

CRP-DS Action site: Aral Sea (Urgench, Khorezm)

Year 2015-2016

Activity title: Integrated land and water productivity improvement in Aral Sea basin

Reporting Center: ICARDA

Collaborator: Khorezm Rural Advisory Support Services (KRASS), Urgench

Experiment: Evaluation of wheat varieties under different crop rotations to determine interaction between varieties and crop rotation

Number of wheat varieties: 3

- Yaksart
- Turkistan
- Krasnodar-99 (Local check)

Number of crop rotation: 2

- Wheat-mungbean-Wheat
- Wheat-fallow-wheat

Objectives:

- To determine if improved winter varieties yield significant higher than the local cultivar
- To determine if there are specific requirements of wheat varieties for the two crop rotations

Progress towards experimentation:

- Experimental details finalized (given at the end of this document)
- Site selection completed (also see photographs below):
- The experimental site representing uniformity in soil type, topography and cropping history was identified in the experimental fields of the Cotton Research Institute in Urgench, Khorezm, Uzbekistan.
- ICARDA researchers and the researchers from the implementing organization Khorezm Rural Advisory Support Services (KRASS) discussed the experimental plan and selected the site.



ICARDA and KRASS researchers discussing experimental plans



Field selected for the experiment at the experiment station of the Cotton Research Institute, Urgench, Khorezm, Uzbekistan

Experimental layout is given below:

