

Agronomy Division

Research Program, 2018-2019

Sl. No.	Title	Objective(s)	Annual Budget (Thousand Tk)
01. Seeds and Seedlings			
1.1	Effect of quality seedling on yield maximization of Boro rice (new)	i) To investigate the effectiveness of seedbed protection methods for securing seedlings during cold spell and ii) To find out the consequence of seedling raising method on grain yield and to identify the most appropriate time of sowing for cold management	50,000/-
1.2	Seedbed management in cold spell situation and its effect on field duration and yield (new)	To select suitable and farmer's friendly technique (s) for raising good quality seedling in cold spell situation during Boro season	50,000/-
02. Planting Practices			
2.1	Improvement of soil health in four crops pattern through agronomic management (on going)	i) To validate BRRRI developed 4 crops systems ii) To increase the cropping intensity and productivity iii) To improve the soil health	100,000/-
2.2	Effect of date of planting on growth and yield of advanced lines (on going)	To determine suitable time of planting and selection of high yield potential genotypes	50,000/-
2.3	Effect of planting date on growth and yield of BRRRI released varieties in Aman and Boro seasons in different regions of Bangladesh (on going)	i) To determine the cutoff date for planting in different location. ii) To determine suitable date of planting.	50,000/-
03. Fertilizer Management			
3.1	Nitrogen management for BRRRI dhan71 with aged seedlings at variable time of planting (new)	To find out optimum nitrogen rate for aged seedlings of BRRRI dhan71	50,000/-

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3.2	Effect of N management at the reproductive phase of rice (on going)	To verify whether top dressing of urea is useful or harmful after PI stage for inbred rice	50,000/-
04. Weed Management			
4.1	Weed persistence, crop resistance and phytotoxic effects of new molecule herbicides in transplanted rice (on going)	To identify the phytotoxic effect of herbicides on weed and crop growth for sustained rice production.	50,000/-
4.2	Evaluation of candidate herbicides (on going)	To find out the efficacy of new herbicides	50,000/-
4.3	Study on bio-efficacy and varietal sensitivity of different herbicides (new)	i) To evaluate the growth and yield response of some selected popular Boro and T. Aman rice varieties to the recommended rate of some available rice herbicides and ii) To find out the most tolerant rice variety or varieties to herbicides under transplanted condition.	50,000/-
05. Yield Maximization			
5.1	Fertilizer rescheduling for maximizing Boro yield under cold spell situation (new)	i) To determine optimum fertilizer application time for maximum grain yield ii) To identify suitable combination of N+K application rate and time	50,000/-
5.2	Yield maximization of T. Aus rice through integrated crop management at variable time of planting (new)	To maximize growth and yield of T. Aus varieties	50,000/-