

Training On “Food Security and Nutrition”

Course Completion Report



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

Training Course
On
“Food Security and Nutrition”

Duration: 18-22 October, 2020

Course Management

Course Advisor:

Dr. Md. Abu Sayeed Miah
Director General (In-Charge)
NATA, Gazipur
Cell: 01712024623

Course Coordinator :

Mohammad Abdul Hamid
Deputy Director (Soil Science)
Cell: 01712943514

NATA, Gazipur

Assistant Course
Coordinator :

1. Md. Anwarul Islam Juwel
Senior Assistant Director (Agriculture Extension)
NATA, Gazipur
Cell: 01710-586075

2. Naima Sultana
Senior Assistant Director (Agriculture Economics)
NATA, Gazipur
Cell: 01716245663

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, Former DG, DAE 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 Authority, 2013 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: 18-22 October, 2020

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 speaker 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 and nutrition 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 and nutrition 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 and nutrition. 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 secured and nutritional food consumption in Bangladesh. From such consideration, this training course was organized. At present food security and nutrition is demand driven issue throughout the world as well as in Bangladesh.

Distribution of Certificate

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

(Annexure 1)

National Agriculture Training Academy (NATA)
Gazipur-1701

Training on “Food Security and nutrition”
Duration: 05 Days (18-22 October, 2020)

প্রশিক্ষণার্থীদের তালিকা

ক্র নং	নাম ও পদবী	কর্মস্থল	মোবাইল নং	ই-মেইল
১.	মোঃ আহসান হাবিব বৈজ্ঞানিক কর্মকর্তা	বিএসআরআই, ঈশ্বরদী, পাবনা	01717843450	ranu.sau08@gmail.com
২.	মোঃ আল ইমরান হোসেন বৈজ্ঞানিক কর্মকর্তা	বিএসআরআই, ঈশ্বরদী, পাবনা	01723154884	emran.bau28@gmail.com
৩.	মোঃ হাবিবুর রহমান উর্ধ্বতন বৈজ্ঞানিক কর্মকর্তা	বিনা উপকেন্দ্র, কুমিল্লা	01712794378	habibagrobina@yahoo.com
৪.	মোঃ আকতারুল ইসলাম বৈজ্ঞানিক কর্মকর্তা	কৃষি প্রকৌশল বিভাগ, বিনা	01719474518	aktarul.bau@gmail.com
৫.	মোহাম্মদ ওমর ফারুক বৈজ্ঞানিক কর্মকর্তা	বারটান আঞ্চলিক কার্যালয়, নোয়াখালী	01675009943	omarbau07@gmail.com
৬.	ফারজানা ছিমি বৈজ্ঞানিক কর্মকর্তা	বারটান আঞ্চলিক কার্যালয়, বরিশাল	01712678047	farjana.simi@yahoo.com
৭.	সাদ আহম্মেদ প্রশিক্ষক	বারটান প্রধান কার্যালয়, ঢাকা	01741386328	saad333iu@gmail.com
৮.	মোঃ মিজানুর রহমান বৈজ্ঞানিক কর্মকর্তা	এফএমপিএইচটি বিভাগ, বিআরআরআই	01736630562	engr.mizanubau@gmail.com
৯.	লিপিয়ারা খাতুন বৈজ্ঞানিক কর্মকর্তা	আরএফএস বিভাগ, বিআরআরআই	01966149596	lipi.bsmrau@gmail.com
১০.	আফরিন হোসেন সহকারী পরিচালক (প্রশিক্ষণ)	কৃষি বিপণন অধিদপ্তর, আঞ্চলিক প্রশিক্ষণ কেন্দ্র, রাজশাহী	01737328089	-
১১.	এস এম মাহবুবুল আলম বৈজ্ঞানিক কর্মকর্তা	বাংলাদেশ গম ও ভুট্টা গবেষণা ইনস্টিটিউট আঞ্চলিক কেন্দ্র, শ্যামপুর, রাজশাহী	01726515506	mahbubwrc09@yahoo.com
১২.	মোঃ শরিফুল বিন একরাম বৈজ্ঞানিক কর্মকর্তা	বাংলাদেশ গম ও ভুট্টা গবেষণা ইনস্টিটিউট, নশিপুর, দিনাজপুর	01717545797	sariful.santo@gmail.com
১৩.	মোছা: মিমি তালুকদার সহকারী পরিচালক	যুগ্ম পরিচালক (উদ্যান) এর কার্যালয়, বিএডিসি, রাজশাহী	017407844179	mimitalukdar@gmail.com
১৪.	ফাহাদুল হক সহকারী পরিচালক	উপপরিচালক কন্ডাক্ট প্রোয়ার্স জোন, বিএডিসি, জামালপুর	01723739646	Khagendraroy2373@gmail.com
১৫.	কাজী মারুফ আহমেদ বৈজ্ঞানিক কর্মকর্তা	পিজিআরসি, বিএআরআই, গাজীপুর	-	-
১৬.	এ, কে, এম রাকিবুল হাসান ফেরদৌস বৈজ্ঞানিক কর্মকর্তা	কীটতত্ত্ব বিভাগ, বিএআরআই, গাজীপুর	01717745304	Rakib055ag@gmail.com

