



RESEARCH
PROGRAM ON
Dryland Systems



AVRDC
The World Vegetable Center



ICARDA
Science for Better Livelihoods in Dry Areas

Activity Report

Workshop

Production of High Quality Mungbean Seed

11 December 2015: Kuva, Fergana, Uzbekistan



**Organized by
CRP Dryland Systems
The World Vegetable Center (AVRDC)
and
International Center for Agricultural Research in the Dry Areas
Central Asia and the Caucasus Regional Program
Tashkent, Uzbekistan**

Citation:

Mavlyanova, R, and R.C. Sharma 2015. Producing of the high quality mungbean seeds. Workshop Report. ICARDA, Tashkent, Uzbekistan

Training Workshop details

A one day workshop on “*Production of high quality mungbean seed*” for the farmers and specialists in Kuva District of Fergana, Uzbekistan was organized on 11 December 2015 in Kuva, Uzbekistan. The workshop was organized within the framework of CRP-DS activity on “Seed Systems” in the Fergana Action Site in Central Asia. The event was jointly organized by AVRDC, ICARDA-CAC, and the District Administration of Kuva district, Uzbekistan.

Objective

The workshop was organized to make mungbean seed producers aware of the production technology, post-harvest care, plant protection measures, inspection, and certification requirements of different grades of mungbean seed. This information was expected to strengthen seed producers’ capacity in production of quality mungbean seed.

Participants: 31 (22 men and 9 women)

The participants included men and women mungbean farmers and seed producers from Kuva district who are either currently involved in collaborative activity within CRP-DS or plan to produce mungbean seed from the next year.

Workshop delivery

- The workshop was organized according to the program given in Annex 1. The following specialists participated in presentations and discussions during the workshop.

Dr. Ravza Mavlyanova – Regional Coordinator, World Vegetable Center, Tashkent

Dr. Amir Amanov – Director, Uzbek Research Institute of Plant Industry

Dr. Ram Sharma – Breeder, ICARDA, Tashkent

Kurvanali Sharipov – Agronomist, Water Users’ Association, Kuva

- The workshop was opened by Mr. Abduvali Isakhonov, the Deputy Head of the Kuva district, who welcomed the participants and thanked ICARDA and AVRDC to organizing a very useful event to strengthen the capacity of mungbean farmers and seed producers to produce quality mungbean seed. He highlighted the importance of food security and related policy on diversified agriculture production. Mungbean is a popular crop but local varieties do not meet crop intensification need due to long maturity period and low yield. The government is emphasizing on increasing the export potential for agricultural crops. There is a potential to export mungbean grain, as new mungbean varieties tested during the last two years have shown good results. In 2015 four farmers farms produced around 12.5 tons of mungbean seeds for further distribution to other farmers for seed multiplication to expand mungbean sowing area up to 1000 ha in 2016.
- The representative of the Cabinet of Ministers of Uzbekistan Prof. Amir Amanov pointed out the government strategy on a food safety, and sustainable and

diversified agricultural development. He told that Kuva district would likely be the first district in the republic to undertake mungbean seed production on the State level. Also, he expressed thanks to ICARDA/AVRDC for developing new varieties and undertaking activity on mungbean seed production and strengthening cereals-mungbean production system in the district. This initiative would also benefit other regions of the republic.

- The subject matter specialists highlighted various aspects of mungbean seed production including the followings.
 - New mungbean varieties and their characteristics
 - Production practices for high quality seed
 - Plant protection measures
 - Post-harvest care and storage
 - Field inspection and certification of different quality grades of mungbean seed.
- Dr. Ravza Mavlyanova, presented morphological and biological features of new mungbean varieties and differences among new varieties for cultivation as main and repeated crop. She also presented necessary documentation for probation of mungbean seed production field and instructed the participants how to fill the seed certification forms.
- The head of the Kuva district's "Farmers' Council" made presentation about the agro-technology of new mungbean varieties on farms and their harvesting by combine machine.
- Mr. Kurvonali Sharipov, agronomist of the Water Users Association of Kuva district made presentation about the features of mungbean seed probation, including time of sowing, cultural practice, fertilizers, irrigation and harvest. He shared his experience about a field probation for mungbean seed production.
- Information booklet on mungbean variety and seed production, developed for this training, as well as other resource materials were provided to the participants.
- Following the presentations, the participants raised many questions related to seed production, storage and marketing of mungbean seed. They also queried about the future support from ICARDA, AVRDC and local administration to strengthen seed producers' capacity, facilities for seed storage and marketing of seed to other parts of Uzbekistan.
- The workshop was closed with the vote of thanks from the local administration and the participants to AVRDC and ICARDA.

Outcome:

- Capacity of 31 farmers (21 men and 9 women) strengthened in mungbean seed production.

