

Training **on** **“Food Security”**

Course Completion Report



National Agriculture Training Academy (NATA)
Ministry of Agriculture
www.nata.gov.bd

Training Course
on
“Food Security”

Duration: 27-31 October, 2019

Course Management

- Course Advisor** : Dr. Md. Abu Sayeed Miah
Director General (In charge)
NATA, Gazipur
- Course Coordinator** : Md. Jamaluddin
DD (Ag. Extension & Rural Eco.), NATA
- Asst. Course Coordinator** : 1. Md. Anwarul Islam Juwel
Senior Assistant Director (Ag. Extension)
NATA, Gazipur
- : 2. Naima Sultana
Senior Assistant Director (Ag.
Economics)
NATA, Gazipur

1. Introduction

One of the fundamental rights of the citizens stipulated in the Bangladesh Constitution is food security for all. According to the FAO universal declaration-1996, food security exists when all people, at all times, have access to sufficient, safe and nutritious food to maintain healthy and productive lives. The key elements of food security are: a) availability of enough food from domestic production and/or imports to meet the demand, b) access of the food to all people at all times through enough incomes and affordable prices, c) proper hygiene and sanitary practices and safe water for utilization of food to have optimum impact on health and nutrition, and d) a regulatory framework in place and its proper implementation for controlling contamination to ensure food safety.

The main challenge for achieving and sustaining food security comes from continuing growth of population. But the population is still increasing by 1.8 to 2.0 million every year. Rice production has to increase by four lakh m. tones every year to meet the need for staple food for the growing population. The increase in domestic production at that rate would be difficult due to several supply side factors. The arable land has been shrinking by 0.6 percent every year due to demand from housing and industries, and infrastructure, as well as loss of land from river erosion. With global warming and climate change, another one-sixth of the land may be submerged with brackish water due to rising sea levels. The on-going climate has made the monsoon more erratic, raising risks in food production.

Bangladesh has yet to achieve comprehensive food security that resolves the problems of inadequate food intake and chronic malnutrition among poor people. Solving these problems will require holistic and concerted action by the government, the private sector and individual households. Continuous efforts need to be made in developing and diffusion of improved crop varieties and natural resource management to generate adequate supply of food to meet the needs of the growing population.

Training is a learning process which helps people to achieve skill, change attitudes and acquire new concepts and knowledge to aid in the achievement of organizational and National goal. It is a key to reduce the gap between expected and actual performance level. Training is treated as a continuous process of learning through which employees can be groomed to respond the changing needs of the 21st century & national interest to serve the citizen. This manual on food security will help the government officers and public sectors training institutions to ensure conducting regular training courses for all officers & frontline extension workers & end users. Course content has been outline with course objectives & session schedule. Honorable Director General of NATA, Dr. Md. Mathhurul Hoque always guide in preparing the course content of food security in context of Bangladesh & Global perspective. Dr. Md. Mozaher Ali, Prof & Director, GTI, Mymensing place his great contribution in preparing lesson plan. Mir Nurul Alam, Director Training always encourage & guidance in preparing the module. Nevertheless, authorities have liberty to adjust the course contents and schedule according to the specific needs of the organizational and the national demand.

Finally this module has been prepared to guide the government officers under ministry of Agriculture with the view of dissemination of modern technologies to the end users to comply with sustainable development in food production and also ensure Food safety & Nutrition. We hope this manual will help in capacity building of public servants under ministry of Agriculture and prepare them in facing challenges of food security& implement the National Food Policy for ensuring food security, food safety & nutrition in context of Bangladesh and Global perspective.

2. Course Objectives

- **Rationale:** One of the fundamental rights of the citizens stipulated in the Bangladesh Constitution is food security for all. Food security exists when all people, at all times, have access to sufficient, safe and nutritious food to maintain healthy and productive lives. The key elements of Food security are: a) availability of enough food from domestic production and/or imports to meet the demand, b) access of the food to all people at

all times through enough income and affordable prices, c) proper hygiene and sanitary practices and safe water for utilization of food to have optimum impact on health and nutrition, and d) a regulatory framework in place and its proper implementation for controlling contamination to ensure food safety.

- Trainees will study policy documents and institutional setup of National Food Policy'2006 (NFP) and Food Safety Authority2013 in Bangladesh including those related to key goals, strategies and challenges of the food security system and become familiar with methods and process formulating and implementing food security policies in Bangladesh.

3. Duration of the Course: 27-31October, 2019

4. Participants of the Course (annexure 1)

5. Training Schedule (annexure 4)

6. List of Resource Person & guest speaker (annexure 3)

7. Training Method & Material

Lecture, Discussion, Exercise, Group Work Practical work and live coaching

8. Sports & Recreation:

There is a playground, a tennis court and a volley ball court in NATA campus. So the participants can avail the opportunity to play sports in that areas.

There is also a recreation room with color T.V and facilities of indoor games in the dormitory. The daily newspapers were also available in the recreation room for the participants.

