

Training **on** **“Food Security”**

Course Completion Report



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

**Training Course
On**

“Food Security”

03-07 March, 2019

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on
“Food Security”

03-07 March 2018

Course Management

- Course Advisor : Dr. Md. A. Salam
Director General (In charge)
NATA, Gazipur
- Course Director : Dr. Md. Abu Sayeed Miah
Director (Training)
- Course Coordinator : Dr. Md. Delwar Hossain,
DD (Ag. Extension & Rural Eco.), NATA
- Asst. Course Coordinator : 1. Md. Anwarul Islam Juwel
Senior Assistant Director (Ag.
Extension & Rural Eco.), NATA,
Gazipur
- : 2. Naima Sultana
Senior Assistant Director (Ag.
Extension & Rural Eco.), 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: 03-07 March

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 (03 – 07 March, 2019) Batch: 02

List of Participants

SL.	Name	Designation	Mobile and Email
1.	MD. AL MAMUN	Additional Deputy Director (PP), Department of Agricultural Extension, Rangamati	01553257110 Almamun1943@yahoo.com
2.	MD. SHAMSUL ALAM CHOWDHURY	Upazila Agriculture Officer, Upazila Agriculture Office, Kaptai, Rangamati	01716121023 uao.kaptai@dae.gov.bd
3.	AFTAB UDDIN MAHMUD	Upazila Agriculture Officer, Upazila Agriculture Office, Alfadanga, Faridpur	01732661500 uaoalfadanga@dae.gov.bd
4.	MUHAMMAD RIAZUDDIN	Upazila Agriculture Officer, Upazila Agriculture Office, Bhola Sadar	01749272010 riazplp@gmail.com
5.	MD. ENAMUL HAQUE	Agriculture Extension Officer, Upazila Agriculture Office, Bishwambharpur, Sunamganj	01719230295 Enam.824@gmail.com
6.	MST. MISHU AKTHER	Agriculture Extension Officer, Upazila Agriculture Office, Joypurhat Sadar, Joypurhat	01742489912 aeo2ioypurhatsadar@dae.gov.bd
7.	MD. BILLAL HOSSAIN	Agriculture Extension Officer, Upazila Agriculture Office, Kulaura, Moulvibazar	01722433129 billal0802204@gmail.com
8.	MD. JOHNY KHAN	Agriculture Extension Officer, Upazila Agriculture Office, Kamarkhand, Sirajganj	01721219767 Aeo1kamarkhand@dae.gov.bd
9.	MD. RUBEL HUSAN	Agriculture Extension Officer, Upazila Agriculture Office, Panchagarh Sadar, Panchagarh	01717506880 Hasnrubel@gmail.com
10.	MD. NAZMUL HUDA	Seed Certification Officer, District Seed Certification Office, Seed Certification Agency, Chuadanga	01739812985 nazmulsau68@gmail.com
11.	MD. AL MAMUN	Seed Certification Officer, District Seed Certification	01730720626 md.saber.ag@gmail.com

SL.	Name	Designation	Mobile and Email
		Office, Seed Certification Agency, Chapainawabganj	
12.	MD. SHAMSUL ALAM CHOWDHURY	Assistant Engineer, BMDA, Head Office, Rajshahi	01715650111 n.huda650@gmail.com
13.	AFTAB UDDIN MAHMUD	Cotton Development Officer, Cotton Development Board, Jashore Zone, Jashore	01711050714 jewel.bauenvsc@gmail.com
14.	MUHAMMAD RIAZUDDIN	Scientific officer, BSRI sub-station, Barishal	01926184003 shawonag8th@gmail.com
15.	MD. ENAMUL HAQUE	Principal Scientific Officer, Plant Pathology Division, BINA, Mymensingh	01717101874 kashembina@gmail.com
16.	MST. MISHU AKTHER	Scientific Officer, Soil Resource Development Institute, Central Laboratory, Dhaka	01716857080 sazzad01@gmail.com
17.	MD. BILLAL HOSSAIN	Scientific Officer, Soil Resource Development Institute, Regional Laboratory, Jhenaidah	01735606707 sharminrahmansrdi@gmail.com
18.	MD. JOHNY KHAN	Instructor, Agricultural Training Institute, Shimultali, Gazipur	01789346028 Mahmuda051628@gmail.com
19.	MD. RUBEL HUSAN	Principal, Diploma Institute, BIRTAN, Head Office	01552391229 mabduhu87@gmail.com
20.	MD. NAZMUL HUDA	Agriculture Extension Officer, Upazila Agriculture Office, Pirojpur Sadar	01727983627 rcbripon@gmail.com
21.	MD. SABER ALAM	Scientific Officer, Pulses Research Center, BARI, Ishurdi Pabna	01515297514 mdmuminbari@gmail.com
22.	MD. NAZMUL HUDA	Senior Scientific Officer, Plant Pathology Division, BARI, Gazipur	01912927152 kejahan@yahoo.com
23.	S. M. JAKIR BIN ALAM	Scientific Officer, Olericulture Division, HRC, BARI, Gazipur	01782167568 razzab321@gmail.com
24.	MD. NIAZ MORSHED	Scientific Officer, BJRI, Manikganj	01752800451 oni.abida@gmail.com
25.	DR. MD. ABUL KASHEM	Senior Scientific Officer, BRRI, Gazipur	01731360617 arminbhuiya@gmail.com