Resource materials:

1. Production technology of new mungbean cultivars under Ferghana province conditions. A booklet in Russian
2. Boltayev, B. S., Sulaymonov, B. A., Mavlyanova, R. F., Kholmurodov, E. A., Rustamova, I. B. - “Pests and diseases of vegetable crops and their control methods”. Manual, Tashkent State Agrarian University, AVRDC – The World Vegetable Centre and ICARDA-CAC, Tashkent, 2014. 16 pages (in Russian)

Annex 1

Program of
The training workshop
“Production of High Quality Mungbean Seed”
Kuva District, Fergana Region.
11 December, 2015

Time	Presentations	Name of speaker
9:30- 10:00	Registration	
10:00 – 10:20	Opening ceremony Welcome words	Abduvali Isakhonov, Kuva District deputy khokim Dr. Ram Sharma, Senior Breeder, ICARDA (Tashkent).
10:20- 0:40	New varieties of mungbean. Agronomic practices features of the mung bean cultivation	Dr. Ravza Mavlyanova, ICARDA/AVRDC
10:40- 11:00	Agronomic practices of the seed crops production: scheme of sowing, fertilizers, plant protection against pests, diseases and weeds, harvesting	Kurvanali Sharipov, agronomist
11:00- 11:30	Post-harvest processing of crops and seed storage features	Representative from Plant Protection Department of the Kuva District.
11:30 – 12:00	National outlook of mungbean crop and its seed production	Dr. Amir Amanov, Director, Uzbek Research Institute of Plant Industry
12:00- 12:20	Documentation for primary and elite seed production of mungbean	Dr. Ravza Mavlyanova, ICARDA/AVRDC
12:20- 12:50	Practical exercises for completing documentation for the seed production fields of mungbean	Dr. Ravza Mavlyanova, ICARDA/AVRDC
12:50- 13:30	Discussion. Question and answers. Final words.	Dr. Ram Sharma, ICARDA, Tashkent

Annex 2

Participant farmers in the training workshop on “Production of High Quality Mungbean Seed” 11 Decmber 2015, Kuva, Uzbekistan

	Name of participant	Gender	Working organization	Position	Contact information
1	Akhmedov Jamolidin	Male	Takontepa farm	Head	(+99891) 644 04 60
2	Akhmedova Fazilot	Female	Dokhkun farm	Head	(+99891) 655 29 53
3	Aliboeva Khalisakhon	Female	Farm (Kuva District, Pastki Khuja Khasan str, h# 67)	Head	(+99891) 675 33 57
4	Ibragimov Kakhramon	Male	Kakhramon Davlat Sakhobati farm	Head	(+99890) 272 37 13
5	Isakhonov Abduvali	Male	Kuva District Regional Administartion (khokimiyat)	Deputy head	(+99891) 398 10 63
6	Isakhonov Ilkhom	Male	Boyistonota farm	Head	(+99891) 116 51 12
7	Juraeva Zukhrakhon	Female	Mukhitdinov Agricultural Union, Mikhri farm	Head	(+99895) 285 12 53
8	Kazakov Saibjon	Male	Farm (Kuva District, Khuja Khasan str)	Head	(+99890) 390 22 87
9	Khamrakulov Rustam	Male	Jasurbek Nodirbek farm	Head	(+99891) 272 80 05
10	Khatamova Nargiza	Female	Khatamov farm	Head	(+99890) 537 05 88
11	Khojimatov kbarali	Male	Mirzarokhimkhojimat Farm	Head	-
12	Kholbekov sadullo	Male	Odilbek Valijon farm	Head	(+99890) 157 70 02
13	Kurbonov Temur	Male	Dekhkunobof farm	Head	(+99897) 108 25 10
14	Kurbonov Zafarbek	Male	Shakhrinisso Kurbonova farm	Head	(+99890) 532 07 57
15	Maksudov Azizbek	Male	Odilbek Valijon farm	Counter	(+99890) 408 73 67
16	Marupov Azizbek	Male	Farm	Head	(+99891) 667 80 90
17	Matmusaev Akhrorbek	Male	Namuna Agricultural Union, Tolmozor farm	Head	(+99890) 409 00 79
18	Matmusaeva Ezozkhon	Female	A.Matmusaev farm	Head	(+99890) 409 00 79
19	Mirzaalieva Anora	Female	Kuva District Fair	Head	(+99891) 282 95 96
20	Mirzaalieva Lolakhon	Female	Abdurazokov farm	Head	(+99891) 632 63 12
21	Mirzaalieva Mukhnisa	Female	Farm (Kuva District, Rovot street)	Head	(+99891) 282 62 22
22	Murzaliev Marakhim	Male	Regional Irrigation Union, Kodirjon Azamjon farm	Specialist, Head of farm	(+99891) 632 63 13
23	Rakhmonberdiev Asali	Male	Kaiyrima farm	Head	(+99890) 408 39 51
24	Rustamov Ozodbek	Male	Sadridin Rustamov	Head	(+99890) 563 42 82
25	Sharipov Kurvonali	Male	Nuroni Regional Agricultural Organization	Agronomist	(+99891) 632 63 13
26	Sobirov Khasanbay	Male	Mamlakat Boburmurod farm	Head	(+99891) 396 57 27
27	Tilavoldieva Khanifa	Female	Mukhitdinov Karim farm	Head	(+99890) 328 07 90
28	Tillaev Dilshod	Male	Kuva Oltin Khumo farm	Head	(+99891) 658 00 62
29	Tojimatov Murodil	Male	Fozilov Akhmadali Murod farm	Head	(+99890) 163 38 12
30	Toshpulatov Muborak	Male	Toshpulatov Ganijon farm	Head	(+99890) 282 04 10
31	Tursunov Zafarbek	Male	Namuna Agricultural Union, Yanshik farm	Head	(+99890) 302 10 09

Total: 31 Male: 22 Female: 9