ক্র নং	নাম ও পদবী	কর্মস্থল	মোবাইল নং	ই-মেইল
১৭.	সাবাহ্ তুল জান্নাত বৈজ্ঞানিক কর্মকর্তা	কৃষিতত্ত্ব বিভাগ, বিএআরআই, গাজীপুর	01753370843	barshabau@yahoo.com
১৮.	শামসুন নাহার সিনিয়র সহকারি পরিচালক	জাতীয় কৃষি প্রশিক্ষণ একাডেমি (নাটা), গাজীপুর	01717376172	Shumsun27@gmail.com
১৯.	রোজিনা আক্তার মেট্রোপলিটন কৃষি অফিসার	মেট্রোপলিটন কৃষি অফিস পাঁচলাইশ, চট্টগ্রাম	01717205503	rozybaum@yahoo.com
২০.	নূর অলিয়া হক অতিরিক্ত কৃষি অফিসার	উপজেলা কৃষি অফিস, কালিয়াকৈর, গাজীপুর	01677121929	aaokaliakair@dae.gov.bd
২১.	মোঃ আবু বকর সিদ্দিক কৃষি সম্প্রসারণ অফিসার	উপজেলা কৃষি অফিস বাটিয়াঘাটা, খুলনা	01722636989	aeo1batiaghata@dae.gov.bd
২২.	মো: সজীব আল মারুফ কৃষি সম্প্রসারণ অফিসার	উপজেলা কৃষি অফিস দৌলতপুর, কুষ্টিয়া	01723269873	sagibmaruf@gmail.com
২৩.	তানজিলা আহমেদ কৃষি সম্প্রসারণ অফিসার	উপজেলা কৃষি অফিস সদর, বরিশাল	01725497092	tanjilapstu@yahoo.com
২৪.	কাজী শফিউল ইসলাম কৃষি সম্প্রসারণ অফিসার	উপজেলা কৃষি অফিস সোনাগাজী, ফেনী	01723595205	uaosonagazi@yahoo.com
২৫.	মোহাম্মদ শাহীন আলম কৃষি সম্প্রসারণ অফিসার	উপজেলা কৃষি অফিস, দিরাই, সুনামগঞ্জ	01719950336	aeo1derai@dae.gov.bd
২৬.	মো: মাহবুব আলম রনি কৃষি সম্প্রসারণ অফিসার	উপজেলা কৃষি অফিস ঝিকরগাছা, যশোর	01918993576	aeo1jhikargacha@dae.gov.bd
২৭.	মো: মনির হোসেন কৃষি সম্প্রসারণ অফিসার	উপজেলা কৃষি অফিস কেশবপুর, যশোর	01786241439	aeo1keshabpur@dae.gov.bd
২৮.	মো: মিজানুর রহমান কৃষি সম্প্রসারণ অফিসার	উপজেলা কৃষি অফিস সদর, নীলফামারী	017140229680	aeo1nilphamarisadar@dae.gov.bd
২৯.	সুমাইয়া শারমিন পাবলিকেশন অফিসার	জাতীয় কৃষি প্রশিক্ষণ একাডেমি (নাটা), গাজীপুর	01738135208	sumayabau@gmail.com
৩০.	মোঃ সালাহ উদ্দিন তুলা উন্নয়ন কর্মকর্তা	তুলা উন্নয়ন বোর্ড, ময়মনসিংহ জোন	01674406257	salauddin.at@gmail.com