09. Evaluation Procedure of the Participants

10. Course Evaluation by the participants

11. Pre and Post Evaluation Test (annexure 2)

12. Speakers Evaluation (annexure 5)

Concluding Session

Feedback from the participants

The training was demand driven. The topics were very contemporary. The resource persons were topic relevant experts, knowledgeable and veteran. So resource speakers' selection was undoubtedly accurate to cope up with the time demand topics. There was an ample scope to get introduced and exchanged ideas between the officers of different organizations under the Ministry of Agriculture. The time management of the training was definitely excellent. Moreover, residential facilities were better. Concept of mess management was introduced. The training was carried out maintaining a strong discipline. They got the Wi-Fi facilities in the dormitory. They enjoyed field visit. In fact, the cooperation of Course Coordinator, Assistant Course Coordinator and the NATA authority was praiseworthy. In a nutshell, the training was incredibly fruitful for them.

Speech by the Course Coordinator

The training on food security was selected on the basis of training need assessment from the officers of the different organizations under the Ministry of Agriculture. We tried our level best to make the training program successful. For that, we had selected the time demanded course content and expert speakers. Furthermore, we also looked upon the different discipline related issues for smooth running of the training program. We expected that this program would certainly develop their knowledge and skill.

Speech by the Chief Guest:

This training course is very much essential for both personal and professional life. To meet up the demand of digital Bangladesh as well as to become a middle income country and to achieve the goal of vision 2021, the knowledge on food security is inevitable for proper functioning of the govt. and non govt. activities. The Course Coordinator was proficient enough to select the topics

related to food security. The participants could apply the acquired knowledge and skill in their respective areas competently.

Speech by the Chairperson

This training is need based training. The participants own the Challenges to boost up the production and consumption of crops in Bangladesh. From such consideration, this training course was organized. Throughout the world, food security is demand driven and upgrading.

Distribution of Certificate

The certificates were distributed among the participants after successfully completion of the training.



(Annexure 1)

National Agriculture Training Academy (NATA) Gazipur-1701

Training on “Food Security”

Duration: 05 Days (27-31October, 2019) Batch: 01

প্রশিক্ষণার্থীদের তালিকা

ক্র.	নাম ও পদবী	কর্মস্থল	মোবাইল ও ইমেইল
১.	মোহাঃ নাছির উদ্দীন উপপরিচালক	অতিরিক্ত পরিচালকের, কার্যালয় চট্টগ্রাম অঞ্চল, চট্টগ্রাম	০১৭১১৪৮১২৫৫ nasiruddin2023@gmail.com
২.	এ, এফ, এম. শাহাবুদ্দিন উপজেলা কৃষি কর্মকর্তা	উপজেলা কৃষি অফিস, লালমোহন, ভোলা	০১৭২২৫৪৩৯৮৮ shahabuddin31dae@gmail.com
৩.	মোহাম্মদ রেজাউল হক উপজেলা কৃষি কর্মকর্তা	উপজেলা কৃষি অফিস, লাকসাম, কুমিল্লা	০১৭১০২৯৬১৪৯ uao.laksham@gmail.com
৪.	মোঃ মাহমুদুল হাসান কৃষি সম্প্রসারণ কর্মকর্তা	উপজেলা কৃষি অফিস, বেচকুচি, সিরাজগঞ্জ	০১৫৭১৭৯৭২৯৫ sujitdae37@gmail.com
৫.	মোঃ জামাল হোসেন উপজেলা কৃষি কর্মকর্তা	উপজেলা কৃষি অফিস, বাঞ্চরামপুর, ব্রাহ্মণবাড়িয়া	০১৭১৮৯২৭৫২৩ gmbadrulhasan@gmail.com
৬.	মোঃ জাহিদুল ইসলাম কৃষি সম্প্রসারণ কর্মকর্তা	উপজেলা কৃষি অফিস, লংগদু, রাঙ্গামাটি	০১৮৭৮০৩৯০৪৯ jahid sau 67@gmail.com
৭.	মানস কুমার রায় কৃষি সম্প্রসারণ কর্মকর্তা	উপজেলা কৃষি অফিস, আটোয়ারী, পঞ্চগড়	০১৭১৪০৮৪০৮৫৫ manaskumaraeo36@gmail.com
৮.	দিপু রায় কৃষি সম্প্রসারণ কর্মকর্তা	উপজেলা কৃষি অফিস, রৌমারী, কুড়িগ্রাম	০১৭৩৭৬৬৫৩৩১ dipuroy12@gmail.com
৯.	শেখ সাখাওয়াত হোসেন কৃষি সম্প্রসারণ কর্মকর্তা	উপজেলা কৃষি অফিস, রূপসা, খুলনা	০১৭৩৭৯৩৯৩৭৯ uaorupsha@gmail.com
১০.	মোঃ আব্দুল্লাহ আল নোমান কৃষি সম্প্রসারণ কর্মকর্তা	উপজেলা কৃষি অফিস, কালীগঞ্জ, ঝিনাইদহ	০১৭৩৬৬০২৬৩১ nomansau69@gmail.com
১১.	মোঃ আব্দুল ওয়াদুদ সহকারী আঞ্চলিক বীজ প্রত্যয়ন অফিসার	বীজ প্রত্যয়ন এজেন্সি, রাজশাহী অঞ্চল, রাজশাহী	০১৭১৫৪৩৯৬০০ rscsca.bd@gmail.com
১২.	ড. মোঃ সাইফুল আলম জেলা বীজ প্রত্যয়ন অফিসার	বীজ প্রত্যয়ন এজেন্সি, নাটোর	০১৭১১১৩৮৫৭৬ dsco.natore@sca.gov.bd
১৩.	মোঃ আমিনুল ইসলাম বৈজ্ঞানিক কর্মকর্তা	এসআরডিআই, আঞ্চলিক গবেষণাগার, রাজশাহী	০১৭১১৫৮৩৫৯০ aminul@srddi.gov.bd

