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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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 decleration-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.



National Agriculture Training Academy (NATA) Gazipur-1701

Training on "Food Security"

Duration: 05 Days (03 – 07 March, 2019) Batch: 02

List of Participants

1. MD. AL MAMUN (PP), Department of Agricultural Extension, Rangamati 2. MD. SHAMSUL ALAM (Ppazila Agriculture Officer, Upazila Agriculture Officer, Upazila Agriculture Officer, Upazila Agriculture Officer, Alfadanga, Faridpur (Upazila Agriculture Officer, Alfadanga, Faridpur (Upazila Agriculture Officer, Upazila Agriculture Officer, Alfadanga, Faridpur (Upazila Agriculture Officer, Upazila Agriculture Officer, Upazila Agriculture Officer, Bhola Sadar (Upazila Agriculture Officer, Upazila Agriculture Of	SL.	Name	Designation	Mobile and Email
Agriculture Extension Officer, Upazila Agriculture Officer, Upazila Agricu	1.		Additional Deputy Director	
2. MD. SHAMSUL ALAM (Dyazila Agriculture Officer, Upazila Agriculture Office, Bhola Sadar 5. MD. ENAMUL HAQUE Upazila Agriculture Officer, Upazila Agriculture Office, Bishwambharpur, Sunamganj 6. MST. MISHU Agriculture Extension Officer, Upazila Agriculture Officer, Kulaura, Moulvibazar 8. MD. JOHNY Agriculture Extension Officer, Upazila Agriculture Officer, Kamarkhand, Sirajganj 9. MD. RUBEL Agriculture Extension Officer, Upazila Agriculture Off		MAMUN		01553257110
2. MD. SHAMSUL ALAM CHOWDHURY District Seed Certification Officer, Upazila Agriculture Extension Officer, Upazila Agriculture Office				Almamun1943@yahoo.com
ALAM CHOWDHURY Apriculture Office, Kaptai, Rangamati Upazila Agriculture Officer, Upazila Agriculture			0	
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3. AFTAB UDDIN MAHMUD Upazila Agriculture Officer, Upazila Agriculture Officer, Alfadanga, Faridpur 4. MUHAMMAD RIAZUDDIN Upazila Agriculture Officer, Upazila Officer, Upazi				
MAHMUD Upazila Agriculture Office, Alfadanga, Faridpur 4. MUHAMMAD RIAZUDDIN Upazila Agriculture Officer, Upazila Agriculture Officer, Bhola Sadar 5. MD. ENAMUL HAQUE Upazila Agriculture Officer, Upazila Agriculture Officer, Upazila Agriculture Office, Bishwambharpur, Sunamganj 6. MST. MISHU AGriculture Extension Officer, Upazila Agriculture Office, Bishwambharpur, Sunamganj 7. MD. BILLAL HOSSAIN Agriculture Extension Officer, Upazila Agriculture Office, Kulaura, Moulvibazar 8. MD. JOHNY KHAN Agriculture Extension Officer, Upazila Agriculture Office, Kamarkhand, Sirajganj 9. MD. RUBEL Agriculture Extension Officer, Upazila Agriculture Office, Kamarkhand, Sirajganj 10. MD. NAZMUL HUDA District Seed Certification Officer, Office, Seed Certification Office, Seed Certification Agency, Chuadanga 11. MD. AL Seed Certification Officer, O1730720626		CHOWDHURY	Kaptai, Rangamati	uao.kaptar@uac.gov.bu
4. MUHAMMAD RIAZUDDIN RIAZUDDIN PRIAZUDDIN RIAZUDDIN MD. ENAMUL HAQUE MST. MISHU AKTHER MD. BILLAL HOSSAIN MD. BILLAL HOSSAIN MD. JOHNY KHAN MD. JOHNY KHAN MD. Agriculture Extension Officer, Upazila Agriculture Office, Kamarkhand, Sirajganj MD. RUBEL HUSAN MD. RUBEL HUSAN MD. RUBEL HUSAN MD. NAZMUL HUDA MD. NAZMUL HUDA MD. NAZMUL HUDA MUHAMMAD Upazila Agriculture Officer, Upazila Agriculture Officer, Upazila Agriculture Officer, Kaenchagarh District Seed Certification Agency, Chuadanga Upazila Agriculture Officer, Upazila Agency, Chuadanga Upazila Agriculture Officer, Upaz	3.		Upazila Agriculture Officer,	01732661500
4. MUHAMMAD RIAZUDDIN Upazila Agriculture Officer, Upazila Agriculture Officer, Bhola Sadar 5. MD. ENAMUL HAQUE Upazila Agriculture Officer, Upazila Agriculture Officer, Upazila Agriculture Officer, Bishwambharpur, Sunamganj 6. MST. MISHU Agriculture Extension Officer, Upazila Agriculture Officer, Kulaura, Moulvibazar 8. MD. JOHNY Agriculture Extension Officer, Upazila Agriculture Officer, District Seed Certification Officer, District Seed Certification Officer, Officer, Officer, Seed Certification Officer, Offi		MAHMUD	Upazila Agriculture Office,	
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5. MD. ENAMUL HAQUE Upazila Agriculture Extension Officer, Upazila Agriculture Office, Bishwambharpur, Sunamganj 6. MST. MISHU AKTHER Upazila Agriculture Extension Officer, Upazila Agriculture Office, Joypurhat Sadar, Joypurhat 7. MD. BILLAL HOSSAIN Upazila Agriculture Office, Kulaura, Moulvibazar 8. MD. JOHNY KHAN Upazila Agriculture Office, Kamarkhand, Sirajganj 9. MD. RUBEL HUSAN Agriculture Extension Officer, Upazila Agriculture Office, Panchagarh Sadar, Panchagarh 10. MD. NAZMUL HUDA District Seed Certification Officer, District Seed Certification Officer, Office, Seed Certification Agency, Chuadanga 11. MD. AL Seed Certification Officer, O1730720626	4.			01749272010
5. MD. ENAMUL HAQUE Upazila Agriculture Extension Officer, Upazila Agriculture Office, Bishwambharpur, Sunamganj 6. MST. MISHU AKTHER Upazila Agriculture Officer, Kulaura, Moulvibazar 8. MD. JOHNY KHAN Agriculture Extension Officer, Upazila Agriculture Office, Kulaura, Moulvibazar 9. MD. RUBEL Agriculture Extension Officer, Upazila Agriculture Officer, Kamarkhand, Sirajganj 9. MD. RUBEL Agriculture Extension Officer, Upazila Agriculture Officer, U		RIAZUDDIN	1	
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6. MST. MISHU AKTHER Agriculture Extension Officer, Upazila Agriculture Office, Joypurhat Sadar, Joypurhat 7. MD. BILLAL HOSSAIN MD. JOHNY KHAN MD. RUBEL HUSAN MD. RUBEL HUSAN MD. NAZMUL HUSAN MD. NAZMUL Office, Panchagarh Sadar, Panchagarh HUDA MD. NAZMUL HUDA MD. NAZMUL HUDA MD. NAZMUL Seed Certification Officer, District Seed Certification Agency, Chuadanga MD. AL MD. AL Seed Certification Officer, O1730720626 MST. MISHU Agriculture Extension Officer, Upazila Agriculture Officer, Baroulture Extension Officer, Upazila Agriculture Officer, Panchagarh Sadar, Panchagarh MD. NAZMUL Seed Certification Agency, Chuadanga MD. AL Seed Certification Officer, O1730720626		HAQUE	1 -	
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9. MD. RUBEL HUSAN Agriculture Extension Officer, Upazila Agriculture Office, Panchagarh Sadar, Panchagarh 10. MD. NAZMUL Seed Certification Officer, HUDA District Seed Certification Office, Seed Certification Agency, Chuadanga 11. MD. AL Seed Certification Officer, O1730720626 Aeo1kamarkhand@dae.gov.bd 01717506880 Hasnrubel@gmail.com 01739812985 nazmulsau68@gmail.com	0.		_	01721219767
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Agency, Chuadanga 11. MD. AL Seed Certification Officer, 01730720626				nazmulsau68@gmail.com
11. MD. AL Seed Certification Officer, 01730720626				
MAMUN District Seed Certification md.saber.ag@gmail.com	11.	MD. AL		01730720626
		MAMUN	District Seed Certification	md.saber.ag@gmail.com

