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Report on Training of Trainers Course on Community Based Seed Production and Marketing of Faba Bean, Malt Barley and Chickpea, 12-13 June 2015 at Kulmsa Agricultural Research Center, Asella, Ethiopia

Introduction

Seed shortage and limited access to improved technologies are among major bottlenecks of increasing production in faba bean, malt barley, and chickpea. Addressing the seed shortage and increasing adoption rates of those crops through integration of community based seed multiplication and technology scaling up can enhance the overall production and productivity.

The International Center for Agricultural Research in Dry Areas (ICARDA) is implementing two projects namely *'Deployment of Malt Barley and Faba Bean Varieties and Technologies for Sustainable Food and Nutritional Security and Market Opportunities in the Highlands of Ethiopia'* and *'Better livelihoods for small holder farmers through knowledge based technology interventions in the highlands of Ethiopia: Increasing the productivity of chickpea in wheat-based cropping system'* with the financial support from the USAID. Both projects involve scaling up of improved technologies and vigorous community based seed production and marketing. The projects are to be implemented in four regional states such as Amhara, Oromiya, SNNPR, and Tigray.

Course objectives

1. To sensitize subject matter specialists, development agents, and seed producer cooperatives leaders on significance of faba bean, malt barley and chickpea technologies,
2. To introduce and create awareness on community based seed multiplication principles and practices,
3. To establish linkage with and introduce the project objectives to the working group, and
4. To assimilate planned technology scaling up activities at local level.

Expected outputs

1. Participants clearly understand existing faba bean, malt barley and chickpea technologies;
2. Participants clearly understand the conceptual framework of community based seed multiplication on faba bean, malt barley and chickpea,
3. Linkage established and project objectives clearly understood at grassroots level, and
4. Technology scaling up and community seed multiplication activities assimilated to the *wereda* development work plan.

Course contents

The course program was designed to be participatory in such a way that resource persons and trainees make practical experience sharing discussions along with each training topic lecture given by the respective resource person. Thus, it was confirmed trainees understood and gained practical knowledge from experience sharing discussion they made at each training topic presentation. Practical display on different options of treating faba bean seeds with bio-fertilizer was also presented. Instead of going out for field visit of Borru Seed Producers Cooperative, Chairman of Tuqa Ketar Seed Producers Cooperative, Mr Girma



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Kebede, was given the opportunity to share the experiences of Community Based Seed Production System and seed marketing. Finally, slide presentations of the course and leaflet on faba bean seed production and storage standards were made available to trainees for their reference. The major emphasis of the course was to make trainees have knowledge of available technologies and their utilization, community based seed production and technology scaling up that finally facilitated linkage for implementation. Detail composition of the course is presented in Annex 1. In the second training that will be held in August 2015 at Bahir Dar, marketing component will be emphasized.

Course participants

The training course in 12-13 June 2015 was mainly organized for researchers, subject matter specialists/experts and leaders of seed producing cooperatives in selected districts of Debre Birhan ARC, Areka ARC, Worabe ARC, Debre Zeit ARC, Holetta ARC, Kulmsa ARC, and Sinana ARC in three regional states (Amhara, Oromia, and SNNPR) in central and southern highlands of Ethiopia. Moreover, five researchers (one researcher from each of Adet ARC, Alamata ARC, Gondar ARC, Mekele ARC, and Srinka ARC) in northern parts of Ethiopia were invited so as to get feedbacks about implementation progress of planned activities of the two projects and establish linkage. All trainees were selected on their relatively large involvement in community based seed production and scale up activities. A total of 35 trainees were expected even though only 22 attended (Annex 2; Photo 1, 2, 3). Most of subject matter specialists/experts from selected districts did not attend the training because of overlapped commitments. This training with more participants from research centers in northern parts of Ethiopia is planned to be held at Bahirdar in August 2015.

Course organization and funding

Training of Trainers Course on Community Based Seed Production and Marketing of Faba Bean, Malt Barley and Chickpea was organized in close collaboration with Kulmsa Agricultural Research Center of EIAR, which provided facilities such as fully equipped conference room and transport bus in addition to facilitating accommodation, meal and refreshment arrangements. The training was funded by finance from USAID supported Malt barley-Faba bean project of ICARDA.

Course Initiation and facilitation

This training course was initiated and facilitated by Dr Zewdie Bishaw from ICARDA and Mr Karta Kaske from Kulmsa ARC, both working in Chickpea and Malt barely-Faba bean projects of USAID-ICARDA. This training course was timely initiated and implemented so as to make common understanding and linkage for the success of planned activities of the two projects.

Acknowledgement

Financial support of USAID-ICARDA and logistical support of Kulmsa ARC of EIAR are highly acknowledged. Mr Karta Kaske prepared leaflet on faba bean seed production and storage standards that was distributed to trainees.



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Annex 1: Program for Training of Trainers Course on Community Based Seed Production and Marketing of Faba Bean, Malt Barley and Chickpea

Time	Presentation	Presenter
The First Day, 12 June 2015		
8:30-9:00	Registration	All
9:00-9:15	Self-introduction of participants and discussion on course program	All
9:15-10:45	Faba bean and chickpea varieties and agronomic management	Dr Asnakech Tekalign
10:45-11:15	Health break	Organizers
11:15-13:00	Malt barley varieties and agronomic management	Dr Adamu Molla
13:00-14:00	Lunch	Organizers
14:00-15:30	Principles and techniques of seed production and post-harvest handling of faba bean, chickpea and malt barley	Mr Karta Kaske
15:30-16:00	Health break	Organizers
16:00-17:00	Integrated pest management and pesticide use	Dr Kemal Ali
The Second Day, 13 June 2015		
8:30-10:45	Community based seed multiplication: conceptual framework and approaches	Dr Chilot Yirga
10:45-11:15	Health break	Organizers
11:15-12:15	Bio-fertilizer production and utilization	Dr. Asfaw Hailemariam
12:15-13:30	Discussion on feedbacks of 2015 work plans	Dr Adamu Molla
13: 30-14:30	Lunch	Organizers
14:30-16:30	Field visit to seed producer cooperative (Borru)	All



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Photo 1: Trainees and resource persons (date indicated in the photo should be 12 June 2015; it is time setup problem)



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Photo 2: Partial view of trainees in class



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Photo 3: Partial view of trainees in class