১৪.	মোহাঃ মিজানুর রহমান বৈজ্ঞানিক কর্মকর্তা	এসআরডিআই, আঞ্চলিক গবেষণাগার, রাজশাহী	০১৯১৭৯০৮৭১১ mizansrdi@gmail.com
১৫.	মোঃ শামসুল আরেফীন উর্ধ্বতন বৈজ্ঞানিক কর্মকর্তা	বিএসআরআই, ঈশ্বরদী, পাবনা	০১৭১১৩০৩৯৪০ arefinbrsi@gmail.com
১৬.	হিমাদ্রী প্রসাদ রায় বৈজ্ঞানিক কর্মকর্তা	বিএসআরআই, ঈশ্বরদী, পাবনা	০১৭১৬৪৯৫৩৬১ himu.pstu@gmail.com
১৭.	ড. মোঃ আলমগীর মিয়া প্রধান বৈজ্ঞানিক কর্মকর্তা	বাংলাদেশ গম ও ভুট্টা গবেষণা ইনস্টিটিউট নশিপুর, দিনাজপুর	০১৭৫৯৩০৯১৫০ alamgir7632@gmail.com
১৮.	মোঃ মাহমুদুল হাসান তুলা উন্নয়ন কর্মকর্তা	তুলা উন্নয়ন বোর্ড, খামারবাড়ি, ঢাকা	০১৭৪৭২২৫৬৪৬ mahmudul170@gmail.com
১৯.	মোঃ সালাহ উদ্দিন তুলা উন্নয়ন কর্মকর্তা	তুলা উন্নয়ন বোর্ড, ময়মনসিংহ জোন, ময়মনসিংহ	০১৬৭৪৪০৬২৫৭ salahuddin.at@gmail.com
২০.	মোরসালীন জেবীন তুরিন বৈজ্ঞানিক কর্মকর্তা	বারটান আঞ্চলিক কার্যালয়, সিরাজগঞ্জ	০১৭২৩৬৭২১৯২ zebin@birtan.gov.bd
২১.	ড. জাসমিন আরা চৌধুরী উর্ধ্বতন বৈজ্ঞানিক কর্মকর্তা	কৃষিতত্ত্ব বিভাগ, বিএআরআই, গাজীপুর	০১৭১১২৪০৮২৬ Jasminedaisy.bari@gamil.com
২২.	ড. মোঃ মোতাকিম বিল্লাহ উর্ধ্বতন বৈজ্ঞানিক কর্মকর্তা	উদ্ভিদ প্রজনন বিভাগ, বিএআরআই, গাজীপুর	01912286528 So_1434@yahoo.com
২৩.	মোঃ মানুন্নুর রশিদ উর্ধ্বতন বৈজ্ঞানিক কর্মকর্তা	খামার ব্যবস্থাপনা বিভাগ, বিআরআরআই, গাজীপুর	০১৭৩৭১৪৭৯৭০ leubau59@yahoo.com
২৪.	ড. আফছানা আনছারী বৈজ্ঞানিক কর্মকর্তা	হাইব্রিড রাইস বিভাগ, বিআরআরআই, গাজীপুর	০১৭১২০৮৪৭৩০ afsanabrri@gmail.com
২৫.	ড. মোছাঃ রহমত আরা সিনিয়র সহকারী পরিচালক	আরবান সেলস সেন্টার, সেচ ভবন, মানিক মিয়া এভিনিউ, বিএডিসি, ঢাকা	০১৮১৯০৬০২৯৪
২৬.	শাহ মোহাঃ দেলোয়ার হোসেন ডেপুটি ম্যানেজার (এএসসি)	এগ্রো সার্ভিস বিভাগ, কৃষি ভবন, বিএডিসি, ঢাকা	০১৭১৫৬৯২২৪৭
২৭.	মোঃ সোহরাব হোসেন কৃষি সম্প্রসারণ অফিসার	উপজেলা কৃষি অফিস, পাঁচবিবি, জয়পুরহাট।	01738-784691 Sohrabhossain97@gmail.com
২৮.	তুষার সাহা কৃষি সম্প্রসারণ অফিসার	উপজেলা কৃষি অফিস, গোপালপুর, টাঙ্গাইল	
২৯.	শাকুরা নাম্মী কৃষি সম্প্রসারণ অফিসার	উপজেলা কৃষি অফিস, মধুপুর, টাঙ্গাইল	
৩০.	মোঃ লুৎফর রহমান মোল্যা প্রধান বৈজ্ঞানিক কর্মকর্তা	কীটতত্ত্ব বিভাগ, বিনা, ময়মনসিংহ	

(Annexure 2)