(Annexure 2)

Pre and Post Evaluation of the Trainees

Duration: 5 days, Dated: 06-10 January Full Marks: 50 Time: 30 Minute

SL	Name	Designation	Obtained Marks	
			Pre evaluation	Post evaluation
1.	MD. AHASAN HABIB	Scientific Officer, BSRI, Ishurdi, Pabna	07	33
2.	MD. AL EMRAN HOSSAIN	Scientific Officer, BSRI, Ishurdi, Pabna	09	39
3.	MD. HABIBUR RAHMAN	Senior Scientific Officer, Sub Station BINA, Cumilla	08	40
4.	MD. AKTARUL ISLAM	Scientific Officer, BINA, Mymensingh	08	33
5.	MUHAMMAD OMAR FARUQUE	Scientific Officer, BIRTAN, Noakhali	11	34
6.	FARJANA SIMI	Scientific Officer, BIRTAN, Barishal	5	34
7.	SAAD AHMMED	Instructor, BIRTAN, Dhaka	11	30
8.	MD. MIZANUR RAHMAN	Scientific Officer, BRRI, Gazipur	10	39
9.	LIPIARA KHATUN	Scientific Officer, BRRI, Gazipur	12	36
10.	AFRIN HOSSAIN	Assistant Director (Training), RTC, DAM, Rajshahi	14	33
11.	S. M. MAHBUBUL ALAM	Scientific Officer, BWMRI, Rajshahi	09	27
12.	MD. SARIFUL BIN EKRAM	Scientific Officer, BWMRI, Dinajpur	06	32
13.	MT. MIMI TALUKDAR	Assistant Director, BADC, Rajshahi	03	36
14.	FAHADUL HAQUE	Assistant Director, BADC, Jamalpur	05	34
15.	QUAZI MARUF AHMED	Scientific Officer, PGRC, BARI, Joydebpur, Gazipur	10	34

SL	Name	Designation	Obtained Marks	
			Pre evaluation	Post evaluation
16.	A.K.M. RAKIBUL HASAN FERDOUS	Scientific Officer, BARI, Joydebpur, Gazipur	07	34
17.	SABAH TUL ZANNAT	Scientific Officer, BARI, Joydebpur, Gazipur	10	33
18.	SHAMSUN NAHAR	Senior Assistant Director, NATA, Gazipur	08	36
19.	ROZINA AKHTER	Metropolitan Agriculture Officer Panchlaish, Chittagong, DAE	09	44
20.	NOOR OLIYA HAQUE	Additional Agriculture Officer, Kaliakoir, Gazipur, DAE	9	33
21.	MD. ABU BOKOR SIDDIQUE	Agriculture Extension Officer, Botiaghata, Khulna, DAE	13	40
22.	MD. SAGIB-AL-MARUF	Agriculture Extension Officer, Daulatpur, Kushtia, DAE	14	32
23.	TANJILA AHMED	Agriculture Extension Officer, Barishal Sadar, Barishal, DAE	10	39
24.	KAZI SHAFIUL ISLAM	Agriculture Extension Officer, Sonagazi, Feni, DAE	15	30
25.	MOHAMMAD SHAHEEN ALAM	Agriculture Extension Officer, Derai, Sunamganj, DAE	10	43
26.	MD. MAHBUB ALAM RONI	Agriculture Extension Officer, Jhikargacha, Jashore, DAE	13	33
27.	MD. MONIR HOSSAIN	Agriculture Extension Officer, Keshabpur, Jashore, DAE	05	33
28.	MD. MIJANUR RAHMAN	Agriculture Extension Officer, Nilphamari Sadar, Nilphamari, DAE	22	40
29.	SUMAYA SHARMIN	Publication Officer, NATA, Gazipur	09	44
30.	MD. SALAHUDDIN	Cotton Development Officer, Mymensingh Zone, CDB	16	32

