

Report of Annual Activities of the year 2022-2023 Regional Office, Dinajpur

1. Progress of Nirdeshika Updating

District	Field survey		Map finalization		Draft report preparation		Final report preparation	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
Dinajpur	01 (Dinajpur sadar)	01 (Dinajpur sadar)	01 (Birol)	01 (Birol)	01 (Birol)	-	01 (Birol)	-

2. Information on Upazila Surveyed during 2022-2023

2(a) Name of Upazila & District: Dinajpur Sadar, Dinajpur

2(b). Major findings

i) Total area- 35, 447 ha.

ii) Total sample collected- 150

iii) Physiography & AEZ code- Old Himalayan Piedmont Plain (1), Barind Tract (25 & 27)

iv) Major land type- High Land, Medium High Land & Medium Low Land.

v) Major soil group- Belabo, Noadda, Amnura, Ekdala, Ranisankail, Pirgachha, Palasbari, Amgaon, Jamun, Gangachara, Srirampur, Kaunia.

2(c).1 Changes in Land Type (for floodplain, piedmont and terrace area)

Land type	Previous (Year-2010)		Present (Year-2022)		% increase/ decrease	Possible reasons
	Area (ha)	%	Area (ha)	%		
Highland	14,155	39.9	13,774	38.9	-1.00	Infrastructural Development, Top Soil Removal for Brick kiln, Riverbank Erosion etc.
Medium Highland	13,471	37.9	11,455	32.3	-5.6	
Medium Lowland	286	0.8	294	0.8	0.00	
Lowland	-	-	-	-	-	
Miscellaneous	-	-	-	-	-	
Total	7,589	21.4	9,924	28.0	+6.6	
	35,447	200.0	35,447	100.0		

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2(c).2 Change in Land Type (for mixed landform i.e., hill, piedmont and floodplain area)

Slope class/Land type	Previous (Year)		Present (Year)		% increase/ decrease	Possible reasons
	Area (ha)	%	Area (ha)	%		
Nearly level (<5%)						
Mild slope (5-15%)						
Medium slope (15-30%)						
Steep slope (30-50%)						
Very steep (50-70)						
Excessively steep (>70)						
Highland						
Medium Highland						
Medium Lowland						
Lowland						
Very lowland						
Miscellaneous						
Total						

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2(d) Changes in Land Use

Land Use	Land type	Previous (year-2010)		Present (year-2022)		% increase/ decrease	Possible reasons
		Area (ha)	%	Area (ha)	%		
Mango/Litchi/Banana/Jackfruit/Sugarcane	HL	1,008	2.8	1135	3.2	+0.4	Invention of High Yielding Variety, Modern Agricultural Technology, More Irrigation Facility, Increase of Awareness etc.
Rabi Crops (Mustard/Potato/Wheat/Maize/Vegetables)-Boro-T. Aman	MHL	1,783	5.0	3616	10.2	+5.2	
Rabi Crops (Mustard/Potato/Wheat/Maize/Aush/Jute)-T. Aman	HL			2977	8.4	+8.4	
Rabi Vegetables (Potato/Cauliflower/Cabbage/Onion/Brinjal/Bean/Tomato)-Kharip Vegetables (Bitter Gourd/Snake Gourd/Sponge Gourd/Parball/Pumpkin/Ladies Finger/Basil etc)	HL	1,112	3.1	2837	8.0	+4.9	
Rabi Crops (Mustard/Potato/Wheat/Maize/Vegetables)-F-T. Aman	MHL	9,520	26.9	6026	17.0	-9.9	
Boro (Modern)-Fallow-T. Aman (Modern)	MLL	14,099	39.8	8045	22.7	-17.8	
Other Patterns	-	336	1.0	887	2.5	+1.5	
Others (Settlement/Water body/Orchard etc.)	-	7589	21.4	9924	28.0	+6.6	
Total	-	35,447	100.0	35,447	100.0		

3. Union Sahayika Preparation

Name of Office	District	Upazila	No. of shahayika prepared
SRDI, RO, Dinajpur	Dinajpur	Chiribandar	07

4. Mobile Soil Testing Services (MSTL)

Name of Office	Name of Upazila, District & sample no.						Remarks
	Rabi			Kharif			
	District	Upazila	No. of sample	District	Upazila	No. of sample	
SRDI, Regional Office, Dinajpur	Dinajpur	Birganj	55	Dinajpur	Kaharol	63	

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5. Yield Data of STB Field Trial

Name of Office	Upazila	District	Crop (s) & variety (s)	Average yield (t/ha)		Yield increase/decrease (%)
				Farmers' field	Demonstration plot	
SRDI, Regional Office, Dinajpur	Kaharol	Dinajpur	Aman (BRRI-51)	3.85	4.32	12
	Chirir Bandar		Aman (BRRI-34)	2.81	3.23	15
	Birol		Mustard (BARI-14)	1.38	1.55	12.3

6. Distribution of Fertilizer Recommendation Card

Name of Office	District	Upazila	Type of service		Total no. of card distributed	Remarks
			Nirdeshika based recommendation	Online based recommendation		
SRDI, Regional Office, Dinajpur	Dinajpur	Dinajpur Sadar	528	150	678	By Soil Test: 52
		Kaharol				
		Chirir Bandar				
		Birol				

7. Training Programme

7(a) Training Received

Name of Office	Title of the programme	Duration	Host organization	Participant	
				Designation	Number
SRDI, Regional Office, Dinajpur	GIS & Remote Sensing for Smart Agriculture	10 Days	National Agriculture Training Academy (NATA)	Senior Scientific Officer	01
	Data Entry to Survey123 Apps	01 Day	Head Office, SRDI	Scientific Officer	01
	Data Entry to Soil Mastering App	01 Day		Scientific Officer	01
	Web Portal Management	01 Day		Scientific Officer	01

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7(b) Training Imparted

Name of Office	Title of the programme	Duration	Host organization	Participant	
				Type	Number
SRDI, Regional Office, Dinajpur	Method of Soil Sample Collection, Use of Balance Fertilizer & Fertilizer Management	01 Day	SRDI, Regional Office, Dinajpur	Farmers	150
	Training on Use of Upazila Nirdeshika	05 Days		SAAO	50

8. Advisory Services to Beneficiaries

Name of Office	District	Upazila	Agency	Service Provided
SRDI, Regional Office, Dinajpur	Dinajpur	Dinajpur Sadar	Hajee Mohammad Danesh Science and Technology University (HSTU)	Soil Profile Presentation in Field Trip
			Department of Agriculture Extension, HSTU	Technical Assistance

9. Distribution of saplings and/seedlings (if any)

Name of Office	District	Upazila	Number		Total	Remarks
SRDI, Dinajpur	Dinajpur	Dinajpur Sadar	100	-	100	-

10. Soil and Water Salinity (where applicable)

10 (a). Soil salinity (With Graph)

Month	Soil salinity (EC:dS/m)			
	2020	2021	2022	2023

10 (b). water (surface & ground) salinity (With Graph)

Month	Water salinity (EC:dS/m)			
	2020	2021	2022	2023

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11. Research Experiment (if any)

- a) Title of the experiment
- b) Abstract
- c) Introduction
- d) Materials and Method
- e) Results and Discussion
- f) Conclusions

Note: Presenting every experiment, it is necessary to include basic information on land and soil (such as land type, depth and duration of flooding, land use, land form, slope class, soil series, physicochemical parameters where necessary). From Title to Conclusion, every part of the experiment should be written as per standard scientific paper. From Title to Conclusion, every part of the experiment should be written as per standard scientific paper.

12. Details of Officer/Staff

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