Pre and Post Evaluation of the Trainees

Duration: 5 days, Dated: 27-31 October Full Marks: 50 Time: 30 Minute

SL	Name	Designation	Obtained Marks	
			Pre evaluation	Post evaluation
1.	MD. NASIR UDDIN	Deputy Director, DAE, Chattogram Region, Chattogram	17	35
2.	A. F. M. SHAHABUDDIN	Upazila Agriculture Officer, Upazila Agriculture Office, Lalmohan, Bhola	16	30
3.	MOHAMMAD REZAUL HAQUE	Upazila Agriculture Officer, Upazila Agriculture Office, Laksam, Cumilla	07	28
4.	MD.MAHMUDUL HASSAN	Agriculture Extension Officer, Upazila Agriculture Office, Belkuchi, Sirajganj	07	36
5.	MD. JAMAL HOSSAIN	Upazila Agriculture Officer, Upazila Agriculture Office, Bancharampur, Brahmanbaria	20	32
6.	MD. JAHIDUL ISLAM	Agriculture Extension Officer, Upazila Agriculture Office, Langadu, Rangamati	06	37
7.	MANAS KUMAR ROY	Agriculture Extension Officer, Upazila Agriculture Office, Atwari, Panchagarh	18	35
8.	DIPU ROY	Agriculture Extension Officer, Upazila Agriculture Office, Rowmari, Kurigram	09	32
9.	SHEIKH SAKHOAT HOSSAIN	Agriculture Extension Officer, Upazila Agriculture Office, Rupsa, Khulna	15	36
10.	MD. ABDULLAH AL NOMAN	Agriculture Extension Officer, Upazila Agriculture Office, Kaliganj, Jhenaidah	07	36

SL	Name	Designation	Obtained Marks	
			Pre evaluation	Post evaluation
11.	MD. ABDUL WADUD	Assistant Regional Seed Certification Officer, SCA, Rajshahi Region, Rajshahi	17	44
12.	DR. MD. SAIFUL ALAM	District Seed Certification Officer, SCA, Natore	03	36
13.	MD. AMINUL ISLAM	Scientific Officer, SRDI, Regional Laboratory, Rajshahi	12	22
14.	MD. MIZANUR RAHMAN	Scientific Officer, SRDI, Regional Laboratory, Rajshahi	12	34
15.	MD. SHAMSUL AREFIN	Senior Scientific Officer, BSRI, Ishurdi, Pabna	06	36
16.	HIMADRI PROSAD ROY	Scientific Officer, BSRI, Ishurdi, Pabna	07	30
17.	MD. ALAMGIR MIAH	Principal Scientific Officer, Bangladesh Wheat and Maize Research Institute, Nashipur, Dinajpur	14	40
18.	MD. MAHMUDUL HASAN	Cotton Development Officer, Cotton Development Board, Farmgate, Dhaka	08	44
19.	MD. SALAHUDDIN	Cotton Development Officer, Cotton Development Board, Mymensingh Zone, Mymensingh	26	28
20.	MURSALEEN ZEBIN TURIN	Scientific Officer, BIRTAN, Regional Office, Sirajganj	15	36
21.	DR. JASMINE ARA CHOWDHURY	Senior Scientific Officer, Department of Agriculture, BARI, Gazipur	6	40
22.	DR. MD. MOTASIM	Senior Scientific Officer, Plant Breeding	14	25

SL	Name	Designation	Obtained Marks	
			Pre evaluation	Post evaluation
	BILLAH	Division, BARI, Gazipur		
23.	MD. MAMUNUR RASHID	Senior Scientific Officer, Farm Management Division, BRRI, Gazipur	19	24
24.	DR. AFSANA ANSARI	Scientific Officer, Hybrid Rice Division, BRRI, Gazipur	09	36
25.	Md. SIFUL ISLAM	Senior Assistant Director, NATA, Gazipur	08	43
26.	SHAH MD. DELDER HOSSAIN	Deputy Manager (ASC), Agro Services Division, BADC, Dhaka.	12	36
27.	MD. SOHRAB HOSSAIN	Agriculture Extension Officer, Upazila Agriculture Office, Panchbibi, Joypurhat.	17	36
28.	TUSHAR SAHA	Agriculture Extension Officer, Upazila Agriculture Office, Gopalpur, Tangail	19	33
29.	SHAKURA NAMNI	Agriculture Extension Officer, Upazila Agriculture Office, Madhupur, Tangail	09	36
30.	MD. LUTFAR RAHMAN MOLLAH	Principal Scientific Officer, Entomology Division, BINA, Mymensingh	09	33

(Annexure 3)

SPEAKER LIST

SL. NO	NAME	DESIGNATION	MOBILE NO	EMAIL
01	Dr. Abdul Mannan	Consultant, FAO	01749-280686	abdul.mannan@fao.org
02	Dr. Abu Sayed	Professor, BIRDEM	01819-409480	Sayed1950@gmail.com
03	Md. Hamidur Rahman	Ex DG, DAE, Dhaka	01711-803695	
04	A.K.M. Nurul Afsar	National Team Leader, IFF-B for Safe Food Project	01760-660422	akm.afsar@fao.org
05	Md. Jahirul Islam	ULO, Gazipur Sadar	01711-157404	
	DR. Md. Lutfor Rahman	ULO, Gazipur	01711064176	lutfur555@gmail.com
06	Dr. Md. Monirul Islam	Director Nutrition, BARC, Dhaka	01777-686866	dmmislam@yahoo.com
07	Dr. Md. Lutfor Rahman	Director (Research.), BARI, Gazipur	01716063808	
08	Dr. Syed Nurul Alam	Director (Planning & Evaluation), BARI	01711-907886	
09	Md. Hafiz Uddin, PSO, BARI. Gazipur	PSO, BARI. Gazipur Post Harvest Division	01715-063263	mhhkhan.bari@gmail.com
10	Dr. Sahidur Rashid Bhuiyan	Prof. G&PB, Ex. Pro-vice Chancellor, SAU	01552-467945	
11	Dr. Moinus Salam	International Consultant	01855-	