SPEAKER LIST

SL. NO	NAME	DESIGNATION	MOBILE NO
01	Md. Hamidur Rahman	Former Director General, DAE & Expert Member, APA Pool, Ministry of Agriculture, Dhaka	01711-803695
02	A.K.M. Nurul Afsar	Former Director General (Food)	01760-660422
03	Munsi Mohammad Hedayetullah	Former Director General, NATA	01711193834
04	Dr. Moinus Salam	International Consultant, CYMMYT, Bangladesh	01855871938
05	Dr. Sahidur Rashid Bhyuian	Professor, (G&PB) Former Pro-Vice Chancellor, SAU, Dhaka	01552467945
06	Dr. Md. Monirul Islam	Director (Nutrition) BARC, Dhaka	01777686866
07	Dr. Md. Ramizuddin Miah	Professor, Department of Entomology, BSMRAU	01552495584
08	Dr. Abu Sayed	Former Professor, BIRDEM	01819409480
09	Dr. Anil Kumar Das,	Consultant, FAO, Dhaka	01712150667
10	Dr. Md. Delwar Hossain,	Former Deputy Director, NATA	01855333570
11	Dr. Babul Chandra Sarker	PSO, Horticulture Research Center, BARI, Gazipur	01716009319
12	Dr. Golam Ferdous Chowdhury	SSO, Post-Harvest Technology Division, BARI, Gazipur	
13	Dr. Rafiqul Islam	PSO, BARI, Gazipur	01711142846
14	Dr. Nirod Chandra Sarker,	DD, Mushroom development Centre, Saver, Dhaka	01700715919
15	Dr. M A Mazed,	Deputy Director, (L.R.), Khamarbari, Dhaka Attached NATA, Gazipur	01814849190
16	Dr. Md. Lutfor Rahman	Veterinary Surgeon, District Veterinary Hospital, Gazipur.	01711064176
17	Jannatul Sahin	UFO, Gazipur Sadar	01741203239
18	Dr. Shahiduzzaman Shuvo	Medical Officer, NATA	01671690200

Training Schedule

Date	Title of Training	Session	Facilitator
18-10-2020	Historical overview of Food security in Bangladesh; Policy and its institutional framework	01	Dr. Anil Kumar Das, Consultant, FAO, Dhaka
	National Food Security Policy (NFP), 2006 and its perspective plan of action to ensure Food Security	01	
	Modern Technologies of Fruits & Vegetable production: Ensuring nutritional security and uplifting poverty of rural livelihood	01	Dr. Babul Chandra Sarker PSO, Horticulture Research Center, BARI, Gazipur
	Food security and its different concept; Food security in context of Bangladesh & Global perspective	01	Dr. Md. Delwar Hossain, Former Deputy Director, NATA
	World Hunger and Food security: Challenges & Opportunities	01	
19-10-2020	Genetically Modified (GM)Crops, Its impact on food security & Human health	01	Dr. Sahidur Rashid Bhyuian Professor (G&PB) Former Pro-Vice Chancellor, SAU, Dhaka
	Gender & Food Security: Women's role in Food Hygiene and Nutritional safety in household	01	
	SDG strategies for Sustainable development of Bangladesh	02	Munsi Mohammad Hedayetullah Former DG, NATA
	Right to Information ACT		
	Rice development strategies towards food security in 2050, Vision of Bangladesh	01	Dr. Moinus Salam. International. Consultant,Cymmyt, Bangladesh
Threat of climate change & disaster in food security; adaptable technologies to face the challenges of climate change in Bangladesh	01		
20-10-2020	Livestock production: its availability in food security & nutrition safety for growing population of Bangladesh	01	Dr. Md. Lutfor Rahman VS, District Veterinary Hospital, Gazipur.01711064176
	Threat to Food security ; Strategies and Mechanism to promote Food Security in Bangladesh	01	Md. Hamidur Rahman Former DG, DAE & Expert Member, APA Pool, Ministry of Agriculture, Dhaka
	Sustainable Agriculture development in assurance of food security	01	
	Deficiency symptoms, BMI and Sources of micronutrient in Human Body	01	Dr. M A Mazed, DD (L.R.), NATA,Gazipur
	Food Consumption, Balanced diet & Nutritional demand.	01	Dr. Md. Monirul Islam Director Nutrition

