g. per litre of water.</p> <p>→ Prevailing weather conditions are favorable for sucking pests in groundnut To control spray monochrotophos @ 1.6 ml/l.or dimethoate @ 2ml or imidacloprid 0.3 ml litre of water</p> <p>→ Farmers are also advised to keep bird perches @ 10 per acre and spray thiodocarb@1.5g/l or novaluron@1 ml/l or chlorophenapyr@2ml/l for control.</p> <p>Apply pesticides, after the current spells of rainfall</p>