SL.	Name	Designation	Mobile and Email
26.	MOHAMMAD SAZZAD HOSSAIN	Senior Scientific Officer, BRRI, Gazipur	01712405149 satyen1981@gmail.com
27.	SHARMIN RAHMAN	Assistant Director, Deputy Director (CG) Office, BADC, Tangail	01722552532 shamimbau163@gmail.com
28.	MAHMUDA KHATUN	Assistant Scientific Officer, BIRTAN Regional Center, Netrakona	01744351019 saddam.bsag@gmail.com
29.	DR. MOHAMMAD ABDUHU	Agriculture Extension Officer, Upazila Agriculture Office, Gazipur Sadar	01571796680 tanzilarahman68@gmail.com
30.	RIPON CHANDRA BHADRA	Agriculture Extension Officer, Upazila Agriculture Office, Hakimpur, Dinajpur	01722996881 Hannan.agri14@gmail.com

(Annexure 2)

Pre and Post Evaluation of the Trainees

Duration: 5 days, Dated: 03-07 March Full Marks: 50 Time: 30 Minute

SL.	Name	Designation	Obtained Marks	
			Pre evaluation	Post evaluation
1	MD. AL MAMUN	Additional Deputy Director (PP), Department of Agricultural Extension, Rangamati	05	33
2	MD. SHAMSUL ALAM CHOWDHURY	Upazila Agriculture Officer, Upazila Agriculture Office, Kaptai, Rangamati	09	36
3	AFTAB UDDIN MAHMUD	Upazila Agriculture Officer, Upazila Agriculture Office, Alfadanga, Faridpur	07	40
4	MUHAMMAD RIAZUDDIN	Upazila Agriculture Officer, Upazila Agriculture Office, Bholu Sadar	07	32
5	MD. ENAMUL HAQUE	Agriculture Extension Officer, Upazila Agriculture Office, Bishwambharpur, Sunamganj	08	38
6	MST. MISHU AKTHER	Agriculture Extension Officer, Upazila Agriculture Office, Joypurhat Sadar, Joypurhat	10	27

SL.	Name	Designation	Obtained Marks	
			Pre evaluation	Post evaluation
7	MD. BILLAL HOSSAIN	Agriculture Extension Officer, Upazila Agriculture Office, Kulaura, Moulvibazar	08	37
8	MD. JOHNY KHAN	Agriculture Extension Officer, Upazila Agriculture Office, Kamarkhand, Sirajganj	06	43
9	MD. RUBEL HUSAN	Agriculture Extension Officer, Upazila Agriculture Office, Panchagarh Sadar, Panchagarh	06	25
10	MD. NAZMUL HUDA	Seed Certification Officer, District Seed Certification Office, Seed Certification Agency, Chuadanga	06	32
11	MD. SABER ALAM	Seed Certification Officer, District Seed Certification Office, Seed Certification Agency, Chapainawabganj	09	34
12	MD. NAZMUL HUDA	Assistant Engineer, BMDA, Head Office, Rajshahi	03	32
13	S. M. JAKIR BIN ALAM	Cotton Development Officer, Cotton Development Board, Jashore Zone, Jashore	09	22
14	MD. NIAZ MORSHED	Scientific officer, BSRI sub-station, Barishal	10	34
15	DR. MD. ABUL KASHEM	Principal Scientific Officer, Plant Pathology Division, BINA, Mymensingh	06	34
16	MOHAMMAD SAZZAD HOSSAIN	Scientific Officer, Soil Resource Development Institute, Central Laboratory, Dhaka	07	26
17	SHARMIN RAHMAN	Scientific Officer, Soil Resource Development Institute, Regional Laboratory, Jhenaidah	10	32
18	MAHMUDA KHATUN	Instructor, Agricultural Training Institute, Shimultali, Gazipur	08	36
19	DR. MOHAMMAD ABDUHU	Principal, Diploma Institute, BIRTAN, Head Office	09	27
20	RIPON CHANDRA BHADRA	Agriculture Extension Officer, Upazila Agriculture Office, Pirojpur Sadar	9	33
21	MD. ABDULLAH AL MUMIN	Scientific Officer, Pulses Research Center, BARI, Ishurdi Pabna	6	40

