Agromet Advisory Bulletin for Bandarban District

	Agro-Meteorological Information Systems Development Project **Component-C of BWCSRP** **Department of Agricultural Extension**	

Date: 4th August, 2019 **Bulletin No. 65**	**Agromet Advisory Bulletin for Bandarban District (4th August to 8th August, 2019)**

Weather Conditions for last four days (31th July to 3rd August, 2019)

Weather Parameters	31.07.19	1.08.19	2.08.19	3.08.19	Range
Rainfall (mm)	0.0	0.0	6.0	3.0	0.0-6.0 (9.0)
Maximum Temperature (°C)	32.0	32.0	32.0	32.3	32.0-32.3
Minimum Temperature (°C)	25.2	26.1	26.2	26.0	25.2-26.2
Relative Humidity (%)	69.0-91.0	69.0-96.0	74.0-95.0	81.0-97.0	69.0-97.0
Wind Speed (km/h)	13.0	13.0	11.1	3.5	3.5-13.0
Cloud Amount (Okta)	4	6	6	5	4-6
Wind Direction	South/South-Westerly	South/South-Westerly	South/South-Westerly	South/South-Westerly	South/South-Westerly

Weather forecast as per Bangladesh Meteorological Department for the next 5 days (4th August to 8th August, 2019)

Weather Parameters	Range
Rainfall (mm)	6.7-68.4 (141.5)
Maximum Temperature (°C)	27.8-31.0
Minimum Temperature (°C)	24.4-25.7
Relative Humidity (%)	87.0-98.0
Wind Speed (Km/h)	3.1-8.3
Cloud Amount (Okta)	Cloudy Sky
Wind Direction	South/South-Westerly

Stages of Standing Crops

Crop	Stage
Aman Paddy	Seedbed/Transplanting
Aus Paddy	Tillering
Jute	Maturity/Harvest
Vegetables	Fruit Setting/ Vegetative

Agromet Advisories

The district was affected by flood conditions recently. No flood condition is reported now for the district. However, next five days, the district is likely to receive 141. 5 mm rainfall. Following agromet advisories are issued for this flood affected district on the standing crops, livestock, poultry and fishery.

1. In heavily flood affected areas and under high rainfall forecast, high lands should be selected for raising of community nurseries to meet the seedling requirement of the farmers when water level in the fields subside. Select local varieties for raising seedlings. The seeds of these varieties can be sown in the nursery beds up to 1st week of August.
2. Continue transplanting of paddy seedlings when flood water recedes completely and excess water due to high rainfall drained out completely. The seedlings of short and duration varieties (BRRI DHAN 33, BRRI DHAN 39, BRRI DHAN 62, BRRI DHAN 66, BRRI DHAN 71, BRRI DHAN 75) or medium duration varies (BRRI DHAN 34, BRRI DHAN 37, BRRI DHAN 38, BRRI DHAN 49, BRRI DHAN 52, BRRI DHAN 70, BRRI DHAN 71, BRRI DHAN 79, BRRI DHAN 80 and BR 25) should be transplanted at the earliest.
3. Direct seeding of photo insensitive short duration varieties like BINA 07, BINA16, BINA17 is also advocated for areas where the rice crop was totally damaged due to flood.
4. In order to escape from another flood like situation and high rainfall forecast, submergence tolerant varieties should   be considered.
5. Water logged condition is harmful for jute. Hence, to avoid water accumulation, measures should be taken to get rid of excess water from the fields as there is high rainfall forecast.
6. Complete drain out of water from vegetable field.
7. Start cultivating of early winter vegetables after receding of flood water and after the high rainfall expected during next five days.
8. Prevent feeding the livestock with rotten grasses after flood. Instead, feed the animals with concentrate and green grasses along with vitamins and mineral supplements.
9. In flood affected areas of the district, vaccinate domestic livestock like cattle, goat and pigs against BQ, HS, Foot and mouth disease as well as anthrax disease.
10. Keep the animal in raised platform.
11. Supply adequate amount of clean and pure drinking water to animals.
12. Maintain a proper distance of the animals from the free flowing flooding streams and rivers.
13. There is possibility of muddy water influx from the surrounding areas into the fishery resulting reduction of dissolved oxygen contents. Stirring the water with a bamboo pole will help in increasing the gaseous exchange and protect the fishes from suffocation.
14. Changing weather condition could lead to viral diseases to the birds. So, farmers may provide sufficient water with 1% salt and mineral mixture. Farmers are also advice to clean the sanitary condition of poultry.