		Cymmyt, Bangladesh	871938	
12	Ahsanuddin	Panel Member, South-east Asia	01714- 132578	
13	Dr. Rezaul Karim	Consultant, FAO	01720- 343873	
14	Dr. Bakhtiar	Director, SARK Centre	01733- 955229	
15	Dr. Md. Aatur Rahman	PSO (Research Division), BARI, Gazipur	01715421401	ataur67@yahoo.com
16	Dr. Babul Chandra Sarker	PSO, Horticulture centre, BARI, Gazipur	01716- 009319	
17	Jannatul Sahin	UFO, Gazipur Sadar	01741203239	shahinj.dof83@gmail.com
18	Dr. Debasis Roy	CSO & Head (Entomology Depart), BARI, Gazipur	01712- 274933	
19	Dr. Md. Ramizuddin Miah	Professor, Dept. of Entomology, BSMRAU	01552495584	ramizmiah@yahoo.co.uk
20	Dr. Zulfikar	Professor, BAU	01714- 074313	
21	Dr. Israt Jahan	Nutritionist, BRB Hospital	01767- 843873	
22	Dr. Anil Kumar Das,	Consultant, FAO	01712150667	anil.das@fao.org
23	DR. Md. Lutfor Rahman	ULO, Gazipur	01711064176	lutfur555@gmail.com

(Annexure 4)



Safe and Nutritious Food for all”

National Agriculture Training Academy

Gazipur-1701

www.nata.gov.bd

Training Course on Food Security

Duration: 27 to 31 October, 2019

Daily Training Schedule

Working Day-01

Day- Sunday

Date: 27-10-2019

Time	Topics	Speaker/ Facilitator
09.00-9.30	Registration	Laki, SAAO and Md. Anwarul Islam Juwel, Sr.AD, NATA
9.30-10.00	Inaugural	DG ,Course Coordinator & Faculty Members
10.00-10.15	Pre-evaluation	Naima Sultana, Sr.AD, NATA
10.15-11.15	Historical overview of Food security in Bangladesh; Policy and its institutional framework	Dr. Anil Kumar Das, Consultant, FAO, Dhaka 01712150667
11.15-11.30	Tea break	
11.30-12.30	National Food Security Policy (NFP)'2006 and its perspective plan of action to ensure Food Security	Dr. Anil Kumar Das, Consultant, FAO, Dhaka 01712150667
12.30-1.30	Modern Technologies of Fruits & Vegetable production: Ensuring nutritional security and uplifting poverty of rural livelihood	Dr. Babul Chandra Sarker PSO, Horticulture center, BARI, Gazipur 01716-009319
1.30-2.30	Prayer & Lunch Break	

2.30-3.30	Food security and its different concept; Food security in context of Bangladesh & Global perspective	Dr. Md. Delwar Hossain, Ex-DD, NATA 01855333570
3.30-4.30	World Hunger and Food security: Challenges & Opportunities	Dr. Md. Delwar Hossain, Ex-DD, NATA 01855333570

Working Day-02

Day-Monday

Date: 28-10-2019

Time	Topics	Speaker/ Facilitator
9.05-9.15	Review of the previous day	Naima Sultana, Sr.AD, NATA
9.15-10.15	Rice development strategies towards food security in Bangladesh, Vision 2050	Dr. Moinus Salam International. Consultant, Cymmyt, Bangladesh 01855-871938
10.15-11.15	Threat of climate change & disaster in food security; adaptable technologies to face the challenges of climate change in Bangladesh	Dr. Moinus Salam International. Consultant, Cymmyt, Bangladesh 01855-871938
11.15-11.30	Tea Break	
11.30-12.30	Food security and Nutritional situation in Bangladesh;	Dr. Abu Sayed, Professor BIRDEM 01819-409480
12.30-1.30	Potential risk of Public health due to malnutrition	Dr. Abu Sayed, Professor BIRDEM 01819-409480
1.30-2.30	Prayer & lunch Break	
2.30-3.30	Fisheries production: its availability in food security & nutrition and mechanism to promote Fish production in Bangladesh	Jannatul Sahin, UFO, Gazipur Sadar 01741203239
3.30-4.30	Ensuring Food safety through food chain: Heavy metal contamination; Use of chemicals, Hormones in Fruits & vegetables and its residual effect	Dr. Md. Ramizuddin Miah Professor, Dept. of Entomology, BSMRAU 01552495584