SL.	Name	Designation	Obtained Marks	
			Pre evaluation	Post evaluation
22	DR. KAWSER-E-JAHAN	Senior Scientific Officer, Plant Pathology Division, BARI, Gazipur	11	25
23	MD. RAZZAB ALI	Scientific Officer, Olericulture Division, HRC, BARI, Gazipur	02	31
24	ABIDA SULTANA	Scientific Officer, BJRI, Manikganj	06	30
25	DR. ARMIN BHUIYA	Senior Scientific Officer, BRRI, Gazipur	13	43
26	DR. SATYEN MONDAL	Senior Scientific Officer, BRRI, Gazipur	09	30
27	SAYEED AHMED	Assistant Director, Deputy Director (CG) Office, BADC, Tangail	05	43
28	SADDAM HOSAIN	Assistant Scientific Officer, BIRTAN Regional Center, Netrakona	10	40
29	TANZILA RAHMAN	Agriculture Extension Officer, Upazila Agriculture Office, Gazipur Sadar	12	44
30	MD. ABDUL HANNAN	Agriculture Extension Officer, Upazila Agriculture Office, Hakimpur, Dinajpur	09	32

(Annexure 3)

SPEAKER LIST

SL. NO	NAME	DESIGNATION	MOBILE NO	EMAIL
01	Dr. Abu Sayed	Professor, BIRDEM	01819-409480	Sayed1950@gmail.com
02	Md. Hamidur Rahman	Ex DG, DAE, Dhaka	01711-803695	
03	A.K.M. Nurul Afsar	National Team Leader, IFF-B for Safe Food Project	01760-660422	akm.afsar@fao.org
04	Dr. Golam Rabbani	ULO, DLS		
05	Dr. Md. Monirul Islam	Director Nutrition, BARC, Dhaka	01777-686866	
06	Dr. Md. Lutfur Rahman	Director (Research.), BARI, Gazipur	01716063808	
07	Md. Hafiz Uddin, PSO, BARI, Gazipur	PSO, BARI, Gazipur Post Harvest Division	01715-063263	
08	Dr. Sahidur Rashid Bhuiyan	Prof. G&PB, Ex. Pro-vice Chancellor, SAU	01552-447945	
09	Dr. Moinus Salam	International Consultant	01855-871938	

		Cymmyt, Bangladesh		
10	Dr. Prof. Md. Mizanul Hoque Kazal	Dean Faculty of Agri Business Management, SAU, Dhaka		
11	Dr. Dr. Md. Delwar Hossain,	DD (Ag. Extension& Rural Eco.), NATA		
12	Dr. Md. Aatur Rahman	PSO (Research Division), BARI, Gazipur	01715421401	ataur67@yahoo.com
13	Dr. M A Mazed,	DD, Khamarbari, Dhaka		
14	Dr. Babul Chandra Sarker	PSO, Horticulture centre, BARI, Gazipur	01716-009319	
15	Jannatul Ferdous	UFO, Gazipur Sadar	01741203239	
16	Dr. Debasis Roy	CSO & Head (Entomology Depart), BARI, Gazipur	01712-274933	

(Annexure 4)

