



**Training Course  
On  
'Eco-Friendly Plant Protection Techniques'**

# Course Guideline



**19-28 September 2021**



**National Agriculture Training Academy  
Gazipur-1701**

# Eco- Friendly Plant Protection Techniques

## Course Management

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National Agriculture Training Academy  
Gazipur-1701

# Training Course On 'Eco-Friendly Plant Protection Techniques'

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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 32 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 Joydevpur 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 1<sup>st</sup> 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**

Everyday 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 01.05pm respectively. Participants are advised to attend in the class in time without fail for avoiding any kinds of disciplinary action.

#### **Daily Schedule**

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

### **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 “Non Smoking 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**

National Agriculture Training Academy (NATA) is the apex-training academy under the Ministry of Agriculture (MoA). NATA organizes training programs based on the needs of 16 organizations under the MoA. At present, Eco-friendly plant protection technology is crucial demand for DAE and other Research organization. To meet up the special needs of the personnel of different organizations under the MoA, NATA has designed this training course. This course will be equipped the participants with intellectual inputs and necessary skills which will be helpful for their organizations to perform Diseases and Insects eco-friendly management efficiently.

### **◆ Course Objective**

The pests (Insects and Diseases) management of different crops relies heavily on toxic synthetic chemical pesticides. Indiscriminate application of toxic chemicals over the years in crop fields has resulted in many undesirable effects on human health, environment and overall sustainability of the farming systems. The increased public concerns about the adverse environmental effects and food safety associated with the use of synthetic agro-chemicals prompted search for the necessity of eco-friendly plant protection approaches to manage those destructive insects and diseases. So, the participants who working in the crop sector or agriculture related activities need to manage insects and diseases eco-friendly and this training will make them skill to identify different insects and diseases and eco-friendly strategies to protect crops.

**◆ Target population:** 9<sup>th</sup>& above grade officer 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.
- Wearing mask & maintain safe distance mandatory.
- To use hand sanitization properly.

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**Date: 19/9/2021**

**Day-01: Sunday**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
8.30-9.30	Breakfast	Aharjoo Cafeteria
9.30-10.00	Inaugural Ceremony	DG/Faculties / CC /ACC
10.00-10.15	Pre-Evaluation Test	CC/ACC
10.20-11.20	Eco-friendly Agriculture: Concepts, Challenges, and Opportunities	Dr. Md. Moin Us Salam International Consultant CIMMYT, Bangladesh Cell: 01855871938
11.30-12.00	Tea Break	Aharjoo Cafeteria
12.00 -1.00	Important diseases of cucurbits, cabbage and cauliflower and its eco-friendly management systems	Dr. Abdul Mannan Akanda Ex-Vice Chancellor BSMRAU, Gazipur Cell:01755593159
1.00- 2.00	Major diseases of tomato, okra, and bean crops and its eco-friendly management specially virus	Dr. Abdul Mannan Akanda Ex-Vice Chancellor BSMRAU, Gazipur Cell:01755593159
2.00-3.00	Prayer & Lunch	Aharjoo Cafeteria
3.00-4.00	Major diseases of rice (Blast, Sheath blight, BLB and Sheath rot) and its eco-friendly management	Dr. Md. Ashik Iqbal Khan PSO, Training Division BRRI, Gazipur Cell:01711146324
4.00-5.00	Bio-ecology of rice stem borer, gall midge, ear cutting caterpillar & rice hispa, its nature of damage and eco-friendly management systems.	Dr. Md. Shamim Hossain Associate Professor Dept. Entomology BSMRAU, Gazipur Cell: 01716427379
5.00-5.30	Evening Tea	Aharjoo Cafeteria
9.00-10.00	Dinner	Aharjoo Cafeteria

☞ This Schedule is Subject to Change.