Working Day-03

Day-Tuesday

Date: 29-10-2019

Time	Topics	Speaker/ Facilitator
9.05-9.15	Review of the previous day	Naima Sultana, Sr.AD, NATA
9.15-10.15	Livestock production: its availability in food security & nutrition safety for growing population of Bangladesh	DR. Md. Lutfor Rahman,ULO,Gazipur 01711064176
10.15-11.15	SDG strategies for Sustainable development of Bangladesh	Munsi Mohammad Hedayetullah, Ex-DG, NATA 01711193834
11.15-11.30	Tea break	
11.30-12.30	Threat to Food security and Strategies for improving food security; Mechanism to promote Food Security in Bangladesh	Munsi Mohammad Hedayetullah, Ex-DG, NATA 01711193834
12.30-1.30	Sustainable Agriculture development in assurance of food security: achievement, challenges, opportunities	Munsi Mohammad Hedayetullah, Ex-DG, NATA 01711193834
1.30-2.30	Prayer & lunch Break	
2.30-3.30	Strategies of sustainable production of wheat, maize & minor cereal crops for maintaining food security in Bangladesh	Dr. Md. Aatur Rahman, PSO (Research Division), BARI, Gazipur 01715421401
3.30-4.30	Deficiency symptoms, BMI and Sources of micronutrient in Human Body	Dr. M A Mazed, DD, Khamarbari, Dhaka 01814849190

Working Day-04
Date: 30-10-2019

Day-Wednesday

Time	Topics	Speaker/ Facilitator
9.05-9.15	Review of the previous day	Naima Sultana, Sr.AD, NATA
9.15-10.15	Genetically Modified (GM)Crops, Its impact on food security & Human health	Dr. Sahidur Rashid Bhyuiian, Prof. G&PB and Ex. Pro- Vice Chancellor, SAU 01552-467945
10.15-11.15	Gender & Food Security: Women's role in Food Hygiene and Nutritional safety in household	Dr. Sahidur Rashid Bhyuiian, Prof. G&PB, Ex. Pro-vice Chancellor, SAU 01552-467945

11.15-11.30	Tea break	
11.30-12.30	Food Consumption, Balanced diet & Nutritional demand	Dr. Md. Monirul Islam, Director Nutrition, BARC, Dhaka 01777-686866
12.30-1.30	Food adulteration and its effect on public Health	Dr. Md. Monirul Islam, Director Nutrition, BARC, Dhaka 01777-686866
1.30-2.30	Prayer & lunch Break	
2.30-3.30	Post-harvest handling, Food Processing and Preservation and its importance for food security	Md. Hafiz Uddin, PSO, BARI. Gazipur 01715063263
3.30-4.30	Food Hygiene & Food habit change for ensuring Good health and Long life	Dr. Md. Delwar Hossain, Ex-DD, NATA 01855333570

Working Day-05
Date: 31-10-2019

Day- Thursday

Time	Topics	Speaker/ Facilitator
9.05-9.15	Review of the previous day	Naima Sultana, Sr.AD, NATA
9.15-10.15	Mushroom Development: Nutrition & Food Security	Dr. Nirod Chandra Sarker, DD, Mushroom development Centre, Saver, Dhaka
10.15-11.15	Food safety Act- 2013	A.K.M. Nurul Afsar, National Team Leader, IFS-B for Safe Food Project & EX-Dg (Food) 01760-660422
11.15-11.30	Tea break	
11.30-12.30	Food Safety Authority 2015 for ensuring Safe Food and Food security	A.K.M. Nurul Afsar, , EX-Dg (Food) 01760-660422
12.30-1.30	Perspective Plan of action & Issues of Access to Food in Developing countries like Bangladesh (Group work & Presentation)	Md. Jamal Uddin, DD(Entomology), NATA 01718214607
1.30-2.30	Right to Information ACT	Khabirunnahar, Senior Assistant Director, NATA
2.30-3.00	Prayer & lunch Break	

3.00-3.30	Post Evaluation	Md. Anwarul Islam Juwel, & Naima Sultana, Sr.AD, NATA
3.30-4.30	Closing Ceremony	DG, Director, Course Coordinator/ Assistant Course coordinator & Faculty members

Pre and Post Evaluation

Question of Food Security Training Course

1. What is food security?
2. What is Sustainable development?
3. What do you mean by GM Crops, MDG & SDG?
4. Mention the goals of MDG & SDG and also mention the target year.
5. What do you mean by Food Quality, Access to food, Food availability and food utilization?
6. Do you think Bangladesh is sufficient in cereal production and which year?
7. Total production of cereal production now in Bangladesh is.....
8. Total amount of vegetables production in Bangladesh is.....
9. Vegetables & Fruit consumption per head per day isgm &gm respectively.
10. What is nutrition & malnutrition ?
- 11.No. of people suffering from Malnutrition in Bangladesh
- 12.What are the main reasons to explain the food crisis?
- 13.What strategies for improving food security do you recommend?
- 14.Put your comment about Training Course.
- 15.What is your suggestion about training course?

