

**Training
On
“Food Security and
Nutrition”**

Course Guideline

Duration: 18-22 October, 2020



National Agriculture Training Academy (NATA)

Ministry of Agriculture

Gazipur-1701

www.nata.gov.bd

Training on “Food Security and Nutrition”

Duration: 18-22 October, 2020

Course Management

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Introduction to National Agriculture Training Academy (NATA)

1.1 The Academy

National Agriculture Training Academy (NATA) is the apex training institute for human resource development of officers (grade-9 and above) under the Ministry of Agriculture (MoA) for providing training on diversified fields of professional interest in agriculture sector. The Academy organizes various training programs related to modern agricultural technologies and office management issues throughout the year. The academy is established in Gazipur as Central Extension Resources Development Institute (CERDI) on 14 March 1975 with the financial assistance of Japan International Cooperation Agency (JICA). Afterwards, on 27 June 1984, CERDI was undertaken to the Training Wing of Department of Agricultural Extension (DAE). On 03 April 2013, Government of the People's Republic of Bangladesh abolished CERDI and established NATA as an independent organization of MoA and on 07 June 2014, NATA has been started its journey as a training academy.

After emergence as NATA, the Academy began its training functions with only 10 faculty members. Though Government approved strength is 184, at present NATA has 84 staff members including 30 faculty members.

1.2 Vision

National Agriculture Training Academy becomes a center of excellence for developing competent human resources in agriculture sector.

1.3 Mission

We are pledged to achieve the shared vision through:

- i. Development of skilled human resources of all organizations under MoA by imparting quality training, research and development and publications;
- ii. Enhancement of linkage between education, research and extension to endow agriculture service delivery system;
- iii. Building a network with reputed institutions of home and abroad for organizational capacity development; and
- iv. Fostering a culture of continuous learning for development of knowledge-intensive agriculture service.

1.4 Functions

The NATA has been entrusted to perform the following functions:

- i. Develop skilled human resources of the government, semi-government, autonomous organizations under MoA through imparting training program on modern and sustainable agriculture technology and office management topics;
- ii. Transfer modern and sustainable agriculture technology developed by the research organizations for obtaining higher yield of crops of the farmers;
- iii. Conduct demonstration, adaptive research and research of proven technologies;
- iv. Impart all sorts of in-service training with special emphasis on induction, foundation and senior staff course;

- v. Exchange publications, participants and resource persons in seminars, workshops, conferences and training among the stakeholders;
- vi. Advice government and other organizations on training, achieving food and nutrition security, ICT, transfer of agriculture technology, agro-based industries and conservation environments etc.;
- vii. Help government and policy makers in framing and analyzing agricultural policies;
- viii. Conduct different training activities of academy in consonance with provision of the public administration training policy, 2003; and
- ix. Perform all kinds of duties directed by the government.

1.5 Location of the Academy

The Academy is about 25 km away from the capital city Dhaka and 3 km away from Joydebpur Chandana Chowrasta towards Gazipur district head quarter. It is located adjacent to Bangladesh Rice Research Institute (BRRI) and occupied 49 acres of land. The academy provides the trainees an ample scope to get free access to the adjacent institutions like Bangladesh Agriculture Research Institute (BARI), Bangladesh Rice Research Institute (BRRI), Seed Certification Agency (SCA), Bangabondhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Telecommunication College, and other government offices in Gazipur.

1.6 Facilities

1.6.1 Physical Facilities

The Academy is well equipped with some physical facilities to run the training programs successful though it began its voyage recently. Existing facilities of the academy are as follows.

- Office building-2
- Class room- 3
- Laboratory (Subject wise technical)
- Plant protection museum- 1
- Conference room- 1
- Auditorium-1
- Dormitory- 4
- Cafeteria- 1
- Greenhouse- 3
- Workshop-1
- Mosque-1

1.6.2. Digital Computer cum Language Lab. and IT facilities

There is one Digital Computer cum Language Lab in the Academy. It is located on the 1st floor of the Administrative building. IT facilities available include LAN and Wi-Fi and the whole campus under Wi-Fi coverage. To expedite foreign language learning, NATA set up a Digital Computer cum Language Lab. as part of the Academy's drive for capacity building of government officials. Participants can avail the opportunity of learning the foreign language while they stay in NATA.

1.6.3 Recreational Facilities

The Academy has a recreation room with color T.V in the dormitory. The daily newspapers are also available in recreation room for the participants.

1.6.4 Linkage with other Training Organizations

NATA maintains good relations with other training Academies in the country including BPATC, RPATC, BCS Administration Academy, BIAM, FIMA and so on. NATA has a plan to collaborate with international training institutes for improvement its human resources. NATA also collaborate with national research organizations for research in agriculture sector.

1.7 Evaluation

Course coordinator and asst. course coordinators are given the responsibility to evaluate the participants. The course is evaluated during pre and post training situation. Furthermore, the participants are given the chance to evaluate the resource speakers by using a prescribed format.

1.8 Sessions

Every day the session is started at 9.00 am in the morning and ends at 5:00 pm in the afternoon. There are two health breaks started at 10.30 am for snacks and 03.30 pm for tea as well as lunch with prayer break at 01.05p mrespectively. Participants are advised to attend in the class in time without fail for avoiding any kinds of disciplinary action.

