

Course Completion Report

on

Seed Technology

Duration: 28 October - 06 November 2018



National Agriculture Training Academy (NATA)
Gazipur-1701.

Course Management Team

Course Advisor : **Dr. Md. Abu Sayeed Miah**
Director General (In-charge)
NATA, Gazipur.

Course Director : **Dr. Md. Ataur Rahman Howlader**
Director, Administration (In-charge)
NATA, Gazipur.

Course Coordinator : **Dr. Mohammad Shariful Islam**
Deputy Director (Agronomy)
NATA, Gazipur.

Asst. Course Coordinator:

- 1. Khabirunnahar**
Senior Assistant Director
(Pulse & Oil Crops)
NATA, Gazipur.
- 2. Hafsha Khatun**
Senior Assistant Director
(Genetics & Plant Breeding)
NATA, Gazipur.

Contents

Sl. No.	Subject	Page
1	Introduction	1
2	Course objectives	1
3	Course content	2
4	Resource person and guest speaker	3
5	Course evaluation by the participants	4
6	Pre- and post- evaluation test report	7
7	Training schedule	9
8	List of participants	12

Course at a glance

1. Introduction

At the pace of progress in agricultural productivity, it has become necessary to ensure that seeds of good quality reach every farmer at the right time, at the right place and at affordable price. This is not an easy task, since seed production, processing, storage, marketing and quality control are a highly skilled job and we have few trained manpower in these field. We need as soon as possible a large number of seed technologists who are conversant with all aspects of seed industry.

Therefore, the officers of different organizations under the MoA need skills on different activities regarding quality seeds. The module on Seed Technology has been prepared in order to help organizing training course by NATA for the personnel of different organizations under the Ministry of Agriculture. The training on seed technology will help them to perform efficiently their jobs with seed related activities in order to achieve quality seeds.

2. Course objectives

After completion of training course the participants will be able to:

- a) state the concept of seed quality and seed technology;
- b) explain the quality control mechanism of seed in Bangladesh;
- c) perform the production, processing, testing and storage of seed properly;
- d) illustrate the marketing system and planning of seed business for an entrepreneurs;
- e) comply the seed acts, rules and regulations of Bangladesh in their job area.

3. Number of participants: 22

4. Duration of the course: 10 days (28.10.18 - 06.11.18)

5. Course content

Sl.	Content
1.	Module - 1: Seed Technology and Quality Aspects
2.	Lesson 1: Seed technology: Conceptual issues of seed and seed quality
3.	Lesson 2: Concept on quality seed, dormancy and seed quality enhancement
4.	Lesson 3: Seed system and status of quality seed in Bangladesh and abroad
5.	Module - 2: Seed Quality Control and Assurance
6.	Lesson 1: Seed quality control mechanism in Bangladesh and abroad
7.	Lesson 2: Seed generation and seed certification system in Bangladesh
8.	Lesson 3: Field inspection of cereal crops and field & seed standards
9.	Lesson 4: Field counting in rice seed crop (practical/group work)
10.	Lesson 5: National integrity and ethics in quality seed supply
11.	Module - 3: Varietal Development and Seed Maintenance
12.	Lesson 1: Varietal types and methods of their development
13.	Lesson 2: Maintenance of nucleus and breeder seed of rice and other crops
14.	Lesson 3: Variety release and registration procedures in Bangladesh
15.	Lesson 4: Identifying characters of important varieties of notified crops
16.	Lesson 5: Special characters of important varieties of non-notified crops
17.	Module - 4: Seed Multiplication and Processing
18.	Lesson 1: General principles of seed production and seed research
19.	Lesson 2: Seed production techniques of open pollinated vegetable crops
20.	Lesson 3: Hybrid seed production technology of important vegetables
21.	Lesson 4: Seed production technology of hybrid rice
22.	Lesson 5: Harvesting and seed extraction methods of different vegetables
23.	Lesson 6: Control measures of important insects of major crops
24.	Lesson 7: Control measures of important diseases of major crops
25.	Lesson 8: Processing of seeds (drying, cleaning, grading, treatment and packing)
26.	Lesson 9: Seed preservation and storage management
27.	Lesson 10: Control measures of pests in seed storage
28.	Module - 5: Seed Sampling and Quality Testing
29.	Lesson 1: Seed sampling and sample preparation
30.	Lesson 2: Seed sample registration and purity analysis
31.	Lesson 3: Seed moisture content, vigour and viability test
32.	Lesson 4: Seed germination test and seedling evaluation
33.	Lesson 5: Seed health test: Materials and testing procedure
34.	Lesson 6: Seed purity analysis (practical)
35.	Lesson 7: Seed moisture content, vigour and viability test (practical)
36.	Lesson 8: Seed setting for germination test and seedling evaluation (practical)
37.	Lesson 9: Identification of seed borne pathogens of major crops (practical)
38.	Module - 6: Seed Marketing and Seed Business
39.	Lesson 1: Seed marketing and distribution system in Bangladesh
40.	Lesson 2: Seed business and seed enterprises development
41.	Lesson 3: Field visit to seed related organization on marketing/business
42.	Module - 7: Seed Policy and Seed Legislation/Law
43.	Lesson 1: Overview of the national seed policy and the agriculture policy
44.	Lesson 2: The Seed act of Bangladesh in comparison to other countries
45.	Lesson 3: The Seed rules of Bangladesh and problems in its enforcement
46.	Lesson 4: The plant quarantine act & rules and nursery guidelines of Bangladesh
47.	Lesson 5: Seed market monitoring and mobile court enforcement

