

বাংলাদেশ ধান গবেষণা ইনস্টিটিউট (ব্রি) আঞ্চলিক কার্যালয়, সাতক্ষীরা এর
২০২৩-২৪ অর্থবছরের গবেষণা কার্যক্রম

Sl.No.	Research Title	Objective	Location
Varietal Development			
1	Hybridization	To develop breeding lines with high yield potential along with desirable growth duration, acceptable grain quality and resistance to insect pests and salt tolerance	On-farm
2	Regional Yield Trial (RYT)	To evaluate specific and general adaptability of the advance breeding lines with respective check in on-station condition	On-station
3	Advanced Line Adaptive Research Trial (ALART)	1. To evaluate the yield potential and adaptability of the advanced rice genotypes at farmers' field 2. To get feedback information about the advantages and disadvantages of the selected materials from farmers and Extension personnel 3. To select suitable material(s) for Proposed Variety Trial (PVT)	On-farm
4	Assessment of specific and general adaptability for selection of suitable hybrid rice genotypes under saline prone areas for boro season	To find out hybrid rice genotypes suitable for saline prone areas for Boro Season	On-farm
5	Line Stage Trial (LST)	To assess FRGA/RGA derived advanced breeding lines for uniformity at heading and desirable agronomic and grain type traits	On-farm, On-station
6	Observational Yield Trial (OYT)	Identification of genetically fixed advanced lines suitable for saline areas	On-farm, On-station
7	Preliminary Yield Trial (PYT)	Initial evaluation of breeding lines for yield and other agronomic characteristics in replicated trial	On-farm, On-station
8	Advanced Yield Trial (AYT)	Confirmatory evaluation of selected genotypes for yield and other agronomic characteristics	On-farm, On-station
9	Regional Yield Trial (RYT)	To evaluate specific and general adaptability of the advance breeding lines with respective check-in on-station condition	On-farm, On-station
10	International Rice Soil Stress Tolerant Nursery (IRSSTN)	Evaluation of breeding lines for yield and other agronomic characteristics for saline areas	On-farm, On-station
11	Asian Food and Agriculture Cooperation Initiative (AFACI) program	Initial evaluation of yield, salt tolerance and other agronomic characteristics of selected materials in replicated trial.	On-farm, On-station
12	AGGRi Network trial	To select the superior breeding lines in salinity stress environment of Bangladesh	On-farm
Crop-Soil-Water			
13	Effects of long-term missing nutrients on rice yield	To identify yield limiting nutrients of rice	On-station
14	Nitrogen rates and varietal effects on rice yield and greenhouse gas emissions in	To assess the effects of rice cultivars and nitrogen doses on rice yield and greenhouse gas (GHG) emissions in the coastal environment	On-station

Sl.No.	Research Title	Objective	Location
	coastal ecosystems of Bangladesh	To find out suitable rice cultivars for lowering GHG emissions with reduced negative environmental impacts.	
15	Effects of Bio-coated urea on rice yield in Boro season in the south-western coastal ecosystem.	1. To evaluate the impact of bio-coated fertilizer on rice yield. 2. To determine the effect of bio-coated fertilizer on saline soil properties	On-station
Socio-economic policy			
16	Stability Analysis of BRRI Varieties at Satkhira	To find out the suitability and adaptability of the particular variety	On-station
17	Rice Area Production Mapping (RAPM)	Mapping of rice cultivation area according to season	On-farm
18	Estimation of rice yield in different seasons of Bangladesh: Crop cuts method	1. To find out the on-farm yield of BRRI released rice varieties in Satkhira and Jashore regions 2. To analyze the performance of BRRI released rice varieties with other varieties	On-farm
19	Monitoring Soil-Water Salinity of BRRI Farm, Satkhira	To know the salinity status of BRRI-RS, Satkhira	On-station
20	Monitoring Weather Status of BRRI Farm, Satkhira	To know the weather status of BRRI-RS, Satkhira	On-station
Technology transfer			
21	Validation trial of selected rice varieties at BRRI farm, Satkhira	To find out the suitability and adaptability of BRRI released rice varieties in the southern coastal ecosystem of Bangladesh	On-station
22	Head-to-head adaptive trial (HHAT) of Modern Rice Varieties	1. To find out the adaptability of BRRI released rice varieties in various regions of Bangladesh 2. To compare modern rice varieties with popular local varieties 3. Selection of rice variety/varieties suitable for a particular region 4. To analyze farmers' response to modern rice varieties and take necessary actions accordingly	On-farm
23	Seed production and dissemination program (SPDP)	To disseminate BRRI varieties rapidly among the farmers of Khulna and Satkhira region	On-farm
Rice farming systems			
24	Development of four-cropped cropping pattern under irrigated ecosystem	1. To increase the total productivity of unit area per year by increasing cropping intensity 2. To compare the sustainability of four cropped cropping patterns in terms of soil health and economic profit	On-farm
25	Integration of mustard in the rice growing environments	To improve system productivity by introducing mustard in the existing rice-based cropping pattern	On-farm
26	Introducing B. Aus rice in the Watermelon-Fallow-T. Aman pattern	To find out the scope of utilizing fallow land after watermelon cultivation by cultivating B. Aus rice under rainfed condition	On-farm
27	Production program of BRRI released rice varieties in the southern coastal gher-ecosystem of Bangladesh	To find out the yield performance of BRRI released saline tolerant rice varieties in gher system	On-farm