

Proposed Research Program 2025-2026

Regional Station, Kushtia

SL	Experiments	Major Objective (s)	Expected output	Annual Budget (Thousand Tk.)
1	Program Area: Varietal Development			
1.1	Regional Yield Trial (RYT)	Evaluation of agronomic performance, specific and general adaptability under on station condition	One or more advanced breeding lines will be found higher yielder than checks.	100 thousand
1.2	Advanced Yield Trial (AYT)	Evaluation of agronomic performance, specific and general adaptability under on station condition		100 thousand
1.3	Observational Yield Trial (OYT)	Evaluation of agronomic performance, specific and general adaptability under on station condition		100 thousand
1.4	Multi Location Trial (MLT)	Evaluation of agronomic performance, specific and general adaptability under on station condition		100 thousand
1.5	Advanced Line Adaptive Research Trial (ALART)	To evaluate the yield potential and adaptability of the advanced rice genotypes at farmers' field in different agro-ecological zones		270 thousand
2	Program Area: Socioeconomic and Policy			

2.1	Stability Analysis of BRRI varieties	To maintain season, year and location-wise database on the yield performance of BRRI varieties.	One or more Varieties will be found stable in local conditions.	30 thousand
3	Program Area: Crop-Soil-Water Management			
3.1	Determination of the optimum time of planting of BRRI dhan103 for yield maximization at the Kushtia region (New)	To find out the optimum time of planting and seedling age for BRRI dhan87	The identification of the timing that maximizes yield.	30 thousand
3.2	Effect of Missing Nutrient Elements on Growth and Grain Yield of Rice in BRRI Farm, Kushtia	i)To examine the effects of missing nutrient elements on the growth and grain yield of rice. ii)To determine the residual soil fertility.	The impact of missing nutrient elements on the growth and grain yield of rice cultivated at BRRI Farm in Kushtia will be demonstrated.	30 thousand
3.3	Evaluation of yield performance of BRRI varieties with local/Indian cultivars at Border Zone	To find out the best-performing varieties and causes of farmers' preference	Provide information about the potential superiority or adaptability of either type of cultivar in that specific region.	100 thousand
3.4	Assessing Growth and Productivity of Modern Rice Cultivars under Different Nutrient Combination at Kushtia Region (New)	i) To investigate the growth and yield performance of rice varieties under different fertilizer management ii) To study the comparative performance of different fertilizer combination	Appropriate fertilizer dose of Boro season for kushtia region will be found. Proper fertilizer management will improve soil quality and rice yield.	50 thousand
Program Area: Rice Farming Systems				

4.1	Maximize the Resource Use Efficiency of Agro-forestry System in Kushtia Region	i)To increase the system productivity of existing resources ii)To find out the suitable DS Aman rice variety for agroforestry system	Suitable DS Aman based agro-forestry system will be developed for fruit orchard	50 thousand
4.2	Determination of Optimum Planting Window of Newly Released T. Aman Rice Varieties in Three Cropped Cropping Pattern	To find out the effective rice varieties with appropriate planting time for increasing the yield potential of T. Aman rice.	The ideal planting window for newly released T. Aman rice varieties across three different cropping patterns will be advised.	50 thousand
4.3	Potato intercropping with maize/relay sweet gourd with potato in Maize-T. Aus- T. Aman cropping pattern in char area	i) To increase system productivity and profitability of existing cropping pattern ii) To maximize the land use efficiency	The system productivity and profitability within the current cropping pattern will be increased.	100 thousand
4.4	Survey of rice-based cropping patterns and its improvement in Meherpur and Chuadanga districts (New)	i) To create a database of the existing cropping pattern scenario in Meherpur and Chuadanga district ii) To explore the scope of existing cropping pattern	A database detailing the current cropping patterns prevalent in the Meherpur and Chuadanga district will be generated.	100 thousand
4.5	Inclusion of Mustard in Boro-Fallow-T.Aman cropping system	i) To evaluate the performance of short duration rabi crops in Boror-Fallow-T. Aman cropping system ii) To increase the productivity of existing cropping pattern	The system productivity and profitability within the current cropping pattern will be increased.	100 thousand

4.6	Inclusion of Aus rice in Onion-Fallow-T.Aman cropping system	i) To evaluate the performance of Aus rice in Onion-T. Aus-T. Aman cropping system ii) To increase the productivity of the existing cropping pattern	The system productivity and profitability within the current cropping pattern will be increased.	100 thousand
5	Program Area: Technology Transfer			
5.1	Demonstrations of newly released BRRI varieties	To disseminate and popularize the varieties among the farmers in Kushtia	The awareness of adopting new rice varieties among farmers in the Kushtia region.	200 thousand

PI= Principal Investigator, CI= Co-investigator, PBD= Plant Breeding Division, Biotech. = Biotechnology Division, ARD= Adaptive Research Division, Agril. Stat Div.= Agricultural Statistics Division, MMRD= Md. Mahbubur Rahman Dewan (Head, BRRI, Kushtia), KD Afroze= Kh. Dil Afroze (SO, BRRI, Kushtia); N Akhter = Nahida Akhter (SO, BRRI, Kushtia)