

Training and Capacity Development of SI-MFS Actors in Bangladesh

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The [Sustainable Intensification of Mixed Farming Systems Initiative](#) aims to provide equitable, transformative pathways for improved livelihoods of actors in mixed farming systems through sustainable intensification within target agroecologies and socio-economic settings.

Through action research and development partnerships, the Initiative will improve smallholder farmers' resilience to weather-induced shocks, provide a more stable income and significant benefits in welfare, and enhance social justice and inclusion for 13 million people by 2030.

Activities will be implemented in six focus countries globally representing diverse mixed farming systems as follows: Ghana (cereal–root crop mixed), Ethiopia (highland mixed), Malawi: (maize mixed), Bangladesh (rice mixed), Nepal (highland mixed), and Lao People's Democratic Republic (upland intensive mixed/ highland extensive mixed).

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Abbreviations and acronyms

LSP	Local Service Providers
SI-MFS	Sustainable Intensification of Mixed Farming Systems Initiative
WP	Work Package
CIMMYT	International Maize and Wheat Improvement Center
ICARDA	International Center for Agricultural Research in the Dry Areas
IITA	International Institute of Tropical Agriculture
ILRI	International Livestock Research Institute
IRRI	International Rice Research Institute
IWMI	International Water Management Institute

Objectives of the Training

The objectives of the training were as follows:

- To improve the productivity and profitability of crops, vegetables, fruits, cattle, and poultry.
- Enhance farmers' food and nutrition security through diversified crops and livestock production.
- To aware village people about the nutritional importance of vegetables and motivate them to properly use homestead areas for year-round vegetable production.
- To train them on modern and climate-smart production technologies.
- To train them on biofertilizer (compost and vermicompost) and bio-pesticide preparation and use.
- To develop local service providers (LSP) to ensure sustainable availability of quality seeds and seedlings to the local farmers.
- To create employment opportunities for women and youth.

Background

The SI-MFS initiative conducted several training and capacity development programs in 2023 to strengthen farmers' knowledge of different innovations such as crop intensification and diversification, production technologies of crops, vegetables, and fruits, and improved livestock production and management.

Achievements from Northern Bangladesh

The Rangpur region conducted 14 farmers' training to train a total of 380 farm households (98 males and 282 females).

Name of the Event: Training on intensified and diversified cropping systems.

No.	Date	District	Upazila	Village	Participant		Total
					Male	Female	
1	06/03/2023	Rangpur	Sadar	Shahbajpur	3	22	25
2	08/03/2023	Rangpur	Badargonj	South Ramnathpur	4	21	25
3	09/03/2023	Nilphamari	Kishorgonj	Khamar Gram	6	19	25
4	10/03/2023	Nilphamari	Joldhaka	Dharmapal	5	20	25
5	14/11/2023	Nilphamari	Jaldhaka	Uttarberuban	2	28	30
6	15/11/2023	Dinajpur	Sadar	Shibpur	5	25	30
7	16/11/2023	Rangpur	Pirgacha	Shomnarayon	26	4	30
8	19/11/2023	Rangpur	Badargonj	Rajarampur	2	28	30
9	20/11/2023	Rangpur	Sadar	Ishwarpur	5	25	30
10	21/11/2023	Rangpur	Gongachara	Char Isli	2	28	30
11	22/11/2023	Nilphamari	Kishoregonj	Melabor	10	20	30
Total Participants					70	240	310



Photos: Capacity development training on intensified and diversified cropping systems in Rangpur.

Name of the Event: Training on improved fodder cultivation and livestock management.

No.	Date	District	Upazila	Village	Participant		Total
					Male	Female	
1	16/03/2023	Rangpur	Sadar	Shabajpur, Ramnathpur	12	18	30
2	17/03/2023	Nilphamari	Kishorgonj	Khamargram	10	20	30
Total Participants					22	38	60

Name of the Event: Training on Vermicompost production and its utilization.

Event No.	Date	District	Upazila	Village	Participant		Total
					Male	Female	
1	17/04/2023	Rangpur	Sadar	Shahbajpur, Ramnathpur	6	4	10
Total Participants					6	4	10



Photos: Left-Vermicompost training, and Right-fodder production and management training in Rangpur

Achievements from Southern Bangladesh

In 2023, a total of 347 farmers (Female: 184 and Male: 163) were trained in the Patuakhali region on different innovations (homestead gardening, diversified crop production, and improved fodder production and livestock management).

Name of the Event: Training on year-round Homestead Vegetable production

Event No.	Event Date	District	Upazila	Village	Male	Female	Total
1	30/11/23	Barguna	Amtali	Chhota Nilganj	3	25	28
2	29/11/23	Patuakhali	Kalapara	Purba Chakamaiya	3	20	23
3	22/11/23	Patuakhali	Kalapara	Nishanbaria	2	23	25
4	22/11/23	Barguna	Amtali	Chalavanga	3	27	30
5	30/11/23	Barguna	Amtali	Karaibunia	4	20	24
6	27/11/30	Patuakhali	Kalapara	Nijkata	8	25	33
7	25/11/23	Patuakhali	Kalapara	Purba Sonatala	23	12	35
8	25/11/23	Patuakhali	Kalapara	Amirabad	0	30	30
9	1/11/2023	Patuakhali	Kalapara	Roshnabad	10	15	25
Total Participants					56	197	253



Photos: Capacity development training on year-round homestead vegetables production in Patuakhali

Name of the Event: Training on intensified and diversified cropping systems

Event No.	Event Date	District	Upazila	Village	Male	Female	Total
1	4/11/2023	Patuakhali	Kalapara	Nishanbaria	0	22	22
2	8/11/2023	Patuakhali	Kalapara	Purba Chakamaiya	10	13	23
3	13/11/23	Patuakhali	Kalapara	Mostafapur	0	22	22
4	7/11/2023	Patuakhali	Kalapara	Purba Daulotpur	8	12	20
Total Participant					18	69	87



Photos: Capacity development training on intensified and diversified cropping systems in Patuakhali

Name of the Event: Training on improved fodder cultivation and livestock management.

Event No.	Date	District	Upazila	Village	Participant		Total
					Male	Female	
1	27/10/2023	Patuakhali	Kalapara	Upazila Parishad, Kalapara	16	10	26
2	28/10/2023	Patuakhali	Kalapara	Upazila Parishad, Kalapara	27	0	27
3	29/10/2023	Patuakhali	Kalapara	Livestock Hospital, Kalapara	19	4	23

4	30/10/2023	Patuakhali	Kalapara	Livestock Hospital, Kalapara	17	7	24
Total Participants					79	21	100



Photos: Farmer's training on improved fodder production and livestock management in Patuakhali.



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