6. Resource person and guest speaker

Sl. No.	Name & Designation	Address	Mobile No.
1	Dr. M. Moynul Haque Professor & Dean	Dept. of Agronomy, Agriculture Faculty, BSMRAU, Gazipur	01711908640
2	Dr. M. Mofazzal Hossain Professor	Dept. of Horticulture, BSMRAU, Gazipur	01819433225
3	Dr. Md. Golam Rasul Professor	Dept. of Genetics & Plant Breeding, BSMRAU, Gazipur	01715401448
4	Dr. Md. Abu Ashraf Khan Professor	Dept. of Plant Pathology, BSMRAU, Gazipur	01711193457
5	Mr. M. Shahjahan Ali Member Director (Ret.)	BSFIC, Dhaka and Seed Technologist & Regulation Specialist	01730013391
6	Mr. Mir Nurul Alam Director	Planning, Project Implementation and ICT Wing, DAE, Dhaka	01755507728
7	Mr. Md Khairul bashar Director	Seed Certification Agency, Gazipur	01720379535
8	Dr. Md. Abdul Khaleque CSO	Seed Technology Division, BARI, Gazipur	01712768569
9	Md. Ahsan Ullah AD & Consultant (PRA)	BPAE Project, DAE, Dhaka	01715041099
10	Dr. Md. Jamil Hasan PSO & Head	Hybrid Division, BRRI, Gazipur	01718289331
11	Sarder Md. Salauddin Joint Director (Ret.)	Horticulture, BADC, Dhaka	01712406777
12	Dr. Md. Shariful Islam Deputy Director (Agronomy)	NATA, Gazipur	01743051115
13	Md. Azim Uddin Chief Seed Technologist	Seed Wing, MoA	01556341143
14	Md. Hasan Kabir Deputy Director (Finance)	Seed Certification Agency, Gazipur	01625805717
15	Dr. Shukdev Kumar Das DD (Planning & Evaluation),	Seed Certification Agency, Gazipur	01720078274
16	Md. Shahidul Islam Chief Seed Technologist	NST Lab., SCA, Gazipur	01924084994
17	Dr. Md. Abdul Mazed Deputy Director (LR)	Attached to NATA, Gazipur	01814849190
18	Dr. Md. Sadek Deputy Manager	Seed Marketing, BADC, Dhaka	01915448929
19	Khabirunnahar, Sr. Ast. Director (Pulse and Oil Crops)	NATA, Gazipur	01733995286
20	Jharna Begum, Sr. Ast. Director (Field Crop Pest)	NATA, Gazipur	01716227489
21	Nilufa Akhtar, Sr. Asst. Director (Food Processing Technology)	NATA, Gazipur	01719174775