Daily Schedule

Activities	Duration
Recap	09.00-09.15
1 st Session	09:15-10:15
2 nd Session	10:15-11:15
Tea Break	11:15-11:30
3 rd Session	11:30-12:30
4 th Session	12:30-01:30
Prayer & Lunch	01:30-02:30
5 th Session	02:30-03:30
6 th Session	03:30-04:30
Tea Break	04:30-05:00

1.9 Norms to be followed during the training

- No casual leave is allowed during training period;
- Participants living in the dormitory are advised to follow the norms of the dormitory;
- The campus area is a “Nonsmoking Zone”. Participants are advised to refrain from smoking inside the Academy; and
- Participants are not allowed to enter the dormitory after 10:00pm at night.

Course at a glance

Objective of the Course:

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.

Target population: Officer of 9th & above grade under the Ministry of Agriculture.

Duration of each session: 60 minutes.

Prerequisites of the course:

- To attend in the training class in time;
- To be present at least 99% of the classes otherwise certificate may not be awarded;
- Maintain the norms in dormitory and cafeteria;
- Absent from any session is not allowed without prior permission from the course coordinator even in case of emergency;
- Enthusiastic to learn and share ideas in training session; and
- Cell phone must be kept in silent mode.

Course Contents

SL No.	Title of the contents
1	Historical overview of Food security in Bangladesh; World Hunger and Food security: Challenges & opportunities
2	National Food Security Policy (NFP), 2006 and its perspective plan of action to ensure Food Security
3	Modern Technologies of Fruits & Vegetable production: Ensuring nutritional security and uplifting poverty of rural livelihood
4	Food security and its different concept; Food security in context of Bangladesh & Global perspective
5	World Hunger and Food security: Challenges & Opportunities
6	Genetically Modified (GM)Crops, Its impact on food security & Human health
7	Gender & Food Security: Women's role in Food Hygiene and Nutritional safety in household
8	Rice development strategies towards food security in 2050, Vision of Bangladesh
9	Threat of climate change & disaster in food security; adaptable technologies to face the challenges of climate change in Bangladesh
10	Livestock production: its availability in food security & nutrition safety for growing population of Bangladesh
11	Threat to Food security, Strategies and Mechanism to promote Food Security in Bangladesh
12	Sustainable Agriculture development in assurance of food security
13	Deficiency symptoms, BMI and Sources of micronutrient in Human Body
14	Food Consumption, Balanced diet & Nutritional demand;
15	Food adulteration and its effect on public Health
16	National Food safety Act, 2013 and Food safety authority, 2015 and its institutional framework for food control system in Bangladesh
17	Food Safety Authority 2015 for ensuring Safe Food and Food security
18	Mushroom Development: Nutrition & Food Security
19	SDG strategies for Sustainable development of Bangladesh
20	Strategies of sustainable production of wheat, maize & minor cereal crops for maintaining food security in Bangladesh

21	Ensuring Food safety through food chain: Heavy metal contamination; Use of chemicals, Hormones in Fruits & vegetables and its residual effect
22	Post-harvest handling, Food Processing and Preservation and its importance for food security
23	Fisheries production: its availability in food security & nutrition and mechanism to promote Fish production in Bangladesh
24	Nutritional Problem in Bangladesh
25	Potential Risk of Public Health due to malnutrition
26	Food Hygiene & Food habit change for ensuring Good health and Long life
27	Right to Information ACT
28	Perspective Plan of action & Issues of Access to Food in Developing countries like Bangladesh (Group work & Presentation)

List of Resource Persons

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	National Team Leader, IFSB for Safe Food Project & 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	Md. Hafizul Haque Khan	CSO (Incharge) Post-Harvest Technology Division, BARI, Gazipur	01556631691
13	Dr. Rafiqul Islam	PSO, BARI, Gazipur	01711142846
14	Dr. Nirod Chandra Sarker, DD,	Mushroom development Centre, Saver, Dhaka	01700715919
15	Md. Jamal Uddin,	Deputy Director (Entomology), NATA	01718214607
16	Dr. M A Mazed,	Deputy Director, (L.R.), Khamarbari, Dhaka Attached NATA, Gazipur	01814849190

17	Dr. Md. Lutfor Rahman	Veterinary Surgeon, District Veterinary Hospital, Gazipur.	01711064176
18	Jannatul Sahin	UFO, Gazipur Sadar	01741203239
19	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 01712150667
	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 01716009319
	Food security and its different concept; Food security in context of Bangladesh & Global perspective	01	Dr. Md. Delwar Hossain, Former Deputy Director, NATA 01855333570
	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 Bhyuiian 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 01711193834
	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,Gazipur01814849190
	Food Consumption, Balanced diet & Nutritional demand.	01	Dr. Md. Monirul Islam Director Nutrition BARC, Dhaka 01777686866
	Food adulteration and its effect on public Health	01	

Training Schedule

Date	Title of Training	Session	Facilitator
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) 01760660422
	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 01700715919
	Strategies of sustainable production of wheat, maize & minor cereal crops for maintaining food security in Bangladesh	01	Dr. Rafiqul Islam PSO, BARI, Gazipur 01711142846
	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 01552495584
	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 01556631691
22-10-2020	Fisheries production: its availability in food security & nutrition and mechanism to promote Fish production in Bangladesh		Jannatul Sahin, UFO, Gazipur Sadar 01741203239
	Nutritional Problem in Bangladesh	01	Dr. Abu Sayed Former Professor, BIRDEM. 01819409480
	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 01718214607
	Maintenance of Hygiene in COVID-19 Pandemic	01	Dr. Shahiduzzaman Shuvo Medical Officer, NATA

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