	Food adulteration and its effect on public Health	01	BARC, Dhaka
21-10-2020	National Food safety Act, 2013 and Food safety authority, 2015 and its institutional framework for food control system in Bangladesh	01	A.K.M. Nurul Afsar National Team Leader, IFSB for Safe Food Project & Former DG (Food)
	Food Safety Authority 2015 for ensuring Safe Food and Food security	01	
	Mushroom Development: Nutrition & Food Security	01	Dr. Nirod Chandra Sarker, DD, Mushroom development Centre, Saver, Dhaka
	Strategies of sustainable production of wheat, maize & minor cereal crops for maintaining food security in Bangladesh	01	Dr. Rafiqul Islam PSO, BARI, Gazipur
	Ensuring Food safety through food chain: Heavy metal contamination; Use of chemicals, Hormones in Fruits & vegetables and its residual effect	01	Dr. Md. Ramizuddin Miah Professor, Dept. of Entomology, BSMRAU
	Post-harvest handling, Food Processing and Preservation and its importance for food security	01	Md. Hafizul Haque Khan CSO (Incharge), Post-Harvest Technology Division, BARI. Gazipur
22-10-2020	Fisheries production: its availability in food security & nutrition and mechanism to promote Fish production in Bangladesh		Jannatul Sahin, UFO, Gazipur Sadar
	Nutritional Problem in Bangladesh	01	Dr. Abu Sayed Former Professor, BIRDEM.
	Potential Risk of Public Health due to malnutrition	01	
	Perspective Plan of action & Issues of Access to Food in Developing countries like Bangladesh (Group work & Presentation)	02	Md. Jamal Uddin, DD(Entomology), NATA
	Maintenance of Hygiene in COVID-19 Pandemic	01	Dr. Shahiduzzaman Shuvo Medical Officer, NATA

Pre and Post Evaluation

Question of Food Security and nutrition 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 crop production and in which year?
7. Total cereal crop production in Bangladesh is.....
8. Total amount of vegetables production in Bangladesh is.....
9. Vegetables & Fruit consumption per head per day isgm &gm. respectively in Bangladesh.
10. What is nutrition & malnutrition?
- 11.No. of people suffering from Malnutrition in Bangladesh.....
- 12.What are the main reasons for food crisis?
- 13.What are strategies for improving food security?
- 14.What is BMI?
- 15.What measures we should take during Covid-19 pandemic?

Speaker Evaluation by the Trainees

Date: 18-10-2020

Sl No of Trainees	Dr. Anil Kumar Das, Consultant, FAO, 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	4.4	4.8	5.6	5	5
2	5	5	5	5	5
3	5.2	5.2	5.2	5.2	5.2
4	3.6	3.6	4	4.6	4.6
5	5.6	5.6	5.6	5.4	5.6
6	5.6	5.8	5.6	5	5
7	6	6	6	6	6
8	6	6	6	6	6
9	4.4	4.8	5.2	5.2	5.2
10	5	5	5.2	5.2	5.2
11	5.2	5.2	5.2	5.2	5.2
12	3.6	3.6	6	6	6
13	5.6	5.6	5	5.2	5
14	5.6	5.8	5.8	5	5
15	4.4	4.8	3.8	4.8	4.8
16	5	5	3.8	5	5
17	5.2	5.2	5	5.2	5.4
18	3.6	3.6	5.2	5.4	5.4
19	5.6	5.6	5	4.8	4.8
20	5.6	5.8	4.8	2.2	2.4
21	4.4	4.8	1.8	5	5
22	5	5	5.4	6	6
23	5.2	5.2	6	5	5
24	3.6	3.6	3.2	5.8	5
25	5.6	5.6	5.2	3.2	3
26	5.6	5.8	3.8	4.4	4.4
27	5.2	5.2	4.6	4.8	4.8
28	3.6	3.6	4.4	5	5
29	5.6	5.6	4.4	5.8	5.8
30	5.6	5.6	5	5.2	5
Average	4.99	5.07	4.89	5.05	5.03