Training Schedule

Day-1: 28/10/2018 (Sunday)

Time	Topic/Session	Speaker/Facilitator
08:45 - 09:15	Registration	Mrs. Sadekunnahar, Demonstrator, NATA
09:15 - 09:30	Pre-evaluation/perception test	Hafsa Khatun, Sr.AD, NATA
09:30 - 09:35	About training norms & formation of PMC	Khabirunnahar, Sr.AD, NATA
09:35 - 09:55	Inaugural ceremony	DG/Directors, CC, ACC & Faculty Members
09:55 - 10:55	Seed science and technology: Conceptual issues of seed and seed quality	Prof. Dr. M. Moynul Haque, Dean, Faculty of Agriculture, BSMRAU
10:55 - 11:15	Tea Break	
11:15 - 12:15	Concept on quality seed, seed dormancy and seed/quality enhancement	Do
12:20 - 01:20	Seed system and status of quality seed in Bangladesh & abroad	Md. Shahjahan Ali, MD (Ret.), BSFIC & Seed Technologist and Regulation Specialist
01:20 - 02:30	Prayer & Lunch	
02:30 - 03:30	Seed quality control mechanism in Bangladesh and abroad	Do
03:40 - 04:40	Seed generation and seed certification system in Bangladesh	Dr. Mohammad Shariful Islam DD (Agronomy), NATA

Day-2: 29/10/2018 (Monday)

Time	Topic/Session	Speaker/Facilitator
09:20 - 09:35	Review of previous day	Hafsa Khatun, Sr.AD, NATA
09:35 - 10:35	Field inspection of cereal crops and field & seed standard of notified crops	Dr. Mohammad Shariful Islam DD (Agronomy), NATA
10:35 - 10:55	Tea Break	
11:00 - 12:00	Field counting in rice seed crop (practical)	Do
12:10 - 01:10	Varietal types and methods of their development	Prof. Dr. Md. Golam Rasul Dept. of Genetics & Plant Breeding, BSMRAU
01:10 - 02:30	Prayer & Lunch	
02:30 - 03:30	Maintenance of nucleus and breeder seed of rice and other crops	Do
03:40 - 04:40	Variety release and registration mechanism in Bangladesh	Khabirunnahar, Sr.AD (Pulse & Oil Crops), NATA

Day-3: 30/10/2018 (Tuesday)

Time	Topic/Session	Speaker/Facilitator
09:20 - 09:35	Review of previous day	Khabirunnahar, Sr.AD, NATA
09:35 - 10:35	National integrity and ethics in quality seed supply	Mir Nurul Alam, Director, Planning, Project Implemt. and ICT Wing, DAE
10:35 - 10:55	Tea Break	
11:00 - 12:00	Identifying characters of important varieties of notified crops	Khabirunnahar, Sr.AD (Pulse & Oil Crops), NATA
12:10 - 01:10	Special characters of important varieties of non-notified crops	Dr. Mohammad Shariful Islam DD (Agronomy), NATA
01:10 - 02:30	Prayer & Lunch	
02:30 - 03:30	General principles of seed production and review & scope of seed research & development	Dr. Md. Abdul Khaleque, CSO & Head, Seed Tech. Div., BARI, Gazipur
03:40 - 04:40	Seed production technology of hybrid rice	Dr. Md. Jamil Hasan, PSO & Head, Hybrid Division, BRRI, Gazipur

Day-4: 31/10/2018 (Wednesday)

