**Ongoing Research Program: 2021-2022**

**Adaptive Research Division, BRRI Gazipur**

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| **SN** | **Research Program** | **Major Objectives** | **Budget**(Tk. lakh) |
| **1** | **Program Area: Technology Transfer** |  |  |
| **1.1** | **Technology Validation** |  | **15-20** |
|  | **1.1 Varietal development** |  |  |
|  | Advanced Lines Adaptive Research Trial (ALART) during Aus 2021, Aman 2021 and Boro 2021-22 | * To evaluate the yield potential and adaptability of the advanced lines at farmers’ field in different agro- ecological zones.
* To get feedback information about the advantages and disadvantages of the selected materials from farmers and Extension personnel.
* To select suitable genotype(s) for proposed variety trial (PVT).
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|  | 1.1.1 ALART Deep Water Rice (DWR) Deep flooded (1 to 2 meter), B. Aman 2020Location: Faridpur, Gopalganj, Cumilla, Brahmanbaria, Pabna, Habiganj, Manikganj, Munsiganj, Sirajganj, Tangail and BRRI Gazipur. | **1.5** |
|  | 1.1.2 ALART Stagnant Water Rice (SWR) Shallow flooded Rice (Up to 1 meter), T. Aman 2021Location: Faridpur, Gopalganj, Cumilla, Brahmanbaria, Pabna, Habiganj, Manikganj, Munsiganj, Sirajganj, Tangail and BRRI Gazipur. | **1.5** |
|  | 1.1.3 ALART Rainfed Lowland Rice (RLR) in T. Aman 2021Location: Barishal, Faridpur, Satkhira, Kushtia, Rajshahi, Rangpur, Habiganj, Cumilla, Feni and BRRI Gazipur. | **2** |
|  | 1.1.4 ALART Zinc Enriched Rice (ZER) in T. Aman 2021Location: Barishal, Faridpur, Satkhira, Kushtia, Rajshahi, Rangpur, Habiganj, Cumilla, Feni and BRRI Gazipur. | **2** |
|  | 1.1.5 ALART Insect Resistant Rice- Brown Plant Hopper (IRR-BPH) in T. Aman 2021Location: Dinajpur, Sirajganj, Naogaon, Rajshahi, Kushtia, Satkhira, Habiganj, Cumilla, Chattogram and BRRI Gazipur. | 2 |
|  | 1.1.6 ALART Premium Quality Rice (PQR) in T. Aman 2021Location: Dinajpur, Thakurgaon, Rangpur, Bogura, Naogaon and BRRI Gazipur. | **2** |
|  | 1.1.7 ALART, Boro 2021-22 Program will be taken as per materials supplied by Plant Breeding and Biotechnology Divisions | **7** |
| **1.2** | **Adaptive Trail** |  | **15** |
|  | 1.2.1 Head to Head Adaptive Trial (HHAT) of Modern Rice Varieties in Aman 2021 under TRB ProjectNo. of HHAT: 200Location: Throughout the country1.2.2 Head to Head Adaptive Trial (HHAT) of Modern Rice Varieties in Boro 2021-2022 under TRB ProjectNo. of HHAT: 200 Location: Throughout the country | * Generate information about the newly released rice varieties throughout the countries.
* Validate the adaptability of modern rice varieties at farmers’ field.
* Investigate the performance of newly released varieties compared to popular mega.
* Select suitable variety(s) for target environments.
* Rapid dissemination of promising rice varieties.
 | **15** |
| **2** | **Technology Dissemination** |  |  |
| **2.1** | **Seed Production and Dissemination Program (SPDP)** |  | **67** |
|  | 2.1.1 SPDP of B. Aus rice varieties BRRI dhan43 and83 in Aus 2021 under GoB | * To encourage the farmers for production, processing and storing of quality seed at on-farm level.
* To increase adoption of BRRI varieties.
* To get feedback information from the farmers and extension personnel about BRRI varieties
 | **1.25** |
|  | 2.1.2 SPDP of T. Aus rice varieties BRRI dhan48, 82, 98 in Aus 2021 under GoB. | **3.0** |
|  | 2.1.3 Special SPDP T. Aus 2021 under GoB | **0.75** |
|  | 2.1.4 SPDP in Jhum system of the slope of hill in Aus 2021 under GOB. | **0.75** |
|  | 2.1.5 SPDP in Valley of hill areas in Aus 2021 under GOB. | **0.75** |
|  | 2.1.6 SPDP of early Aman 2021 using BRRI dhan91. | **2.0** |
|  | 2.1.7 SPDP of promising rice varieties in Aman 2021 under GOB. | **8.0** |
|  | 2.1.8 Special SPDP T. Aman 2021 under GoB | **4.0** |
|  | 2.1.9 Model SPDP with 4 stake holder in T. Aman 2021. | **3.0** |
|  | 2.1.10 Dissemination of BRRI dhan71 and 75 in northern districts in T-Aman-Potato-Boro cropping pattern in Aman 2021. | **3.0** |
|  | 2.1.11 SPDP in Valley of Hilly areas in T. Aman 2021 | **3.0** |
|  | 2.1.12 SPDP of promising rice varieties in Aman 2021 under TRB project. | **4.0** |
|  | 2.1.13 SPDP of promising rice varieties in Boro 2021- 2022. | **8.0** |
|  | 2.1.14 Special SPDP Boro 2021 under GoB. | **5.0** |
|  | 2.1.15 Model SPDP with 4 stake holder in Boro 2021-2022. | **3.0** |
|  | 2.1.16 SPDP in Valley of Hilly areas in Boro 2021-22. | **3.0** |
|  | 2.1.17 SPDP of promising rice varieties in Boro 2020-2021 under TRB project | **5.0** |
|  | 2.1.18 Adaptive trial in different agro-echo-logical zone of Bangladesh in Boro 2021-22 |  | **4.0** |
|  | 2.1.19 Introducing Double Transplanting method in Potato/Mustard-Boro-Fellow cropping pattern of Dhaka Division, Boro 2022 | **2.0** |
|  | 2.1.20 Introducing BRRI dhan81 and 96 in T Aman-Potato-Boro Cropping Pattern, 2022 | **2.0** |
| **2.2** | **Promotional Activities** |  | **46** |
|  | 2.2.1 Farmers’ training in Aus 2021, Aman 2021& Boro2021-2022 under GOB and TRB. | * To train the farmers on modern rice production technologies.
* To improve the farmers’ knowledge and skill on rice production technologies.
 | **32** |
|  | 2.2.2 Field day in Aus 2021, Aman 2021& Boro 2021-2022 under GOB and TRB. | * To get feedback information directly from the farmers.
* To create farmers’ awareness about recent technologies.
 | **10** |
|  | 2.2.3 Production of quality seeds of BRRI released recent varieties. | To produce quality seeds of for rapid dissemination. | **3.0** |
|  | 2.2.4 Farmer seed center establishment. | * To increase availability of quality seeds at field level.
* To build up storage facilities for seeds at farmers’ level.
 | **1.0** |