Daily Training Schedule

Working Day-01

Day- Sunday

Date: 03-03-2019

Time	Topics	Speaker/ Facilitator
09.00-9.30	Registration	Laki, SAAO and Md. Anwarul Islam Jewel, Sr.AD, NATA
9.30-10.00	Inaugural	DG/ Director Training / Director Admin & 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. Prof. Md. Mizanul Hoque Kazal, Dean Faculty of Agri Business Management, SAU, Dhaka
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. Prof. Md. Mizanul Hoque Kazal, Dean Faculty of Agri Business Management, SAU, Dhaka
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
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, DD (Ag. Extension & Rural Eco.), NATA
3.30-4.30	World Hunger and Food security: Challenges & Opportunities	Dr. Md. Delwar Hossain, DD (Ag. Extension & Rural Eco.), NATA

Working Day-02

Day-Monday

Date: 04-03-2019

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
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
11.15-11.30	Tea Break	
11.30-12.30	Food security and Nutritional situation in Bangladesh;	Dr. Abu Sayed, Professor BIRDEM
12.30-1.30	Potential risk of Public health due to malnutrition	Dr. Abu Sayed, Professor BIRDEM
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. Aaur Rahman, PSO (Research Division), BARI, Gazipur
3.30-4.30	SDG strategies for Sustainable development of Bangladesh	Dr. Md. Delwar Hossain, DD (Ag. Extension & Rural Eco.), NATA

Working Day-03

Day-Tuesday

Date: 05-03-2019

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. Golam Rabbani ULO,DLS
10.15-11.15	Mushroom Development: Nutrition & Food Security	Dr. Nirod Chandra Sarker, DD Mushroom development Centre, Saver,

		Dhaka
11.15-11.30	Tea break	
11.30-12.30	Ensuring Food safety through food chain: Heavy metal contamination; Use of chemicals, Hormones in Fruits & vegetables and its residual effect	Dr. Debasis Roy, CSO & Head (Entomology Department), BARI, Gazipur
12.30-1.30	Deficiency symptoms, BMI and Sources of micronutrient in Human Body	Dr. M A Mazed, DD, Khamarbari, Dhaka
1.30-2.30	Prayer & lunch Break	
2.30-3.30	Post-harvest handling, Food Processing and Preservation and its importance for food security	Dr. Miaruddin, CSO, Post-harvest Division, BARI, Gazipur
3.30-4.30	Lab Visit, Post-harvest Division, BARI, Gazipur	Md. Hafiz Uddin, PSO, BARI, Gazipur

Working Day-04

Day-Wednesday

Date: 06-03-2019

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 Bhyuiyan, Prof. G&PB and Ex. Pro-Vice Chancellor, SAU,
10.15-11.15	Gender & Food Security: Women's role in Food Hygiene and Nutritional safety in household	Dr. Sahidur Rashid Bhuiyan, Prof. G&PB, Ex. Pro-vice Chancellor, SAU
11.15-11.30	Tea break	
11.30-12.30	Food Consumption, Balanced diet & Nutritional demand; Food adulteration and its effect on public Health	Dr. Md. Monirul Islam, Director Nutrition, BARC, Dhaka
12.30-1.30	National Food safety Act, 2013 and Food safety authority, 2015 and its institutional framework for food control system in Bangladesh	Dr. Md. Monirul Islam, Director Nutrition, BARC, Dhaka
1.30-2.30	Prayer & lunch Break	
2.30-3.30	Threat to Food security and Strategies for improving food security; Mechanism to promote Food Security in Bangladesh	Md. Hamidur Rahman; Ex DG, DAE, Dhaka
3.30-4.30	Sustainable Agriculture development in assurance of food security: achievement, challenges, opportunities	Md. Hamidur Rahman, Ex DG, DAE, Dhaka

