

Training Compilation Report on Integration of Nutrition in to Agricultural Practices



Nutrition Unit
Bangladesh Agricultural Research Council

Training completion Report
on
“Integration of Nutrition in to Agriculture Practices”

Prepared by:

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Publication

December, 2025

Copies: 10

Publication no: 27

Published by:

Nutrition Unit, Bangladesh Agricultural Research Council, Farmgate, Dhaka-1215

Funded by:

APCU-PARTNER, BARC

Citation:

Moni, Z.R. and Rashid, H.R. “Integration of Nutrition in to Agriculture Practices” 2025.
Training Completion Report, BARC, 16P.

Training Completion Report

on

“Integration of Nutrition in to Agriculture Practices”

1. Title of the Program: Integration of Nutrition in to Agriculture Practices

2. Duration and Date: 3 Days, 9-11 December 2025

3. Venue name and location: Conference Room-2, BARC, Farmgate, Dhaka-1215

4. Organized by: Nutrition Unit, BARC

5. Participants of the organization/institution/agency

- Bangladesh Agricultural Research Council (BARC)
- Bangladesh Agricultural Research Institute (BARI)
- Bangladesh Rice Research Institute (BRRI)
- Bangladesh Fisheries Research Institute (BFRI)
- Bangladesh Livestock Research Institute (BLRI)
- Bangladesh Sugar Crop Research Institute (BSRI)
- Bangladesh Wheat and Maize Research Institute (BWMRI)
- Bangladesh Institute of Nuclear Agriculture (BINA)
- Department of Agricultural Extension (DAE)
- Department of Fisheries (DoF)
- Department of Livestock Service (DLS)
- Bangladesh Agricultural Development Corporation (BADC)
- Department of Agricultural Marketing (DAM)

6. In collaboration with: Other related unit and division of BARC

7. Background and Objectives

Crops, fisheries and livestock ensure food availability and livelihoods, while nutrition determines how food contributes to human health and development. Although agriculture and nutrition are closely interlinked, they are often addressed separately in policies and programs. Strengthening their integration is essential for sustainable food systems, improved dietary diversity, and reduction of malnutrition. Therefore, integrating nutrition into agriculture through targeted training of agricultural and nutrition professionals is vital to design and implement interventions that enhance both productivity and nutritional outcomes.

Objectives of the Training:

- Explain the interconnections between agriculture, nutrition, and health outcomes
- Identify opportunities and entry points for integrating nutrition objectives within agricultural systems and value chains
- Apply tools and frameworks for planning, implementing, and monitoring nutrition-sensitive agricultural programs.
- Develop context-specific action plans to promote collaboration between agricultural and nutrition sectors.

8. Participants

A total of 25 Scientists of NARS, Agricultural Extension, BADC, DAM Officers participated in the training.

Breakdown by gender:

- Male: 12
- Female: 13

9. Training Methodology

The training employed a participatory, adult-learning approach through:

- Interactive Lectures and Presentations
- Group Work
- Experience Sharing Sessions
- Leadership and Communication Exercises (Role Play)
- Development of Action Plans

10. Key Topics Covered

- Concepts and Principles of Nutrition Sensitive Agriculture
- Role of Agriculture in Achieving Nutritional Outcomes
- Leadership for Transformational Change
- Inter-sectoral Collaboration Strategies
- Monitoring & Evaluation of NSA Programs
- Communication and Advocacy for NSA

11. Resource Persons/Facilitators

Experts from the fields of agriculture, nutrition, leadership development, and rural development facilitated the sessions. List of Key resource persons indicated in **Attached program schedule**.

10. Outputs and Outcomes

- Increased awareness and knowledge on NSA among participants
- Identified key challenges and solutions for integrating nutrition in to agriculture
- Strengthened leadership capacity for planning and promoting NSA interventions
- Improved networking and coordination among participants

11. Evaluation and Feedback

Participants provided feedback at the end of the training.

12. Conclusion and Way Forward

This Training on **Integration of Nutrition in to Agriculture Practice** successfully achieved its objectives. Participants expressed strong commitment to apply the knowledge and skills in their respective domains. Follow-up support and monitoring mechanisms are recommended to ensure the implementation of the developed action plans. A post-training mentoring program (development a program with group activities) and knowledge-sharing platform may be established to sustain momentum and build a community of practice around NSA.

