

### **Training Workshop on weed management and forage production under no-till technology.**

The emphasis of the training course was laid to introduce conservation agriculture (CA) technologies and experiences to researchers and farmers with special emphasis on weed management, forage production and no-till drill. The training course also covered principles and supporting practices for conservation agriculture. The training was held October 30-31, 2015. The scientists/experts from the Research Institute of Farming, Research Institute of Rice, SANIIRI and farmers participated in the Training Workshop along with Instructor from ICARDA-CAC.

Speakers and Instructors for the training workshop included, Dr. Esbosin Sadykov, Bakhitbay Aybergenov, Research Institute of Farming and Dr. Aziz Nurbekov, Project Regional Coordinator, ICARDA-CAC were delivered theoretical and practical presentations on weed management, forage production under CA, crop residue retention and management, installation of no-till drill and status and promotion of conservation agriculture in the region and also in Karakalpakistan. At the end of each presentation the participants were asked to provide comments and suggestions about the presentation and they were enthusiastic in their responses. The training attendants were also given research overviews by the experimental farm of Research Institute of Farming with a focus on no-till winter wheat. At the end of the training course several farmers were interested to use no-till drill because it provides to sow double crop after winter wheat harvest in optimal sowing time which is crucial important to have two crops even three per year. During the training course several ICARDA publications, a documentary movie, and handouts on conservation agriculture, were distributed to the participants.

A field day was organized in the second day of the training workshop. The field day was held in Qorako'l settlement, Qorao'zak district.

In the field day, the participants found an opportunity to see how to install and calibrate no-till drill and some of the key concepts of weed management in this practical course. The participants also found an opportunity to enter into lively discussions with instructors on various economic and environmental aspects of CA farming in Uzbekistan. The field visit hosted by Shkhap farm where project research field is located, and Dr. Aziz Nurbekov, acted as the facilitators of the field day.

At the end of this field day participants shared with their impressions on the training course. Dr. Esbosyin Sadykov said that conservation agriculture is a call of time. He also talked about perspectives of conservation agriculture, these are as follows: CA reverses soil degradation and improves the root environment; mulching and organic matter reduce problems of salinity and alkalinity; micro-scale changes for macro-scale impact on production; and better ecosystem services. It shows that researchers and farmers of Karakalpakistan are now becoming increasingly aware of conservation agriculture practices. They were interested with above mentioned presentations because these will be a starting point for CA technologies in the country.

**List of the participants of the training course held in 30-31 October 2015, in Qorao'zak district.**

No	Name	organization name
1	Kaimbetov Nurjan	'Aral''
2	Nurimbetov Amen	Karauzak
3	Kipshakov Barlikbay	Kipshak
4	Shankiev Soken	Dauren
5	Asemov Dauren	Mayj
6	Shaukenov Kayir	"Alem"
7	Tattiev Saken	"Saken ata"
8	Naurizev Bakha	"Umrzakh ata"
9	Joldasheb Bakhit	"Subkhan Diyar"
10	Otarov Murat	"Salmankul"
11	Turgenbekov Parakhat	"Ornen"
12	Kalimbetova Narigul	"Narigul apa"
13	Kaniyazova Parida	"Meder"
14	Mirzabekov Sagindik	"Karakalpakistan"
15	Saribekova Ulbusin	"Nukus"
16	Anarbekov Khudayberdi	Karauzak rayoni"
17	Bekbulatov Samir	"Radiant"
18	Turgunov Tora	"Karakul"
19	Toksanbaev Abdiraim	"Karakul"
20	Kamalov Ziyad	"Ziyad"
21	Sagdillaev Boybosin	"Karauzakli Marjana"
22	Khakimniyazov Allaniyaz	"Yusup"
23	Toksanbaev Kamal	"Karakul"
24	Saburova Zebira	"Zabardes"
25	Esbergenov Muratbay	"Kuyeu tore"
26	Bayramov Niyatbay	"Abdulla ata"
27	Mambetkadirov Amanbay	"Amanbay uli Abdi"