(Annexure 5)

Speaker Evaluation by the Trainees

Date: 27-10-2019

Sl No of Trainees	Dr. Anil Kumar Das, Consultant, FAO, Dhaka 01712150667	Dr. Babul Chandra Sarker PSO, Horticulture center, BARI, Gazipur	Dr. Md. Delwar Hossain, DD (Ag. Extension& Rural Eco.), NATA		
	Historical overview of Food security in Bangladesh; Policy and its institutional framework	National Food Security Policy (NFP)'2006 and its perspective plan of action to ensure Food Security	Modern Technologies of Fruits & Vegetable production: Ensuring nutritional security and uplifting poverty of rural livelihood	Food security and its different concept; Food security in context of Bangladesh & Global perspective	World Hunger and Food security: Challenges & Opportunities
1	4.8	5.2	5.2	5.2	5.2
2	4.8	5.2	5.2	5.2	5.2
3	4.8	5.2	5.2	5.2	5.2
4	4.2	5.6	6	6	6
5	4.4	5	5	5.2	5
6	5.6	4.6	5.8	5	5
7	4	4.4	3.8	4.8	4.8
8	4.6	4.6	3.8	5	5
9	5	5	5	5.2	5.4
10	5	5	5.2	5.4	5.4
11	5.2	5.2	5	4.8	4.8
12	4.4	4.8	4.8	2.2	2.4
13	2.6	2.2	1.8	5	5
14	5	5	5.4	6	6
15	4.4	5.4	6	5	5
16	3.8	3.8	3.2	5.8	5
17	5	4.8	5.2	3.2	3
18	3.8	3.8	3.8	4.4	4.4
19	5.2	6	4.6	4.8	4.8

20	4	4	4.4	5	5
21	4.6	4.6	4.4	5.8	5.8
22	5	5	5	5.8	5.8
23	5	5	5	4.4	4.4
24	5	5.2	5.8	5	5
25	5.2	5.2	4.4	6	5.4
26	5.2	5.2	4.4	5	5
27	4.4	5	5	5.4	5.4
28	4.6	5	5.4	5	5
29	6	6	5	5.4	5.4
30	4	4	5	5	5
Average	4.65	4.83	4.79	5.04	4.99

Date: 28-10-2019

Sl No of Trainees	Dr. Moinus Salam International. Consultant, Cymmyt, Bangladesh		Dr. Abu Sayed, Professor BIRDEM		Jannatul Sahin, UFO, Gazipur Sadar	Dr. Md. Ramizuddin Miah Professor, Dept. of Entomology, BSMRAU
	Rice development strategies towards food security in Bangladesh, Vision 2050	Threat of climate change & disaster in food security; adaptable technologies to face the challenges of climate change in Bangladesh	Food security and Nutritional situation in Bangladesh;	Potential risk of Public health due to malnutrition	Fisheries production: its availability in food security & nutrition and mechanism to promote Fish production in Bangladesh	Ensuring Food safety through food chain: Heavy metal contamination; Use of chemicals, Hormones in Fruits & vegetables and its residual effect
1	4	5	5.2	5.4	5	5.2
2	4	5	5.2	5	5	5.2
3	4	5	5.2	5.2	5	5.2
4	4.2	6	6	6	6	6
5	4.4	5	5	5.2	5.2	5
6	5	4	5.8	5	5	5
7	4	4	3.8	4.8	4.8	4.8
8	4.6	4	3.8	5	5	5
9	5	5	5	5.2	5.2	5.4
10	5	5	5.2	5.4	5.4	5.4
11	5.2	5.2	5	4.8	4.8	4.8
12	4.4	4	4.8	2.2	2.2	2.4
13	2	2	1.8	5	5	5
14	5	5	5.4	6	6	6
15	4.4	5.4	6	5	5	5
16	3.8	3.8	3	5	5	5
17	5	4.8	5	3.2	3.2	3.4
18	3	3.8	3	4	4	4.4

19	5.2	6	4.2	4	4.8	4.8
20	4	4	4.2	5	5	5
21	4.6	4.6	4.4	5	5.8	5
22	5	5	5.2	5	5.8	5.4
23	5	5	5	4	4.4	4.8
24	5	5.2	5	5	5	5
25	5	5.2	4.4	6	6	5
26	5.2	5.2	4	5	5	5
27	4	5	5	5	5.4	5.4
28	4	5	5.4	5	5	5
29	6	6	5	5.4	5.4	5
30	4	4	5	5	5	5
Ave	4.46	4.74	4.97	4.07	4.66	5.04

Date: 29-10-2019

Sl No of Trainees	DR. Md. Lutfor Rahman, UL O, Gazipur	Munsi Mohammad Hedayetullah, Ex-DG, NATA			Dr. Md. Aatur Rahman, PSO (Research Division), BARI, Gazipur	Dr. M A Mazed, DD, Khamarbari, Dhaka
	Livestock production: its availability in food security & nutrition safety for growing population of Bangladesh	SDG strategies for Sustainable development of Bangladesh	Threat to Food security and Strategies for improving food security; Mechanism to promote Food Security in Bangladesh	Sustainable Agriculture development in assurance of food security: achievement, challenges, opportunities	Strategies of sustainable production of wheat, maize & minor cereal crops for maintaining food security in Bangladesh	Deficiency symptoms, BMI and Sources of micronutrient in Human Body
1	4	5.4	5.2	5.2	5	5.2
2	4.8	5.6	5.2	5.2	5	5.2
3	4	5.2	5.2	5.2	5	5.2
4	4.2	6	6	6	6	6
5	4.4	5	5.2	5	5	5
6	5.6	5.8	5	5	4	5
7	4	3.8	4.8	4.8	4	4.8
8	4.6	3.8	5	5	4	5
9	5	5	5.2	5.6	5	5.4
10	5	5.2	5.4	5.4	5	5.4
11	5.2	5	4.8	5	5.2	4.8
12	4.4	4.8	2.2	4.4	4	2.4
13	2.6	1.8	5	5	2	5
14	5	5.4	6	6	5	6
15	4.4	6	5	5	5.4	5
16	3.8	3.2	5	5	3.8	5
17	5	5.2	3.2	3	4.8	3
18	3.8	3.8	4.4	5	3.8	4.4
19	5.2	4.6	4	5	6	4.8