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**Date: 20/9/2021**

**Day-02: Monday**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
8.30-9.20	Breakfast	Aharjoo Cafeteria
9.20-9.30	Review of the previous day	Md. Shahinul Islam Sr. AD, (ACC) NATA, Gazipur.
9.30-10.30	Important diseases of pulses and oil seed crops and its eco-friendly management	Dr. Md. Lutfor Rahman Director, Oilseed Research Centre, BARI, Gazipur Cell: 01716063808
10.30-11.30	Introduction to Biological control, Beneficial insects and Microorganisms.	Md. Ahsanul Haque Swapon Professor, Entomology BSMRAU, Gazipur. Cell: 01711972521
11.30-12.00	Tea Break	Aharjoo Cafeteria
12.00 -1.00	Major pests of store crops and its eco-friendly management systems	Md. Ahsanul Haque Swapon Professor, Entomology BSMRAU, Gazipur. Cell: 01711972521
1.00-2.30	Prayer & Lunch* (Lunch Starts at 2.00 PM)	Aharjoo Cafeteria
2.30-3.30	4IR	Dr. Md. Sayedur Rahman DD (Horticulture), NATA, Gazipur Cell: 01552495564
3.30-4.30	Do	Do
4.30-5.00	Evening Tea	Aharjoo Cafeteria
9.00-10.00	Dinner	Aharjoo Cafeteria

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**Date: 21/9/2021**

**Day-03: Tuesday**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
8.30-9.20	Breakfast	Aharjoo Cafeteria
9.20-9.30	Review of the previous day	Md. Shahinul Islam Sr. AD, (ACC) NATA, Gazipur.
9.30-10.30	Introduction to major insect pests of maize special Fall Armyworm, its bio-ecology, nature of damage and eco-friendly management systems.	Dr. Syed Nurul Alam Ex Director, BARI & Consultant, Ispahni Biotech. Cell: 01711907886
10.30-11.30	Major insect pests of cucurbits, cabbage and cauliflower and its eco-friendly management.	Dr. Mohammad Tofazzal Hossain Howlader Professor, Dept. of Entomology, BAU, Mymensingh Cell: 01742220007
11.30-12.00	Tea Break	Aharjoo Cafeteria
12.00-1.00	Production techniques of bio-pesticides and their application	Dr. Mohammad Tofazzal Hossain Howlader Professor, Dept. of Entomology, BAU, Mymensingh Cell: 01742220007
1.00-2.30	Prayer & Lunch* (Lunch Starts at 2.00 PM)	Aharjoo Cafeteria
2.30-3.30	Major insect pests of mango, guava and litchi and its eco-friendly management.	Dr. Babul Chandra Sarker CSO, Fruit Division, HRC, BARI, Gazipur Cell: 01716009319
3.35-4.35	Eco friendly weed management techniques.	Dr. Md. Shohidul Islam CSO & Head, Agronomy Division, BRRI, Gazipur Cell: 01719868333
4.35-5.00	Evening Tea	Aharjoo Cafeteria
9.00-10.00	Dinner	Aharjoo Cafeteria

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**Date: 22/9/2021**

**Day-04: Wednesday**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
8.30-9.20	Breakfast	Aharjoo Cafeteria
9.20-9.30	Review of the previous day	Md. Saiful Islam Sr. AD, (ACC) NATA, Gazipur
9.30-10.30	Major insect pests of beans, pulses and oil seed crops and its eco-friendly management	Dr. Md. Akhtaruzzaman Sarker, SSO, Entomology Div, BARI, Gazipur Cell: 01556300588
10.30-11.30	Major insects pests of dragon fruit and date plant and its eco-friendly management systems.	Dr. Md. Akhtaruzzaman Sarker, SSO, Entomology Div, BARI, Gazipur Cell: 01556300588
11.30-12.00	Tea Break	Aharjoo Cafeteria
12.00-1.00	Safe use and handling of pesticides in fruits and vegetables.	Dr. Mohammad Dalower Hossain Prodhan SSO, BARI, Gazipur Cell: 01819849657
1.00-2.30	Prayer & Lunch* (Lunch Starts at 2.00 PM)	Aharjoo Cafeteria
2.30-3.30	Climate change and its effects on biological control agents	Prof. Dr.Md. Ruhul Amin Dept. of Entomology, BSMRAU, Gazipur. Cell:01714260959
3.35-4.35	Adverse effects and Residual effects of Pesticides and its Risk reduction.	Prof. Dr.Md. Ruhul Amin Dept. of Entomology, BSMRAU, Gazipur. Cell: 01714260959
4.35-5.00	Evening Tea	Aharjoo Cafeteria
9.00-10.00	Dinner	Aharjoo Cafeteria