Working Day-05**Day- Thursday****Date: 07-03-2019**

Time	Topics	Speaker/ Facilitator
9.05-9.15	Review of the previous day	Naima Sultana, Sr.AD, NATA
9.15-10.15	Food safety Act- 2013	A.K.M. Nurul Afsar, National Team Leader, IFS-B for Safe Food Project &EX-Dg (Food)
10.15-11.15	Food Safety Authority 2015 for ensuring Safe Food and Food security	A.K.M. Nurul Afsar, National Team Leader, IFS-B for Safe Food Project, EX-Dg (Food)
11.15-11.30	Tea break	
11.30-12.30	Fisheries production: its availability in food security & nutrition and mechanism to promote Fish production in Bangladesh	Jannatul Ferdous, UFO, Gazipur Sadar
12.30-1.30	Food Hygiene & Food habit change for ensuring Good health and Long life	Dr. M A Mazed, DD, Khamarbari, Dhaka
1.30-2.30	Perspective Plan of action &Issues of Access to Food in Developing countries like Bangladesh (Group work & Presentation)	Dr. M A Mazed, DD, Khamarbari, Dhaka
2.30-3.00	Prayer & lunch Break	
3.00-3.30	Post Evaluation	Md. Anwarul Islam Jewel, & Naima Sultana, Sr.AD, NATA
3.30-4.30	Closing Ceremony	DG, Director, Course Coordinator/ Assistant Course coordinator & Faculty members

NB. This schedule is subjected to change

Speaker Evaluation by the Trainees

Date: 03-03-2019

Sl No of Trainees	Dr. Prof. Md. Mizanul Hoque Kazal, Dean Faculty of Agri Business Management, SAU, Dhaka	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	5.09	4.83	4.94	4.87	4.99

Date: 04-03-2019

Sl No of Trainees	Dr. Moinus Salam International. Consultant, Cymmyt, Bangladesh		Dr. Abu Sayed, Professor BIRDEM		Dr. Md. Ataur Rahman, PSO (Research Division), BARI, Gazipur	Dr. Md. Delwar Hossain, DD (Ag. Extension& Rural Eco.), NATA
	Rice developmen t 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 Nutrition al situation in Banglade sh;	Potential risk of Public health due to malnutrit ion	Strategies of sustainable production of wheat, maize & minor cereal crops for maintaining food security in Bangladesh	SDG strategies for Sustainable development of Bangladesh
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
Average	4.46	4.74	4.97	4.07	4.66	5.04

Date: 05-03-2019

Sl No of Trainees	Dr. Golam Rabbani ULO,DLS	Dr. Nirod Chandra Sarker	Dr. Debasis Roy, CSO & Head (Entomology Department), BARI, Gazipur	Dr. M A Mazed, DD, Khamarbari, Dhaka	Dr. Mianuddin, CSO, Post-harvest Division, BARI. Gazipur
	Livestock production: its availability in food security & nutrition safety for growing population of Bangladesh	Mushroom Development: Nutrition & Food Security	Ensuring Food safety through food chain: Heavy metal contamination; Use of chemicals, Hormones in Fruits & vegetables and its residual effect	Deficiency symptoms, BMI and Sources of micronutrient in Human Body	Post-harvest handling, Food Processing and Preservation and its importance for food security
1	4	5.4	5.2	5.2	5
2	4.8	5.6	5.2	5.2	5
3	4	5.2	5.2	5.2	5
4	4.2	6	6	6	6
5	4.4	5	5.2	5	5
6	5.6	5.8	5	5	4
7	4	3.8	4.8	4.8	4
8	4.6	3.8	5	5	4
9	5	5	5.2	5.6	5
10	5	5.2	5.4	5.4	5
11	5.2	5	4.8	5	5.2
12	4.4	4.8	2.2	4.4	4
13	2.6	1.8	5	5	2
14	5	5.4	6	6	5
15	4.4	6	5	5	5.4
16	3.8	3.2	5	5	3.8
17	5	5.2	3.2	3	4.8
18	3.8	3.8	4.4	5	3.8
19	5.2	4.6	4	5	6
20	4	4.4	5	5	4
21	4.6	4.4	5.8	5.8	4.6
22	5	5	5.8	5.8	5
23	5	5	4.4	5	5
24	5	5.8	5	5	5.2
25	5.2	4.4	6	5.4	5.2
26	5.2	4.4	5.2	5	5.2
27	4.4	5	5.4	5	5
28	4.6	5.4	5	5	5
29	6	5	5.4	5.4	6
30	4	5	5	5	4
Average	5.03	4.85	4.89	5.01	4.74

Date: 06-03-19

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. Hamidur Rahman; Ex DG, DAE, Dhaka	Md. Hamidur Rahman; Ex DG, DAE, Dhaka		
	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	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
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: 07-03-19

SI 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