13. Annexes

- Program schedule
- List of Participants
- Expectations of participants
- Recommendations of participants
- Group Photos and different event photos
- Evaluation and of resource person

Prepared by:

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Dr. Md. Harunur Rashid, Director (Nutrition), BARC

Programme Schedule**Training
on****“Integration of Nutrition in to Agricultural Practices”
Inaugural Session**

Date & Time	:	09-11 December 2025 & 9:00 AM to 5:00 PM
Registration	:	Muhammad Habibur Rahman, Office Assistant cum-Computer Operator, BARC.
Venue	:	Conference Room-2, BARC, Dhaka.
Organized by	:	Nutrition Unit, BARC.
Participant	:	Scientists and Officers
Course Director	:	Dr. Md. Harunur Rashid, Director (Nutrition), BARC, Dhaka.
Course Co-Ordinator	:	Dr. Zakiah Rahman Moni, PSO (Nutrition), BARC, Dhaka.

Day-1 (09/12/2025)		
9:00-9:30	Registration and Opening Ceremony	
Time	Topic	Resource Specker
9:30 - 10:30	1. Diverse food production through Agro-diversity	Dr. Md. Abdus Salam, Executive Chairman, BARC.
10:30 - 11:00	Tea & Health break	
11:00 - 12:00	2. Nutrition-Sensitive framework: The Connectivity of agriculture, food security and nutrition	Dr. Zakiah Rahman Moni, PSO (Nutrition), BARC.
12:00 - 1:00	3. Post-harvest management for better nutrition	Dr. Md. Atiqur Rahman, PSO, Postharvest Technology Section, HRC, BARI, Gazipur.
1:00 - 2:00	Prayer and lunch break	
2:00 - 3:00	4. Biofortification: Development and use of nutrient-rich crop varieties to improve micronutrient intake	Dr. Anil Kumar Das, Senior National Consultant (Program), FAO, Dhaka.
3:00 - 4:00	5. Research Methods for Strengthening Nutrition-Sensitive Agriculture Linkages	Mr. Ashek Mahfuz, PhD, Portfolio Lead, Large Scale Food Fortification (LSFF) & Value Chain, GAIN, Bangladesh
4:00 – 5:00	6. Market Access and Nutrition: Urban and Peri-Urban Agriculture	Dr. Md. Mosharraf Uddin Molla, Member Director, AERS, BARC
Day-2 (10/12/2025)		
9:30 - 10:30	7. Social and institutional dissemination for NSA	Dr. Anil Kumar Das National Consultant (Program), FAO, Dhaka.
10:30 - 11:00	Tea & Health break	

11:00 - 12:00	8. One health Approach: Linking Human, Animal and Environment health for better nutrition	Dr. Anil Kumar Das National Consultant (Program), FAO, Dhaka.
12:00 - 1:00	9. Safe Harvests, Healthy Diets: The Role of Hygiene in Nutrition-Sensitive Agriculture	Dr. Zakiah Rahman Moni, PSO (Nutrition), BARC
1:00 - 2:00	Prayer and lunch break	
2:00 - 3:00	9. Advance Behavior Change Communication (BCC) for Nutrition-Sensitive Agricultural	Mr. Mehedi Hasan Bappy, Project Coordinator, Youth and Adolescent Nutrition, GAIN, Bangladesh
3:00 - 4:00	10. Integrating Nutrition in resource management resilience in agricultural	Dr. Mouin us Salam, Consultant (HDR), PARTNER, APCU-B ARC.
4:00 – 5:00	12. Food system resilience: Robust and adaptable food systems to withstand shocks	
Day-3 (11/12/2025)		
9:30 - 10:30	13. Use of ICT and digital tools in promoting Nutrition-Sensitive Agricultural	Dr. Md Golam Mahboob, Chief Scientific Officer (Forestry), BARC, Farmgate, Dhaka.
10:30 - 11:00	Tea & Health break	
11:00 - 12:00	14. Linking Data to Diets: The Role of Food Composition Tables in Nutrition-Sensitive Agriculture	Professor Dr. Nazma Shaheen, Former Director, Institute of Nutrition and Food Science University of Dhaka.
12:00 - 2:00	15. Designing a Nutrition-Sensitive Agriculture, Developing Action Plans for Integration	Group Work & Presentation
2:00 - 3:30	Prayer and lunch break	
3:30 - 4:30	Certificate Distribution and Closing Ceremony	

