



বাংলাদেশ ধান গবেষণা ইনস্টিটিউট

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Satellite Station, Sitakunda, Chattogram



## Research Program Outline 2024-25

### Program Area: Regional Station Program Area (RSPA)

#### 1. Program Area: Pest Management

SN	Experiments	Specific Objective(s)	Materials & Method	PI and CI	Status (initiation) /Season	Budget Lakh Taka	Location
1.1	Survey and monitoring of roce diseases in Chattogram district	1. To know the prevalence of Major rice diseases in Chattogram region.	Surveyed Area: 3 Upazilla of Chattogram district Digital Survey using ODK apps	PI: MMR CI: MAK, MAIK, THA	New Aman & Boro	0.40 (if fund available)	BRRIS Chattogram
1.2	Validation of rice neck blast disease management technology under farmer's field condition	1. To minimize yield loss due to blast disease 2. To build up farmers awareness on blast disease management	About 5 farmers (30 decimal for each farmer) will be selected. BRRIS practices: 1. 5 kg MOP/33 decimal will be additionally applied at last urea top dress 2. Trooper/Nativo will be sprayed at late booting and flowering stage Farmers Practice: Farmers own practice	PI: MMR CI: MAK, MAIK, THA	New Aman & Boro	0.75	BRRIS Chattogram
1.3	Validation of rice tungro disease management technology in Chattogram region	To find out the factors and validate the management technology of rice tungro disease in Chattogram region	Weather data: Temperature, Rainfall & Humidity Data collection: GLH population 5 days interval by Light Trap and hand sweeping, % DI & DS of Tungro disease Training: All SAAOs and farmer groups Location: Tungro prone areas of Chattogram Control of green leaf hopper: Seedbed along with surroundings should be free from GLH light trapping/hand sweeping/insecticide spray. Spray registered systemic insecticides: MIPC 2.6g or Cartap 2.4g Schedule of spray in the seedbed: =Spray should be done 2 times for controlling GLH. =The season-wise spray times are as follows: a) In Aus season: 10 DAS and 3-5 DBT b) In T. Aman season: 10-15 DAS and about 5 DBT c) In Boro season: 15-20 DAS and about 5 DBT Uprooting the tungro infected plants (if visible in the main field) <b>Tungro infected seedlings must not use for transplanting</b> Farmer Practice: T4= Control (No spray)	PI: MMR CI: MAK, THA	New Aus, Aman & Boro	0.80 (if fund available)	BRRIS Chattogram

SN	Experiments	Specific Objective(s)	Materials & Method	PI and CI	Status (initiation) /Season	Budget Lakh Taka	Location
1.4	Upscaling of sheath blight disease management in farmers field condition	To upscale the management practices of controlling rice sheath blight disease	Location: Teriail village, Sitakunda, Chattogram Treatments: T1= Fungicide spray at maximum tillering stage T2= Fungicide spray at booting stage T3= Fungicide spray at maximum tillering & Booting stages T4= No fungicide spray	PI: MMR CI: MAK, MRB, MH, THA	New Aman & Boro	0.8 (if fund available)	BRRIS Chattogram
1.5	Advisory services to the farmers	1. To assist farmers for rice production 2. Minimize rice yield loss	Location: Chattogram Ways: Mobile services, Website, email, direct field visit, on station farmers' samples; Fund: LSTD Project	PI: MMR CI: MAK	New Aman & Boro	-	BRRIS Chattogram

**Expected Output:** Management of major rice disease will be developed for increasing rice production and ensure food security

## 2. Technology Transfer

SN	Experiments	Specific Objective(s)	Materials & Method	PI and CI	Status (initiation) /Season	Budget Lakh Taka	Location
2.1	Field demonstration of newly developed BRRI varieties and or technologies in Chattogram region	To demonstrate and disseminate BRRI varieties and technologies in Chattogram region	90 Demo (T. Aman 2024 = 40, Boro 2024-25 = 40, Aus 2025 = 10) Aus: BRRI dhan98, BRRI Hybrid dhan7. Aman: BRRI dhan75, 87, 95, 103 Boro: BRRI dhan74, 81, 89, 92, 96, 100, 102, 105, 107, 108	PI: MMR CI: MAK	Year round	8.82	Chattogram
2.2	Farmer's training on modern rice cultivation and disease management technology	To increase farmers knowledge	2 Farmers training: About 80 farmers	Do	Year round	0.976	Chattogram
2.3	Field day on modern rice cultivation	To increase farmers knowledge	Four field days (T. Aman 2024 = 1, Boro 2024-25 = 2, Aus 2025 = 1)	Do		1.04	Chattogram

MMR=Md. Mamunur Rashid, MAK= Most. Amina Khatun, MRB= Md. Rezwan Bhuiyan, MAIK= Mohammad Ashik Iqbal Khan, MH= Mohammad Hossain, THA=Tahmid Hossain Ansari.