Time	Topic/Session	Speaker/Facilitator
09:20 - 09:35	Review of previous day	Hafsa Khatun, Sr.AD, NATA
09:35 - 10:35	Special seed production techniques of important open pollinated vegetables	Prof. Dr. M. Mofazzal Hossain Dept. of Horticulture, BSMRAU
10:35 - 10:55	Tea Break	
11:00 - 12:00	Hybrid seed production technology of important vegetables	Do
12:10 - 01:10	Harvesting and seed extraction methods of different vegetables	Do
01:10 - 02:30	Prayer & Lunch	
02:30 - 03:30	Control measures of important insects of major crops	Dr. Md. Abdul Mazed, DD (LR) Attached to NATA, Gazipur
03:40 - 04:40	Seed sampling and sample preparation for testing	Dr. Mohammad Shariful Islam DD (Agronomy), NATA

Day-5: 01/11/2018 (Thursday)

Time	Topic/Session	Speaker/Facilitator
09:20 - 09:35	Review of previous day	Khabirunnahar, Sr.AD, NATA
09:35 - 10:35	Processing of seeds (drying, cleaning, grading, treatment and packaging)	Dr. Md. Sadek, Deputy Manager (Seed Marketing), BADC, Dhaka
10:35 - 10:55	Tea Break	
11:00 - 12:00	Seed preservation and storage management	Do
12:10 - 01:10	Seed marketing and distribution system in Bangladesh	Md. Salauddin, Ret. JD (Horticulture), BADC
01:10 - 02:30	Prayer & Lunch	
02:30 - 03:30	Seed business and seed enterprises development	Do
03:40 - 04:40	Seed sample registration and purity analysis	Nilufa Akhtar, Sr. Asst. Director (Food Processing Technology), NATA

Day-6: 02/11/2018 (Friday): Weekly Holiday**Day-7: 03/11/2018 (Saturday)**

Time	Topic/Session	Speaker/Facilitator
09:20 - 09:35	Review of previous day	Hafsa Khatun, Sr.AD, NATA
09:35 - 10:35	Seed moisture content, vigour and viability test	Md. Hasan Kabir DD (Finance), SCA, Gazipur
10:35 - 10:55	Tea Break	
11:00 - 12:00	Seed germination test and seedling evaluation	Do
12:10 - 01:10	Control measures of important diseases of major crops	Prof. Dr. Md. Abu Ashraf Khan Dept. of Plant Pathology, BSMRAU
01:10 - 02:30	Prayer & Lunch	
02:30 - 03:30	Seed health test: Materials and testing procedure	Do
03:40 - 04:40	Seed market monitoring and mobile court enforcement	Dr. Shukdev Kumar Das, DD (Planning & Evaluation), SCA, Gazipur

Day-8: 04/11/2018 (Sunday)

Time	Topic/Session	Speaker/Facilitator
09:20 - 09:35	Review of previous day	Dr. Shariful Islam, DD (Agronomy), NATA
09:35 - 10:35	Seed purity analysis (practical)	Md. Shahidul Islam Khan CST, NST Lab., SCA, Gazipur
10:35 - 10:55	Tea Break	
11:00 - 12:00	Seed moisture content, vigour and viability test (practical)	Do
12:10 - 01:10	Seed setting for germination test and seedling evaluation (practical)	Do
01:10 - 02:30	Prayer & Lunch	
02:30 - 03:30	Identification of seed borne pathogens of major crops (practical)	Dr. Md. Ashik Iqbal, SSO, BRRI, Gazipur
03:40 - 04:40	Control measures of pests in seed storage	Jharna Begum, Sr. Asst. Director (Field Crop Pest), NATA

Day-9: 05/11/2018 (Monday)

Time	Topic/Session	Speaker/Facilitator
09:00 - 09:30	Visit to breeder seed production plot, BRRI, Gazipur	Representative Officers, BRRI
09:50- 10:20	Visit to seed processing centre, BADC, Gazipur	Representative Officers, BADC
10:20 - 10:35	Tea Break	
11:00 - 01:00	Visit to R & D Farm, Lal Teer Seed Ltd., Bason, Gazipur	Representative Officers, LTSL
01:00 - 02:00	Prayer & Lunch	
02:00 - 03:00	Visit to R & D Farm, Lal Teer Seed Ltd., Bason, Gazipur	Do
03:30 - 04:30	Preparation of presentation of group assignment on visit	All participants