SL.	Name	Designation	Mobile and Email
		Office, Seed Certification	
		Agency, Chapainawabganj	
12.	MD. SHAMSUL	Assistant Engineer, BMDA,	01715650111
	ALAM	Head Office, Rajshahi	n.huda650@gmail.com
	CHOWDHURY		miliada o e ginani.com
13.	AFTAB UDDIN	Cotton Development Officer,	01711050714
	MAHMUD	Cotton Development Board,	jewel.bauenvsc@gmail.com
		Jashore Zone, Jashore	
14.	MUHAMMAD	Scientific officer, BSRI sub-	01926184003
	RIAZUDDIN	station, Barishal	shawonag8th@gmail.com
15.	MD. ENAMUL	Principal Scientific Officer,	01717101874
	HAQUE	Plant Pathology Division,	kashembina@gmail.com
) (am) (vayyy)	BINA, Mymensingh	- C
16.	MST. MISHU AKTHER	Scientific Officer, Soil	0171 (057000
	AKTHEK	Resource Development	01716857080
		Institute, Central Laboratory,	sazzad01@gmail.com
4.5	100 000 11	Dhaka	
17.	MD. BILLAL HOSSAIN	Scientific Officer, Soil	01705 (0 6707
	HOSSAIN	Resource Development	01735606707
		Institute, Regional Laboratory, Jhenaidah	sharminrahmansrdi@gmail.com
18.	MD. JOHNY		
10.	KHAN	Instructor, Agricultural Training Institute, Shimultali,	01789346028
		Gazipur	Mahmuda051628@gmail.com
19.	MD. RUBEL	Principal, Diploma Institute,	01552391229
1).	HUSAN	BIRTAN, Head Office	mabduhu87@gmail,com
20.	MD. NAZMUL	Agriculture Extension Officer,	
20.	HUDA	Upazila Agriculture Office,	01727983627
		Pirojpur Sadar	rcbripon@gmail.com
21.	MD. SABER	Scientific Officer, Pulses	
	ALAM	Research Center, BARI, Ishurdi	01515297514
		Pabna	mdmuminbari@gmail.com
22.	MD. NAZMUL	Senior Scientific Officer, Plant	01912927152
	HUDA	Pathology Division, BARI,	kejahan@yahoo.com
		Gazipur	
23.	S. M. JAKIR BIN	Scientific Officer, Olericulture	01782167568
	ALAM	Division, HRC,BARI, Gazipur	razzab321@gmail.com
24.	MD. NIAZ	Scientific Officer, BJRI,	01752800451
	MORSHED	Manikganj	oni.abida@gmail.com
25.	DR. MD. ABUL	Senior Scientific Officer,	01731360617
	KASHEM	BRRI, Gazipur	arminbhuiya@gmail.com
		Zitti, Onlipui	a