List of Participants

Sl.No.	Name	Designation	Organization
1.	Dr. Sheikh Hasna Habib	SSO (Oilseed Research Center)	BARI
2.	Dr. Mafruha Afroz	SSO (Plant Pathology)	
3.	Rojina Akter	SSO (Tuber Crop Research)	
4.	Dr. Syeda Tasnim Jannat	SO (Training and Communication Wing)	
5.	Dr. Ratna Rani Majumder	SSO (Plant Breeding Div.)	BRRI
6.	Shakir Hosen	SSO (Grain Quality and Nutrition Div.)	
7.	Dr. Mritunjoy Paul	SSO (Fresh Water Research)	BFRI
8.	Dr. A. S. M. Tanbirul Haque	SSO (Shrimp Research Center)	
9.	Rokaiya Sultana Heera	SO (Poultry Production Research)	BLRI
10.	Md. Mostain Billah	SO (Animal Production Research)	
11.	Dr. Md. Shamsul Arefin	PSO (Physiology and Sugar Chemistry)	BSRI
12.	Sanjit Mandal	SO (Farm Division)	
13.	Kazi Nazmus salehin Rafi	SO (Postharvest and Nutrition)	BWMRI
15.	Mst. Rokeya Sultana	SO (Plant Breeding Div.)	BINA
16.	Md. Jahid Hasan	SO (horticulture Div.)	
17.	S.M. Mustafizur Rahman	PS, EC	BARC
18.	Dr. Albely Afifa Mir	Senior (Assistant Director)	BADC
19.	Habiba Nasrin	Additional (Deputy Director)	DAE
20.	Rajia Sultana	Additional, Deputy Director (L.R)	
21.	Shaila Akter	Senior Assistant Director	DOF
22.	Mst. Shahriar Salma	Assistant Director	
23.	Dr. Mohammed Aminul Haque	Upazila Livestock Officer	D LS
24.	Mohammad Mushfiquur Rahman	Additional Director	
25.	Zannatul Nayeem	Senior Monitoring Officer	PARTNER, Program

Expectation of the participants from the Training Program

Sl No	Topic	Fulfillment of the expectations
1.	To understand the fundamentals and implementation process of nutrition-sensitive agriculture (NSA).	Covered
2.	To learn practical approaches for integrating nutrition into agricultural practices.	Covered
3.	Participation in interactive and self-learning training sessions.	Partially fulfilled
4.	Group discussions and participatory activities integrated in to the training schedule.	Covered
5.	Support and guidance for effective implementation of the NSA Action Plan.	Covered
6.	Inclusion of ICT-driven NSA approaches supporting SDG-2 (Zero Hunger) and SDG-3 (Good Health and Well-being) through various digital platforms	Covered
7.	Understanding the role of research in strengthening community-based linkages.	Covered
8.	Clear understanding of institutional linkages required for effective implementation, visit any program	Not fulfilled
9.	Alignment of training outcomes with national and global goals, including the Sustainable Development Goals (SDGs).	Partially fulfilled
10.	Understand the role of scientists in planning, implementing of NSA	Covered

Recommendations of Participants

After reviewing the participants' feedback (as detailed in the attached sheet), it was observed that most participants appreciated the training program for its comprehensive scope and its ability to introduce new perspectives. Certain minor suggestions highlighted for the improvement in Food, accommodation, and arrangement for field trips Which were not addressed due to resource limitations. The most relevant and actionable recommendations have been documented for future improvement and enhanced collaboration are as follows:

- More topic on nutrition and health should be incorporated
- The training duration should be extended from 3 days to 5 days
- Livestock and fisheries related more information's should be included in this program
- A field trip session can be included to make the training more practical
- BARC is recommended to support and strengthen nutrition-sensitive agriculture (NSA) activities in relevant institutes through various programs
- Resource Specker from livestock, fisheries and universities might be included
- Include sessions on balanced diets, covering recommended quantities of rice, meat, and other protein sources in relation to individual BMI
- Include more comprehensive content related to livestock and animal-source foods
- This training should be arranged in Sub-sector specific (Crop, Livestock, Fisheries) in future