20	4	4.4	5	5	4	5
21	4.6	4.4	5.8	5.8	4.6	5.8
22	5	5	5.8	5.8	5	5.8
23	5	5	4.4	5	5	4.4
24	5	5.8	5	5	5.2	5
25	5.2	4.4	6	5.4	5.2	5.4
26	5.2	4.4	5.2	5	5.2	5
27	4.4	5	5.4	5	5	5.4
28	4.6	5.4	5	5	5	5
29	6	5	5.4	5.4	6	5.4
30	4	5	5	5	4	5
Average	5.03	4.85	4.89	5.01	4.74	4.99

Date: 30-10-19

Sl No of Trainees	Dr. Sahidur Rashid Bhyuian, Prof. G&PB and Ex. Pro-Vice Chancellor, SAU,	Dr. Md. Monirul Islam, Director Nutrition, BARC, Dhaka	Md. Hafiz Uddin, PSO, BARI, Gazipur	Dr. Md. Delwar Hossain, Ex-DD, NATA		
	Genetically Modified (GM) Crops, Its impact on food security & Human health	Gender & Food Security: Women's role in Food Hygiene and Nutritional safety in household	Food Consumption, Balanced diet & Nutritional demand; Food adulteration and its effect on public Health	National Food safety Act, 2013 and Food safety authority, 2015 and its institutional framework for food control system in Bangladesh	Post-harvest handling, Food Processing and Preservation and its importance for food security	Food Hygiene & Food habit change for ensuring Good health and Long life
1	6	4.4	5	5.4	5	5.2
2	5	3.8	6	5.4	5.4	5.2
3	5	5	5	4.8	4.8	5.2
4	3.4	3.8	5.8	6	5	6
5	4.4	5.2	5.2	5	4.4	5
6	4.8	4	5	5	5.6	5
7	5	4.6	4.8	4.8	4	4.8
8	5	5	5	5	4.6	5
9	5.4	5	5.2	5.2	5	5.6
10	4.8	5	5.4	5.2	5	5.4
11	5	5.2	4.8	5.2	5.2	5
12	5	5.2	2.2	2.4	4.4	4.4
13	5	4.4	5	5	2.6	5
14	5.4	4.6	6	6	5	6
15	5	6	5	5	4.4	5
16	5	4	5.8	5	3.8	5
17	5	4.8	3.2	3	5	3
18	5.2	4.8	4.4	4.4	3.8	5
19	5.2	4.8	4.8	4.8	5.2	5

20	5.2	4.2	5	5	4	5
21	6	4.4	5.8	5.8	4.6	5.8
22	5	5.6	5.8	5.8	5	5.8
23	5	4	4.4	4.4	5	5
24	4.8	4.6	5	5	5	5
25	5	5	6	5.4	5.2	5.4
26	5.4	5	5	5	5.2	5
27	5.4	5.2	5.4	5.4	4.4	5
28	4.8	4.4	5	5	4.6	5
29	2.4	2.6	5.4	5.4	6	5.4
30	5	5	5	5	4	5
Average	5.04	5.09	4.97	4.94	5.13	5.01

Date:31-10-19

Sl No of Trainees	A.K.M. Nurul Afsar, National Team Leader, IFS-B for Safe Food Project &EX-Dg (Food,		Dr. Mianuddin, CSO, Post-harvest Division, BARI. Gazipur	Dr. M A Mazed, DD, Khamarbari, Dhaka	
	Food safety Act-2013	Food Safety Authority 2015 for ensuring Safe Food and Food security	Fisheries production: its availability in food security & nutrition and mechanism to promote Fish production in Bangladesh	Food Hygiene & Food habit change for ensuring Good health and Long life	Perspective Plan of action &Issues of Access to Food in Developing countries like Bangladesh (Group work & Presentation)
1	5	5	5.2	5	6
2	5	5	5.2	5	5
3	5	5	5.2	5	5
4	6	6	6	6	3.4
5	5	5	5.2	5	4.4
6	4	4	5	4	4.8
7	4	4	4.8	4	5
8	4	4	5	4	5
9	5	5	5.2	5	5.4
10	5	5	5.4	5	4.8
11	5.2	5.2	4.8	5.2	5
12	4	4	2.2	4	5
13	2	2	5	2	5
14	5	5	6	5	5.4
15	5.4	5.4	5	5.4	5
16	3.8	3.8	5.8	3.8	5
17	4.8	4.8	3.2	4.8	5
18	3.8	3.8	4.4	3.8	5.2
19	6	6	4.8	6	5.2
20	4	4	5	4	5.2
21	4.6	4.6	5.8	4.6	6
22	5	5	5.8	5	5
23	5	5	4.4	5	5

24	5.2	5.2	5	5.2	4.8
25	5.2	5.2	6	5.2	5
26	5.2	5.2	5	5.2	5.4
27	5	5	5.4	5	5.4
28	5	5	5	5	4.8
29	6	6	5.4	6	2.4
30	4	4	5	4	5
Average	4.74	4.74	4.98	4.74	5.04