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

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

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

(Annexure 3)

SPEAKER LIST

SL.	NAME	DESIGNATION	MOBILE	EMAIL
NO			NO	
01	Dr. Abu Sayed	Professor, BIRDEM	01819-409480	Sayeed1950@gmail.
				com
02	Md. Hamidur Rahman	Ex DG, DAE, Dhaka	01711-803695	
03	A.K.M. Nurul Afsar	National Team Leader, IFF-	01760-660422	akm.afsar@fao.org
		B for Safe Food Project		
04	Dr. Golam Rabbani	ULO, DLS		
05	Dr. Md. Monirul Islam	Director Nutrition, BARC,	01777-686866	
		Dhaka		
06	Dr. Md. Lutfur	Director (Research.), BARI,	01716063808	
	Rahman	Gazipur		
07	Md. Hafiz Uddin,	PSO, BARI. Gazipur Post	01715-063263	
	PSO, BARI. Gazipur	Harvest Division		
08	Dr. Sahidur Rashid	Prof. G&PB, Ex. Pro-vice	01552-447945	
	Bhuiyan	Chancellor, SAU		
09	Dr. Moinus Salam	International Consultant	01855-871938	

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

(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 Juwel, 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	Dr. Prof. Md. Mizanul Hoque
	Bangladesh; Policy and its institutional	Kazal, Dean Faculty of Agri
	framework	Business Management, SAU,
		Dhaka
11.15-11.30	Tea break	
11.30-12.30	National Food Security Policy (NFP)'2006	Dr. Prof. Md. Mizanul Hoque
	and its perspective plan of action to ensure	Kazal, Dean Faculty of Agri
	Food Security	Business Management, SAU,
		Dhaka
12.30-1.30	Modern Technologies of Fruits & Vegetable	Dr. Babul Chandra Sarker
	production: Ensuring nutritional security and	PSO, Horticulture center,
	uplifting poverty of rural livelihood	BARI, Gazipur
1.30-2.30	Prayer & Lunch Break	