Date: 19-10-2020

Sl No of Trainees	Dr. Sahidur Rashid Bhyuiian Professor (G&PB) Former Pro-Vice Chancellor, SAU, Dhaka	Munsi Mohammad Hedayetullah Former DG, NATA	Dr. Moinus Salam International. Consultant, Cymmyt, Bangladesh			
	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	SDG strategies for Sustainable development of Bangladesh	Right to Information ACT	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
1	5	5.6	5.2	5	5.4	5.4
2	4	4	4.2	4.5	5	5
3	5.8	5.6	6	6	5.8	5.8
4	5	5.2	5.2	5.2	4.8	5
5	6	6	5	5	5	5
6	5	5	5	5	6	6
7	4.2	4.2	4	4	4.6	4.6
8	4	4	5	5	5	5
9	5.6	4.8	4.4	4.6	5.6	5.6
10	5	4.2	4.8	4.8	4.2	4.2
11	4	4.6	5.4	5.2	5	5
12	4.4	4.4	4.6	4.6	5	5
13	5.2	5.2	5	5	6	6
14	5.4	5.6	5.4	5.4	5.8	5.4
15	5	4.6	4.4	4.4	5	5
16	5.6	5.4	5	5	5.2	5.2
17	5.4	5	5.8	5	5.8	5.8
18	5.6	5.6	5.4	5.4	5.8	5.8
19	5.8	4.6	4.6	4.6	6	6
20	5.8	6	6	6	6	6
21	5.8	5.8	4.8	4.6	5.6	5.6
22	6	6	6	6	6	6
23	6	6	6	6	6	6
24	6	6	6	6	6	6
25	6	6	6	6	6	6
26	5.6	5.6	4	4.4	4.6	4.6
27	6	6	5.8	5.8	5	5
28	4.8	5	4.8	4.8	5	5
29	4.8	4.8	4.8	4.8	5	5
30	5.6	5.6	5.4	5.4	5.8	5.8
Avg.	5.28	5.21	5.13	5.12	5.40	5.28

Date: 20-10-2020

SI No of Trainees	Dr. Md. Lutfor Rahman VS, District Veterinary Hospital, Gazipur	Md. Hamidur Rahman Former DG, DAE & Expert Member, APA Pool, Ministry of Agriculture, Dhaka		Dr. M A Mazed, DD (L.R.) NATA, Gazipur	Dr. Md. Monirul Islam Director Nutrition BARC, Dhaka	
	Livestock production: its availability in food security & nutrition safety for growing population of Bangladesh	Threat to Food security ; Strategies and Mechanism to promote Food Security	Sustainable Agriculture development in assurance of food security	Deficiency symptoms, BMI and Sources of micronutrient in Human Body	Food Consumption, Balanced diet & Nutritional demand.	Food adulteration and its effect on public Health
1	4	4.8	4.6	5	5	5
2	3	5	5	4.8	5.2	5.2
3	4	5	5	4	4.6	4.6
4	5	5.2	5	5	5	5
5	5	5	5	5	6	6
6	4.2	5.8	5.8	4.8	5.2	5.2
7	4.2	4	4	4	5	5
8	6	5.4	4.2	5	6	6
9	4.6	5.4	5.4	3.8	6	6
10	4.4	4.4	4.4	5.8	5.8	5.8
11	4.6	6	6	5	5.8	5.8
12	4	4.6	4.6	5.6	6	6
13	4.8	5	5	4.8	4.6	4.6
14	5.4	5.2	5.2	5.4	5	5
15	5.8	5.6	5.2	6	5.4	5.4
16	5.2	6	6	6	6	6
17	4.8	5.2	5.2	4.4	5.4	5.4
18	4.8	4.6	4.2	5	5.8	5.8
19	5.2	6	6	6	6	6
20	6	6	6	6	6	6
21	4.6	6	6	4.6	6	6
22	6	6	6	6	6	6
23	3.4	6	6	4.8	4.8	4.8
24	4	4.8	5	4.8	5	5
25	4.6	5.8	5.6	5.4	5.6	5.6
26	4.8	4.8	5.2	5.8	6	6
27	4.4	4.6	4.4	4.6	5	5
28	4.6	5.8	5.6	5.4	5.6	5.6
29	4.4	4.4	4.4	5.8	5.8	5.8
30	4.2	5.8	5.8	4.8	5.2	5.2
Avg.	4.67	5.27	5.19	5.11	5.49	5.49