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**Date: 23/9/2021**

**Day-05: Thursday**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
8.30-9.20	Breakfast	Aharjoo Cafeteria
9.20-9.30	Review of the previous day	Md. Shahinul Islam Sr. AD, (ACC) NATA, Gazipur.
9.30-10.30	Use of Tricho-derma based products (trico compost, suspension & talc based formulation) for eco-friendly crop production.	Dr. Mossammat Samsunnahar PSO, Plant Pathology Division, HRC, BARI, Gazipur Cell: 01674876252
10.30-11.30	Pesticide regulation and pesticide using pattern in Bangladesh. An impact analysis of pesticide use due to Eco-friendly practices.	Dr. Abu Sayeed Miah Director (PPW), DAE, Khamarbari, Dhaka Cell:01712024623
11.30-12.00	Tea Break	Aharjoo Cafeteria
12.00-1.00	Type of pesticides, their mode of action and common pesticides using in Bangladesh.	Dr. Abu Sayeed Miah Director (PPW), DAE, Khamarbari, Dhaka Cell:01712024623
1.00-2.30	Prayer & Lunch* (Lunch Starts at 2.00 PM)	Aharjoo Cafeteria
2.30-3.30	Important diseases of spices (Onion, Garlic, Ginger, Turmeric and Chili) and its eco-friendly management	Dr. K.M. Khalequzzaman PSO, SRC, BARI, Bogura Cell: 01558313632
3.35-4.35	Social safety net & Disaster Management	Dr. Md. Jamal Uddin DD (Plant Pathology), NATA, Gazipur Cell: 01718214607
4.35-5.00	Evening Tea	Aharjoo Cafeteria
9.00-10.00	Dinner	Aharjoo Cafeteria

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**Date: 25/9/2021**

**Day-07: Saturday**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
8.30-9.20	Breakfast	Aharjoo Cafeteria
9.20-9.30	Review of the previous day	Md. Shahinul Islam Sr. AD, (ACC) NATA, Gazipur
9.30-10.30	Sustainable Development Goals (SDG's): Bangladesh Perspective & Role in Agriculture Sector.	Md. Monirul Islam Joint Secretary (SDG) PM's office, Dhaka Cell:01711464513
10.30-11.30	Do	Do
11.30-12.00	Tea Break	Aharjoo Cafeteria
12.00-1.00	Major insect pests of jute, cotton and sugarcane and its eco-friendly management.	Dr. Selina Akhter PSO & Head, BSRI, Gazipur. Cell: 01716089694
1.00-2.30	Prayer & Lunch* (Lunch Starts at 2.00 PM)	Aharjoo Cafeteria
2.30-3.30	Important diseases of jute, cotton and sugarcane and its eco-friendly management	Dr. Md. Shamsur Rahman CSO, Pathology Division, BSRI, Ishwardi Cell: 01716165669
3.35-4.35	Major insect pests of brinjal, okra and tomato and its eco-friendly management systems	Dr. Md. Mamunur Rahman Professor & Head Entomology BSMRAU, Gazipur Cell: 01710900594
4.35-5.00	Evening Tea	Aharjoo Cafeteria
9.00-10.00	Dinner	Aharjoo Cafeteria