2.30-3.30	Food security and its different concept; Food	Dr. Md. Delwar Hossain,
	security in context of Bangladesh & Global	DD (Ag. Extension& Rural
	perspective	Eco.), NATA
3.30-4.30	World Hunger and Food security: Challenges	Dr. Md. Delwar Hossain,
	& Opportunities	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	Dr. Moinus Salam	
	security in Bangladesh, Vision 2050	International. Consultant,	
		Cymmyt, Bangladesh	
10.15-	Threat of climate change & disaster in food	Dr. Moinus Salam	
11.15	security; adaptable technologies to face the	International. Consultant,	
	challenges of climate change in Bangladesh	Cymmyt, Bangladesh	
11.15-	Tea Break		
11.30			
11.30-	Food security and Nutritional situation in	Dr. Abu Sayed, Professor	
12.30	Bangladesh;	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,	Dr. Md. Ataur Rahman,	
	maize & minor cereal crops for maintaining food	PSO (Research Division),	
	security in Bangladesh	BARI, Gazipur	
3.30-4.30	SDG strategies for Sustainable development of	Dr. Md. Delwar Hossain,	
	Bangladesh	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	Dr. Golam Rabbani
	security & nutrition safety for growing	ULO,DLS
	population of Bangladesh	
10.15-	Mushroom Development: Nutrition & Food	Dr. Nirod Chandra Sarker,
11.15	Security	DD Mushroom
		development Centre, Saver,

		Dhaka
11.15-	Tea break	
11.30		
11.30-	Ensuring Food safety through food chain:	Dr. Debasis Roy, CSO &
12.30	Heavy metal contamination; Use of chemicals,	Head (Entomology
	Hormones in Fruits & vegetables and its	Department), BARI, Gazipur
	residual effect	
12.30-1.30	Deficiency symptoms, BMI and Sources of	Dr. M A Mazed, DD,
	micronutrient in Human Body	Khamarbari, Dhaka
1.30-2.30	Prayer & lunch Break	
2.30-3.30	Post-harvest handling, Food Processing and	Dr. Miaruddin, CSO, Post-
	Preservation and its importance for food	harvest Division, BARI.
	security	Gazipur
3.30-4.30	Lab Visit, Post-harvest Division, BARI.	Md. Hafiz Uddin, PSO,
	Gazipur	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	Dr. Sahidur Rashid Bhyuian,
	on food security & Human health	Prof. G&PB and Ex. Pro-
		Vice Chancellor, SAU,
10.15-11.15	Gender & Food Security: Women's role in	Dr. Sahidur Rashid Bhuiyan,
	Food Hygiene and Nutritional safety in	Prof. G&PB, Ex. Pro-vice
	household	Chancellor, SAU
11.15-11.30	Tea break	
11.30-12.30	Food Consumption, Balanced diet &	Dr. Md. Monirul Islam,
	Nutritional demand; Food adulteration and its	Director Nutrition, BARC,
	effect on public Health	Dhaka
12.30-1.30	National Food safety Act, 2013 and Food	Dr. Md. Monirul Islam,
	safety authority, 2015 and its institutional	Director Nutrition, BARC,
	framework for food control system in	Dhaka
	Bangladesh	
1.30-2.30	Prayer & lunch Break	
2.30-3.30	Threat to Food security and Strategies for	Md. Hamidur Rahman;
	improving food security; Mechanism to	Ex DG, DAE, Dhaka
2.20. 4.20	promote Food Security in Bangladesh	
3.30-4.30	Sustainable Agriculture development in	Md. Hamidur Rahman,
	assurance of food security: achievement,	Ex DG, DAE, Dhaka
	challenges, opportunities	

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	A.K.M. Nurul Afsar,	
	Food and Food security	National Team Leader,	
		IFS-B for Safe Food	
11 15 11 20	T11-	Project, EX-Dg (Food)	
11.15-11.30	Tea break		
11.30-12.30	Fisheries production: its availability in food	Jannatul Ferdous, UFO,	
	security & nutrition and mechanism to promote	Gazipur Sadar	
12 20 1 20	Fish production in Bangladesh	D. MAM. 1 DD	
12.30-1.30	Food Hygiene & Food habit change for ensuring	Dr. M A Mazed, DD,	
	Good health and Long life	Khamarbari, Dhaka	
1.30-2.30	Perspective Plan of action &Issues of Access to	Dr. M A Mazed, DD,	
	Food in Developing countries like Bangladesh	Khamarbari, Dhaka	
	(Group work & Presentation)		
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	