Day-10: 06/11/2018 (Tuesday)

Time	Topic/Session	Speaker/Facilitator
09:00 - 10:00	The National Seed Policy, the Agriculture Policy (Seed related) and the Nursery Guidelines of Bangladesh	Md. Azim Uddin, CST, MoA / Dr. Shariful Islam, DD, NATA
10:05 - 11:05	Overview of the Seed Act of Bangladesh in comparison to abroad	Md. Khairul Bashar, Director, SCA, Gazipur
11:05 - 11:20	Tea Break	
11:25 - 12:25	The Seed Rules of Bangladesh and problems in its enforcement	Md. Khairul Bashar, Director, SCA, Gazipur
12:30 - 01:30	Salient features of the Plant Quarantine Act & the Plant Quarantine Rules of Bangladesh	Md. Ahsan Ullah, AD, DAE, Dhaka / Dr. Shariful Islam, DD, NATA
01:30 - 02:30	Prayer & Lunch	
02:30- 03:15	Group work/assignment presentation	Chairman of the session & Faculty Members
03:15 - 03:45	Post-evaluation/perception test and course evaluation	Course Coordinator and ACC
03:45 - 04:30	Closing Ceremony	DG/Directors, CC, ACC & Faculty Members

*This schedule is subject to change.

List of participants

SL.	Name	Designation	Mobile and Email
1	MD. ABDULLAH AL NOMAN	Agriculture Extension Officer, Upazila Agriculture Office, Kaliganj, Jhenaidah	01736602631 nomansau69@gmail.com
2	MD. AHSANUL HAQUE	Agriculture Extension Officer, Upazila Agriculture Office, Shahjadpur, Sirajgonj	01723948277 ahsanulsau@gmail.com
3	TANZILA RAHMAN	Agriculture Extension Officer, Upazila Agriculture Office, Sadar, Gazipur	01670014124 almueez208@gmail.com
4	MASUD PARVEZ	Agriculture Extension Officer, Upazila Agriculture Office, Sadar, Cox's Bazar	01722552734 parvezrock4@gmail.com
5	MARJINA AKTHER (MUNNI)	Agriculture Extension Officer, Upazila Agriculture Office, Netrokona Sadar, Netrokona	01721697679 marjinadae@gmail.com
6	MD. ABDUL MATIN	Agriculture Extension Officer, Upazila Agriculture	01731453344 krishibid.matin@gmail.com

SL.	Name	Designation	Mobile and Email
		Office, Khoksa, Kushtia	
7	MUHAMMAD MORSHED ALAM	Agriculture Extension Officer, Upazila Agriculture Office, Adarsha Sadar, Cumilla	01734995818 sophisticated.id14@gmail.com
8	ABU SALEK	Horticulturist, Horticulture Center, Natore	01724392261 asbau09a@gmail.com
9	MOST. ARIFUNNAHAR	Scientific Officer, Plant Pathology Division, BARI, Gazipur	01719247502 bonitplpa@yahoo.com
10	MD. MIZANUR RAHMAN	Scientific Officer, Horticulture Research Center, RARS, BARI, Moulvibazar	01911884287 mizan_sau1057@yahoo.com
11	MD. TOWHIDUL KARIM	Assistant Manager, Seed Distribution Division, BADC, Krishi Bhavan, Dhaka	01868565622 towhidulkarim91@gmail.com
12	MD. MAHMADUL HASSAN KHAN	Assistant Director, BADC, Pabna	01717412887 mhksumon07@gmail.com
13	MD. MAMUNUR RASHID	Scientific Officer, RSRS, BSRI, Thakurgaon	01724861861 mamun.sau67@gmail.com
14	Z.M. RAKIBUL ISLAM	Cotton Development Officer, Cotton Development Board, Mymensingh Zone	01717385469 torun2844@yahoo.com
15	MD. SHARIFUL ISLAM	Assistant Engineer, BMDA, Rajshahi	01712536768 ae_tanore_raj@bmda.gov.bd
16	MD. MAHMUD AL NOOR	Scientific Officer, BINA, Mymensingh	01797371659 alnoormahmud4@gmail.com
17	MD. MUKUL MIA	Scientific Officer, Breeding Division, BJRI, Dhaka	01520053088 mukulbjribreeding@gmail.com
18	SEFAT-E-JAMAL	Seed pathologist, Seed Certification Agency, Gazipur	01710583348 pathologist.1@sca.gov.bd
19	MD. ARIFUZZAMAN	Seed Analyst, Seed Certification Agency, Gazipur	01710540789 arifsau2839@gmail.com
20	MD. RAZIB HOSSAIN	Seed Analyst, Regional Seed Certification Office, Chattogram	01735635656 razib321@gmail.com
21	MD. SABER ALAM	Seed Certification Officer, District Seed Certification Office, Chapainawabganj	01757336683 md.saber.ag@gmail.com
22	MD. RUHUL AMIN	Seed Pathologist, Regional Seed Certification Office, Rangpur	01755386140 ruhulsau222@gmail.com