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**Date: 26/9/2021**

**Day-08: Sunday**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
8.30-9.20	Breakfast	Aharjoo Cafeteria
9.20-9.30	Review of the previous day	Md. Shahinul Islam Sr. AD, (ACC) NATA, Gazipur
9.30-10.30	Introduction to Major insect pests of banana, coffee and chew nut and its eco-friendly management.	Dr. Md. Akhtaruzzaman Sarker, SSO, Entomology Div, BARI, Gazipur Cell: 01556300588
10.30-11.30	Tea Break	Aharjoo Cafeteria/BARI cafeteria
11.30-12.30	Visit of BARI toxicology lab. (Residual effect of pesticides on fruits and vegetables)	Dr. Mohammad Dalower Hossain Prodhan SSO, BARI, Gazipur Cell: 01819849657
12.30 -01.30	Visit of BARI IPM lab. (Rearing techniques of Bracon, Tricograma etc.)	Dr. Kohinoor Begum PSO, BARI, Gazipur Cell: 01552450007
1.30-2.30	Prayer & Lunch* (Lunch Starts at 2.00 PM)	Aharjoo Cafeteria
2.30-3.30	Major diseases of potato and brinjal and its eco-friendly management systems	Dr. Ashraf Uddin Ahmed CSO, Training & Communication, BARI, Gazipur Cell: 01711117724
3.35-4.35	NIS	Abul Kalam Azad DD (Agril. Extn. & Rural Econ.), NATA, Gazipur Cell: 01940652412
4.35-5.00	Evening Tea	Aharjoo Cafeteria
9.00-10.00	Dinner	Aharjoo Cafeteria

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**Date: 27/9/2021**

**Day-09: Monday**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
8.30-9.20	Breakfast	Aharjoo Cafeteria
9.20-9.30	Review of the previous day	Md. Shahinul Islam Sr. AD, (ACC) NATA, Gazipur
9.30-10.30	Bio-statistical based plant disease management: concept, principles & practice	Dr. Muhammad Shamsul Alom Director (C.C) Training & Comunication BARI, Gazipur Cell: 01316173275
10.30-11.30	Important diseases of guava, papaya, coconut and litchi and its eco-friendly management systems	Dr. Md. Noman Farook Professor Dept. of Pathology, SAU, Dhaka Cell: 01819823030
11.30-12.00	Tea Break	Aharjoo Cafeteria
12.00-1.00	Major diseases of mango, jackfruit and banana and its eco-friendly management systems.	Dr. Md. Noman Farook Professor Dept. of Pathology, SAU, Dhaka Cell: 01819823030
1.00-2.30	Prayer & Lunch* (Lunch Starts at 2.00 PM)	Aharjoo Cafeteria
2.30-3.30	Wheat Blast: Causes, nature of damage and eco-friendly management systems.	Dr. Golam Faruqe CSO, RWRC, Gazipur Cell: 01725444555
3.35-4.35	Introduction to major insect pests of wheat, its bio-ecology, nature of damage and eco-friendly management systems.	Dr. Golam Faruqe CSO, RWRC, Gazipur Cell: 01725444555
4.35-5.00	Evening Tea	Aharjoo Cafeteria
9.00-10.00	Dinner	Aharjoo Cafeteria

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**Date: 28/9/2021**

**Day-10: Tuesday**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
8.30-9.20	Breakfast	Aharjoo Cafeteria
9.20-9.30	Review of the previous day	Md. Shahinul Islam Sr. AD, (ACC) NATA, Gazipur
9.30-10.30	Major diseases of rice (Tungro, Ufra, Brown spot and False smut) and its eco-friendly management	Dr. M.A. Latif CSO, & Head (Plant Pathology), BRRI, Gazipur. Cell: 01715034094
10.30.-11.30	Use of Nano-particle for eco-friendly pest management.	Dr. M. Tofazzal Islam Professor, Dept. of Biotechnology, BSMRAU, Gazipur. Cell: 0171-4001414
11.30-12.00	Tea Break	Aharjoo Cafeteria
12.00-1.00	Bio-ecology of BPH, GLH, its nature of damage and eco-friendly management systems.	Dr. Md. Mofazzel Hosen CSO (Entom.), BRRI, Gazipur. Cell: 01552310446
1.00-2.30	Prayer & Lunch* (Lunch Starts at 2.00 PM)	Aharjoo Cafeteria
2.30-3.30	Pest Museum visit	DR. Md. Jamal Uddin DD (Plant Pathology), NATA, Gazipur Cell: 01718214607
3.30-4.00	Post evaluation test	CC/ACC
4.00-4.30	Closing Ceremony with awarding certificate	DG/Faculties / CC /ACC
4.30-5.00	Evening Tea	Aharjoo Cafeteria