NB. This schedule is subjected to change

Speaker Evaluation by the Trainees

Date: 03-03-2019

Sl No of Trai nees	Dr. Prof. Md. Mizanul Hoque Kazal, Dean Faculty of Agri Business Management, SAU, Dhaka Historical National Food overview of Security Food security in (NFP)'2006 Bangladesh; and its Policy and its perspective		Dr. Babul Chandra Sarker PSO, Horticulture center, BARI, Gazipur Modern Technologies of Fruits & Vegetable production: Ensuring nutritional security and uplifting poverty	Dr. Md. Delwar Hossain, DD (Ag. Extension& Rural Eco.), NATA Food security and its different concept; Food security in context of Challenges & Copportunities	
	institutional framework	plan of action to ensure Food Security	of rural livelihood	Bangladesh & Global perspective	
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	5.2	5.2	5.2	5.4 4.8	5.4
12	4.4	4.8	4.8	2.2	4.8 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
Ave rage	5.09	4.83	4.94	4.87	4.99

Date: 04-03-2019

Sl No of Trai nees	Dr. Moinus Salam International. Consultant, Cymmyt, Bangladesh Rice Threat of		Dr. Abu Sayed, Professor BIRDEM Food Potential		Dr. Md. Ataur Rahman, PSO (Research Division), BARI, Gazipur	Dr. Md. Delwar Hossain, DD (Ag. Extension& Rural Eco.), NATA SDG
	developmen	climate change	security	risk of	sustainable	strategies for
	t strategies	& disaster in	and	Public	production of	Sustainable
	towards	food security;	Nutrition	health	wheat, maize	development
	food	adaptable	al	due to	& minor cereal	of
	security in	technologies to	situation	malnutrit	crops for	Bangladesh
	Bangladesh,	face the	in	ion	maintaining	
	Vision 2050	challenges of	Banglade		food security	
		climate change	sh;		in Bangladesh	
	4	in Bangladesh	5.2	7.4	_	
2	4	<u>5</u> 5	5.2 5.2	5.4	5 5	5.2 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 2	4.8 1.8	2.2 5	2.2 5	2.4
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 5.2	5	5	4.4 5	4.8 5
24	5	5.2	4.4	6	6	5
26	5.2	5.2	4.4	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 rage	4.46	4.74	4.97	4.07	4.66	5.04

Date: 05-03-2019

Sl No of Traine es	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	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 micronutrie nt in Human Body	Post-harvest handling, Food Processing and Preservation and its importance for food security
	Bangladesh				_
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
5	4.2	5	6 5.2	6 5	6 5
6	4.4 5.6	5.8	5.2	5	4
7	3.6	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
Avera ge	5.03	4.85	4,89	5.01	4.74

Date: 06-03-19

Sl No of Trai nees	Dr. Sahid Bhyuian, and Ex. P Chancello	Prof. G&PB ro-Vice	Dr. Md. Monirul Islam, Director Nutrition, BARC, Dhaka		Md. Hamidur Rahman; Ex DG, DAE, Dhaka	Md. Hamidur Rahman; Ex DG, DAE, Dhaka
	Genetic ally Modifie d (GM)Cr ops, 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 t	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, opportunitie s
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 4.8	5	5.2 5.4	5.2 5.2	5	5.6 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 2	5
25 26	5.4	5	6 5	5.4	5.2 5.2	5.4
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
Ave						
rage	5.04	5.09	4.97	4.94	5.13	5.01

Date: 07-03-19

Sl No of	A.K.M. N	urul Afsar,	Dr. Mianuddin,	Dr. M A Mazed, DD, Khamarbari,	
Trainees	National Team		CSO, Post-harvest	Dhaka	
	Leader, IFS-B for		Division, BARI.	Ditaka	
	Safe Food Project		Gazipur		
	&EX-Dg (- · · · ·		
	Food	Food Safety	Fisheries	Food	Perspective Plan of
	safety	Authority	production: its	Hygiene &	action &Issues of
	Act-	2015 for	availability in	Food habit	Access to Food in
	2013	ensuring	food security &	change for	
		Safe Food	nutrition and	ensuring	Developing
		and Food	mechanism to	Good health	countries like
		security	promote Fish	and Long	Bangladesh
		•	production in	life	(Group work &
			Bangladesh		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	5	5	5	4	5
9	5	5	5.2 5.4	5	5.4 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 5
23	5	5	4.4	5	
24	5.2	5.2	5	5.2	4.8
25 26	5.2 5.2	5.2 5.2	<u>6</u> 5	5.2 5.2	5.4
27	5.2	5.2	5.4	5.2	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
Tiverage	7./7	7./7	7.70	7./7	3.07