7. Training method and material

a) Method

Lecture and discussion, practical, field visit, group work, question & answer, etc.

b) Material

Multimedia, white board & marker, VIP card, different sample, etc.

8. Sports and recreation

The academy has a recreation room with a colour TV in the dormitory and two daily newspapers are available there for the participants.

9. Course Evaluation by the Participants

ক্রম নং	কর্মসম্পাদন সূচক	অসাধারণ (১০০%)		অতিউত্তম (৯০%)		উত্তম (৮০%)		চলতিমান (৭০%)		চলতিমানের নিম্নে (৬০%)	
		জন	%	জন	%	জন	%	জন	%	জন	%
ক.	নিরবচ্ছিন্ন প্রশিক্ষণ সুবিধা	৬	২৭	৯	৪১	৬	২৭	১	৫	-	-
খ.	পরিচ্ছন্নতা	৮	৩৬	৮	৩৬	৪	১৮	২	৯	-	-
গ.	সুষ্ঠু খাবার ব্যবস্থাপনা	৬	২৭	৯	৪১	৬	২৭	১	৫	-	-
ঘ.	লাইব্রেরী সুবিধা	২	৯	৩	১৪	৪	১৮	৩	১৪	৪	১৮
ঙ.	অডিও ভিজুয়াল সুবিধা	৭	৩২	৭	৩২	৬	২৭	৫	২৩	১	৫

10. Pre and post perception/evaluation test report (Full marks -100)

Sl. No.	Participants and designation	Address	Marks obtained		Comments
			Pre- test	Post- test	
1.	MD. ABDULLAH AL NOMAN	Agriculture Extension Officer, Upazila Agriculture Office, Kaliganj, Jhenaidah	৪৮	৮৪	
2.	MD. AHSANUL HAQUE	Agriculture Extension Officer, Upazila Agriculture Office, Shahjadpur, Sirajgonj	৫০	৮০	
3.	TANZILA RAHMAN	Agriculture Extension Officer, Upazila Agriculture Office, Sadar, Gazipur	২৪	৮৫	
4.	MASUD PARVEZ	Agriculture Extension Officer, Upazila Agriculture Office, Sadar, Cox's Bazar	৬০	৬২	
5.	MARJINA AKTHER (MUNNI)	Agriculture Extension Officer, Upazila Agriculture Office, Netrokona Sadar, Netrokona	৪৪	৭৯	