## List of Resource Persons and Guest Speakers

Sl. No.	Name of the resource personnel	Designation	Posting place
1	Dr. Syed Nurul Alam	Ex Director, BARI & Consultant	Ispahni Biotech. Cell: 01711907886
2	Dr. Abdul Mannan Akanda	Ex-Vice Chancellor	BSMRAU, Gazipur Cell: 01755593159
3	Dr. Md. Abu Sayeed Miah	Director (PPW)	DAE, Khamarbari, Dhaka Cell: 01712024623
4	Dr. Babul Chandra Sarker	CSO, Fruit Division, HRC	BARI, Gazipur Cell:01716009319
5	Md. Monirul Islam	Joint Secretary (SDG)	PM'S Office, Dhaka Cell: 01711464513
6	Dr.Md. Ruhul Amin,	Professor Dept. of Entomology	BSMRAU ,Gazipur. Cell: 01711548416
7	Dr. Md. Lutfur Rahman	Director, Oilseed Research Centre,	BARI, Gazipur Cell: 01716063808
8	Dr. M.A. Latif	CSO & Head (Plant Pathology Division)	BRRI.Gazipur. Cell: 01715034094
9	Dr. Mossammat Samsunnahar	CSO, PGRC	BARI, Gazipur Cell: 01674876252
10	Dr. Mohammad Tofazzal Hossain Howlader	Professor Dept. of Entomology	BAU, Mymensingh Cell: 01742220007
11	Dr. K.M. Khalequzzaman	PSO, SRC	BARI, Bogura Cell: 01558313632
12	Dr. Mohammad Dalower Hossain Prodhan	SSO	BARI, Gazipur Cell: 01819849657
13	Dr. Md. Moin Us Salam	International Consultant	CIMMYT, Bangladesh Cell: 01855871938
14	Dr. Md. Mofazzel Hosen	CSO (Entom.)	BRRI, Gazipur. Cell: 01552310446
15	Dr. Md. Tofazzal Islam	Professor, Dept. of Biotechnology,	BSMRAU. Cell: 01714-001414
16	Dr. Md. Shohidul Islam	CSO & Head, Agronomy Division	BRRI, Gazipur Cell: 01719868333
17	Dr. Selina Akhter	PSO & Head	BSRI, Gazipur. Cell: 01716089694
18	Dr. Md. Mamunur Rahman	Professor & Head Entomology	BSMRAU, Gazipur Cell: 01710900594
19		Professor, Entomology	BSMRAU, Gazipur.

	Md. Ahsanul Haque Swapon		Cell: 01711972521
20	Dr. Md. Shamim Hossain	Associate Professor	Dept. Entomology BSMRAU, Gazipur Cell: 01716427379
21	Dr. Md. Jamal Uddin	DD (P. Pathology)	NATA, Gazipur Cell: 01712272859
22	Dr. Ashraf Uddin Ahmed	CSO, Training & Communication,	BARI, Gazipur Cell: 01711117724
23	Dr. Md. Ashik Iqbal Khan	PSO, Training Division	BRRI, Gazipur Cell:01711146324
24	Dr. Md. Sayedur Rahman	Deputy Director (Horticulture)	NATA, Gazipur. Cell: 01552495564
25	Dr. Md. Akhtaruzzaman Sarker	SSO, Entomology Div	BARI, Gazipur Cell: 01556300588
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