Group Photos & different event photos



Group Photo



Best Team Leader Award



Certificate awarding ceremony



Award for Best Group



Best Group awardee with appreciation



Group Presentation



Opening Discussion



Lecture Deliberation



Group Work



Lecture Deliberation



Participant's opinion on SBCC



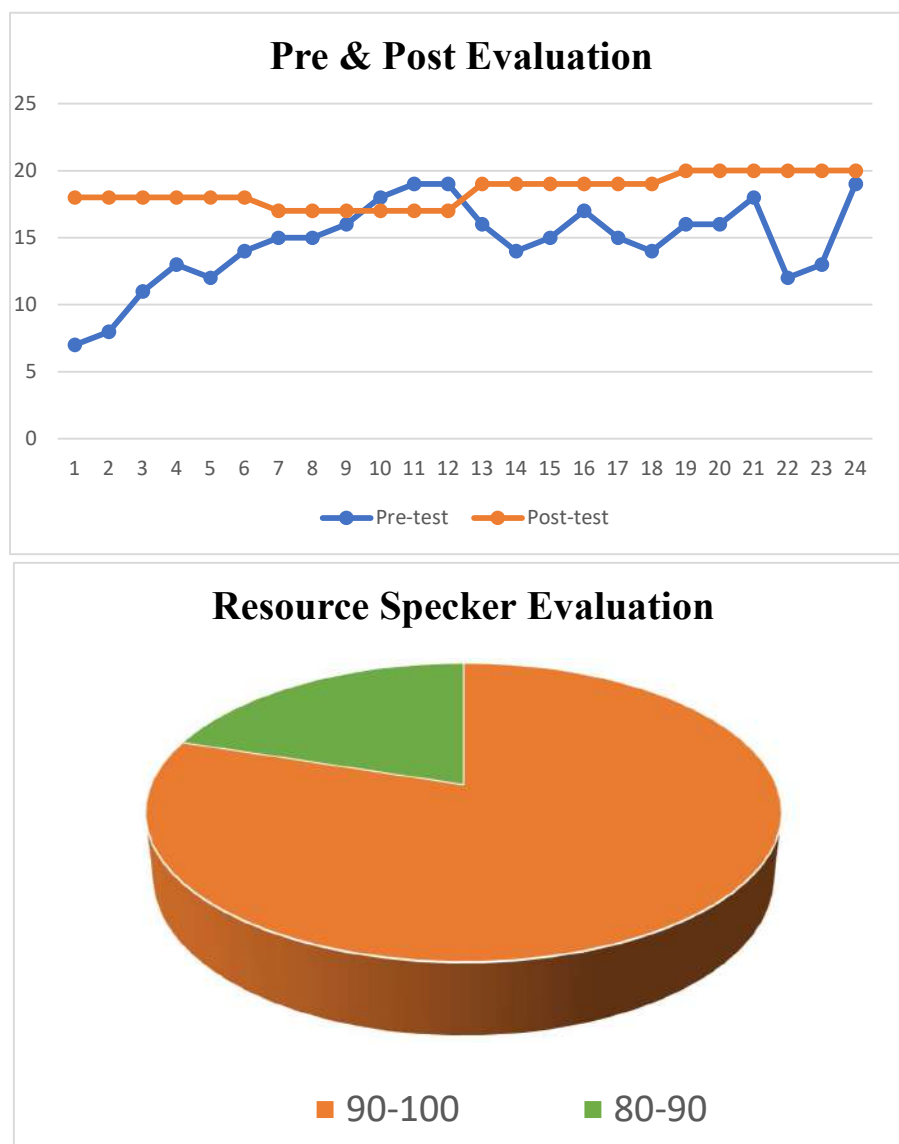
Expert Panel



Role Play



Pair Work

Participants Evaluation:**Acknowledgment**

We are pleased to acknowledge the successful completion of the training. This achievement reflects the participants and resource speakers dedication, active engagement, and commitment to continuous learning and professional growth. We extend our heartfelt appreciation to the trainers, financial support from PARTNER and support staffs. We sincerely acknowledge all logistic supports of BARC and efforts made the training a success. The knowledge and skills gained through this training will contribute to enhanced performance and future accomplishments.



Bangladesh Agricultural Research Council