6.	MD. ABDUL MATIN	Agriculture Extension Officer, Upazila Agriculture Office, Khoksa, Kushtia	৪০	৭৪	
7.	MUHAMMAD MORSHED ALAM	Agriculture Extension Officer, Upazila Agriculture Office, Adarsha Sadar, Cumilla	৪৮	৮০	
8.	ABU SALEK	Horticulturist, Horticulture Center, Natore	৪৪	৭৫	
9.	MOST. ARIFUNNAHAR	Scientific Officer, Plant Pathology Division, BARI, Gazipur	২৪	৮২	
10.	MD. MIZANUR RAHMAN	Scientific Officer, Horticulture Research Center, RARS, BARI, Moulvibazar	২০	৭৮	
11.	MD. TOWHIDUL KARIM	Assistant Manager, Seed Distribution Division, BADC, Krishi Bhaban, Dhaka	২০	৭৮	
12.	MD. MAHMADUL HASSAN KHAN	Assistant Director, BADC, Pabna	২৪	৭৮	
13.	MD. MAMUNUR RASHID	Scientific Officer, RSRS, BSRI, Thakurgaon	২৮	৬২	
14.	Z.M. RAKIBUL ISLAM	Cotton Development Officer, Cotton Development Board, Mymensingh Zone	৪৮	৬০	
15.	MD. SHARIFUL ISLAM	Assistant Engineer, BMDA, Rajshahi	৪০	৬২	
16.	MD. MAHMUD AL NOOR	Scientific Officer, BINA, Mymensingh	৬০	৮০	
17.	MD. MUKUL MIA	Scientific Officer, Breeding Division, BJRI, Dhaka	৪৪	৮২	
18.	SEFAT-E-JAMAL	Seed pathologist, Seed Certification Agency, Gazipur	৪৪	৭৯	
19.	MD. ARIFUZZAMAN	Seed Analyst, Seed Certification Agency, Gazipur	৪৪	৭৮	
20.	MD. RAZIB HOSSAIN	Seed Analyst, Regional Seed Certification Office, Chattogram	৪৪	৬০	
21.	MD. SABER ALAM	Seed Certification Officer, District Seed Certification Office, Chapainawabganj	৪০	৮৫	
22.	MD. RUHUL AMIN	Seed Pathologist, Regional Seed Certification Office, Rangpur	৩৬	৬১	
Average			৩৯.৭	৭৪.৯	

11. Concluding session

a) Feedback from the participants

After completion of the training two participants were asked to give their opinion on the training course on behalf of the twenty five participants. The feedbacks from the participants are given below:

The training course was time demanded. The topics were contemporary. Selected resource persons were skilled, knowledgeable and experienced of their concerned topic. Time

management during the course was appreciable. The training program was carried out in a disciplined way. Residential and dormitory facilities were good enough. There was five minutes break between two sessions to energize the participants. It would be better if more practical classes were included in the course. Duration of the course should be increased and number of session should be decreased. It would be better if the lecture sheets are provided prior to the session starts.

b) Speech by the Chairperson

"Good seed, Good crop". Seed is the basic input on which the effectiveness of other inputs depends. Quality seed alone can give an increased production to the extent of 15-20% over the poor quality seed. At present about 20 % quality seed are supplied from public and private sector. Rest about 80% seeds used by the farmers is of their own which are of unknown quality or of poor quality. By using poor quality seeds farmers are getting poor yield which is the loss of the individual farmer as well as greater loss of the nation. Hope this training programme will enrich the participants with quality seed production and management techniques. The participants will be able to apply the acquired knowledge and skill in their respective working place.

c) Awarding of the certificate

The certificates are distributed among the participants after successfully completion of the training.

12. Recommendation by the course management team

- a) Duration of the course should be increased according to the need of the participants.
- b) Management of dormitory and cafeteria should be improved for providing proper services.

Speech by the Chairperson

To feed 160 million people of the country and to achieve sustainable food and nutrition security, we must develop high quality seed to increase yield. Quality seed is the main prerequisite for higher yield. Such as trueness to species and variety, capacity for high germination, free from diseases and free from admixture. Ensuring use of quality seed, crop production can be increased to an extent of 15-20%. This training program is time demanded. The participants will be able to apply their acquired knowledge and skill in their respective areas. Wish all of the participant's sound health and safe return to their work place.