Date: 21-10-2020

Sl No of Trainees	A.K.M. Nurul Afsar, National Team Leader, IFS-B for Safe Food Project &EX-Dg (Food,		Dr. Nirod Chandra Sarker	Dr. Rafiqul Islam PSO, BARI, Gazipur	Dr. Md. Ramizuddin Miah Professor, Dept. of Entomology, BSMRAU	Ferdous Chowdhury PSO, Post-Harvest Technology Division, BARI.
	Food safety Act-2013	Food Safety Authority 2015 for ensuring Safe Food and Food security	Mushroom Development: Nutrition & Food Security	Strategies of sustainable production of wheat, maize & minor cereal crops for maintaining food security in Bangladesh	Heavy metal contamination; Use of chemicals, Hormones in Fruits & vegetables and its residual effect	Post-harvest handling, Food Processing and Preservation and its importance for food security
1	5	5	6	6	6	6
2	5.2	5.2	6	5.6	5.8	5.8
3	5.2	5.2	6	5.6	5.8	5
4	4.8	4.8	5.2	5	5	5
5	4.6	4.6	6	5.2	5.6	5.4
6	5	5	5	5	5	5
7	5.4	5.4	5.8	5.2	4.8	4.8
8	4.8	4.8	5.2	5.6	5.8	5
9	4	4	6	4.6	6	4.8
10	4	4	6	4.4	6	4.8
11	3.6	3.6	4.6	3.2	3.6	4.8
12	5	5	5	5	5	5
13	4.4	4.4	4.6	4.6	4.6	5.4
14	4.2	4.4	5.4	5	4.8	4.8
15	4	4	4.6	4.6	4.6	4.6
16	4.6	4.6	5.8	4.8	4.6	5.4
17	5.4	5.6	5.6	5	5	5.6
18	4.4	4.4	6	5	3.6	3.4
19	5.4	5.4	5.6	5.4	4.6	4.4
20	4.4	4.4	4.6	4.6	4.6	5.4
21	4.6	4.6	4.4	4.6	4.6	4.6
22	3.2	3.2	6	3	3	4
23	3.2	3.2	6	3	4.6	4
24	6	6	6	6	6	6
25	5.6	5.6	5.2	5	5	5.8
26	4.2	4.6	5	4.4	5.2	5.2
27	4.4	4.4	4.8	4.4	4.6	4
28	4.2	4.2	5.6	4.6	4.2	4.8
29	4.4	4.4	4.2	3.2	4	4
30	6	6	6	6	6	6
Avg.	4.64	4.67	5.41	4.79	4.93	4.96

Date: 22-10-2020

SI No of Trainees	Dr. Abu Sayed Former Professor, BIRDEM.		Jannatul Sahin, UFO, Gazipur Sadar	Dr. Shahiduzzaman Shuvo Medical Officer, NATA	Dr. M A Mazed, DD (L.R.), NATA,Gazipur
	Nutritional Problem in Bangladesh	Potential Risk of Public Health due to malnutrition	Jannatul Sahin, UFO, Gazipur Sadar	Maintenance of Hygiene in COVID-19 Pandemic	Perspective Plan of action &Issues of Access to Food in Developing countries like Bangladesh (Group work & Presentation)
1	6	6	6	6	6
2	6	6	6	6	6
3	6	6	5.8	6	6
4	6	6	6	6	6
5	6	6	6	6	6
6	5.2	5.2	5.2	5	4
7	6	6	6	6	6
8	3.6	3.6	5	5	4.6
9	5.8	5.8	4.8	5	5
10	4.6	4.6	4.6	5.4	
11	6	6	5.6	5	5.4
12	6	6	4.8	5	5.4
13	5	5	5	5	5
14	6	6	5	5	5
15	5.2	5.2	5	5.2	4
16	6	6	4.8	5	5.4
17	5.2	5.2	5.2	4.8	5.6
18	6	6	4.8	5	5
19	5.6	5.6	5.2	5.2	5.2
20	4.6	4.2	4.2	5	5
21	6	6	6	6	6
22	4	4	4	4	4
23	4.6	4.6	3.4	5	5.2
24	4	4	4.8	5	5
25	4.8	5	4.6	4.8	5.2
26	3		4.6		
27	5	4.8	5	4.6	4.6
28	5.2	5.2	5	5.2	4
29	6	6	4.8	5	5.4
30	5.2	5.2	5.2	4.8	5.6
Average	5.29	5.17	5.08	5.03	4.85

