Proposed Research Program 2024-2025

Sl. No.	Program Area/Project/ Experiment Title & Duration	Major Objective	Expected output	Annual Budget (Thousand Tk.)
	BRRI Regional Station, Barishal			
01	Morpho-molecular characterization of local germplasms to study anaerobic germination with tillering ability and their yield performance under non-saline tidal submergence condition (2024-2026)-T. Aman season	1.To identify germplasms tolerant to non-saline tidal ecosystems with their yield performance through morpho-molecular analysis. 2. To find out the anaerobic germination with their tillering ability in local germplasm under anaerobic conditions.	May get potential germplasm (s) tolerant to non-saline tidal ecosystems and also able to germinate under anaerobic condition.	2000
02	Fertilizer Management for HYV rice during Aman season under tidal flood situation (2024-25)	To determine suitable fertilizer application method in T. Aman rice under tidal submergence condition	Result will help us to prepare a complete guide line (technology) on fertilizer application in tidal submergence condition	200
03	Management of Algae at Boro season in Barishal region (2024-26)	1. To identify a cost-effective and straightforward method for algae management. 2. To assess the impact of algae on rice growth and yield.	Result will help to prepare a easy guide line (technology) for controlling Algae in Rice field.	200
04	Diversification of a dominant single cropped area (Fallow-Fallow-T. Aman) in Barishal region, Bangladesh. (2024-2028)	1.To assess the current status and challenges of the Fallow-Fallow-T. Aman cropping pattern in Barishal. 2.To identify potential diversification options suitable for the local agroecological context. 3.To evaluate the economic, environmental, and social implications of diversification strategies.	Fallow land will be transformed into rice cultivable.	1000

		4.To develop recommendations and guidelines for farmers and policymakers to promote diversified cropping systems.		
05	Validation and dissemination of BRRI released varieties based on suitability map (2024-2026)	1.To validate varietal suitability map for Barishal region 2.To disseminate BRRI released varieties according to suitability	BRRI released varieties would be possible to spread rapidly with limited	1000
06	Sustainability assessment of BRRI varieties' demonstration in Barishal region	1.To evaluate farmers' feedback regarding varietal demonstration in the following years 2.To assess sustainability of the demonstrations established in Barishal region	The sustainability of the demonstration programs would be able to be found out and based on the results further planning could be possible.	1000
07	Hybridization (T. Aman)	To develop tidal submergence tolerant rice variety	Non saline tidal submergence tolerant rice variety development	100
08	F_1 confirmation (T. Aman)	To develop tidal submergence tolerant rice variety	Non saline tidal submergence tolerant rice variety development	100
09	F2 generation (RGA) (T. Aman)	To develop tidal submergence tolerant rice variety	Non saline tidal submergence tolerant rice variety development	100
10	F3 generation (RGA) (T. Aman)	To develop tidal submergence tolerant rice variety	Non saline tidal submergence tolerant rice variety development	100
11	F_4 generation (RGA) (T. Aman)	To develop tidal submergence tolerant rice variety	Non saline tidal submergence tolerant rice variety development	100
12	F_5 generation (RGA) (T. Aman)	To develop tidal submergence tolerant rice variety	Non saline tidal submergence tolerant rice variety development	100
13	Advanced Yield Trial (AYT-2) (T. Aman)	To develop tidal submergence tolerant rice variety	Non saline tidal submergence tolerant rice variety development	100
14	Upscalling Blast Mangement Practices at Barishal Region	Popularize blast management practices among the stakeholders	Total rice production will be increased	1000

15	Evaluation of New Molecules against Blast Disease Management	Identifying effective new molecule (s) against Blast Disease control.	Blast disease will be controlled successfully	100
16	Characterization of Blast isolates of Barishal region using differential system	Catagorize blast isolates based of their infection pattern in rice.	Durable blast resistant variety will be developed.	500
17	Healthy seedling raising in tray practices during Boro season	Identifying easy and cost-effective techniques of seedling raising in tray.	Mechanical transplantion will be enhanced.	200
18	Survey and Monitoring of Rice disease status at Barishal region	Disease intensity and pattern will be found out.	Disease management strategic plan will be developed.	500
19	Blast resistant trait discovery among tidal coastal germplasm	Blast resistant germplasm will be identified adaptive to tidal coastal ecosystem.	New blast resistant sources will be identified.	500
20	Digitization of Charbadna and Sagordi farm of BRRI R/S, Barishal for converting to SMART farming	Charbadna and Sagordi farm will be digitalized for easy operating of farm activities.	SMART Farm will be developed	100