Bangladesh Rice Research Institute

Satellite Station, Panchagarh

SL No.	Current Experiment Title	Objective
1	**Raising of healthy rice seedling under transparent polythene cover at Boro season in cold prone area of Bangladesh**	To raise healthy rice seedling at Boro season
2	**Modeling The Climate Change Impact on Future Rainfall Variability, Irrigation Demand, and Groundwater Abstraction for Rice Cultivation throughout Bangladesh**	1.To determine the future change in crop water requirement and irrigation demand of rice in Bangladesh 2. To predict the water footprint and groundwater withdrawal for rice cultivation 3. To suggest appropriate preparedness for sustainable groundwater irrigation utilization
3	**Improvement of irrigation distribution system in Panchagarh.**	1. To introduce water saving technologies (AWD &Fita Pipe) 2. To maximize Water use efficiency

SL No.	Proposed Experiments for the 2025-26	Objective
1	**Collection of Local Germplasm from Panchagarh.**	To collect the local germplasm from farmers field
2	**Survey & Monitoring of insects-Pest in Panchagarh District.**	1. To evaluate the seasonal variation and distribution patterns of insect pests affecting rice in Panchagarh district 2. To identify critical pest outbreaks and their correlation with environmental factors such as temperature, humidity, and rainfall
3	**Increase the System Productivity of Boro- Fallow-T. Aman cropping pattern through inclusion of Aus Rice in Panchagarh Region.**	1. To increase total Productivity. 2. To increase rice production.
4	**Increase the System Productivity of Maize-Fallow- T. Aman cropping pattern through inclusion of Aus Rice in Panchagarh Region**.	1. To increase total Productivity. 2. To increase rice production.
5	**Effect of different dose of MOP in Panchagarh region.**	1. To examine the effects of different MOP doses on the growth and grain yield of rice. 2. To determine the residual soil fertility.
6	**Identifying suitable transplanting window and assessing comparative yield performance between local (Swarna) and BRRI Aman varieties under different irrigation practices in Panchagarh region**	1. To assess the yield variation under different irrigated condition. 2. To obtain the suitable transplanting window for Panchagrah region 3. To identify the suitable rice variety for higher yield
7	**Impact of Ploughing Intensity and Ploughing Depth on Rice Transplanter Performance and Rice Productivity in Northern Bangladesh**	1. To identify an optimal ploughing intensity for maximum productivity and efficient use of rice transplanters 2. To evaluate the impact of ploughing intensity on yield and yield contributing parameters 3. To identify the suitability and constraints of using machines in fragmented land