

Training of farmers on sustainable soil management.

Nabuin ZARDI trains farmers on sustainable use of soil for crop production. These trainings are organized for farmer groups in both Teso and Karamoja sub region.



Farmer sensitization on soil management to establish improved fallows in Kaabong



Vision

"Transformed agriculture for increased incomes, food security and sustainable development in Teso and Karamoja"

Mission

"To generate, promote and disseminate appropriate agricultural technologies for improved production and productivity in the Teso and Karamoja farming systems."



**National Agricultural
Research Organization**

<http://www.naro.go.ug>



**Nabuin Zonal Agricultural Research
and Development Institute
(Nabuin ZARDI)**

Nabuin ZARDI soil project:



P.O Box 132 Moroto,
Tel: 256 0454660693/0454463663
Email: naronabuinzardi@yahoo.com
<http://www.naronabuinzardi.go.ug>
<http://www.naro.go.ug>

ABOUT US

Nabuin Zonal Agricultural Research and Development Institute (ZARDI) is a Public Agricultural Research Institute under the National Agricultural Research Organization (NARO). Its mandate is to conduct applied and adaptive agricultural research in Teso and Karamoja sub region. Nabuin ZARDI is located in Lorengedwat Sub-County in Nakapiripirit district.

The institute operates four programmes:

- Crop Research and Development,
- Livestock and Fisheries Research and Development,
- Natural Resource Management which hosts the soil project, and the
- Farming Systems and Livelihood Analysis.

Nabuin ZARDI soil project:

The Nabuin ZARDI Soil project is under the Natural Resources Management Programme. It Develops, Validates and Disseminates appropriate options for soil fertility management and water harvesting in Teso and Karamoja farming systems.

The soil project carries out the following services among others:

Soil sampling and testing

The soil samples are taken from farmer's gardens, tested and feedback on results provided.



Why Test Your Soil?

- Ø Optimize your garden productivity
- Ø Improve the soils nutritional balance
- Ø Save money by applying only required nutrients.
- Ø Aid in the diagnosis of plant growth problems.
- Ø Prevent over application of fertilizers.

Soil fertility improvement

This is achieved through using improved fallows of Mucuna (velvet bean) and Canavalia (Jack bean) legumes.

Nabuin ZARDI produces starter seed and trains farmers to multiply and manage these legumes for soil fertility improvement.



Improving soil for maize production in Nakapiripirit district
(The left was incorporated with improved fallows while the right had natural vegetation)

Advantages of improved fallows:

- Ø Improve and maintain soil fertility.
- Ø Controls soil erosion.
- Ø Restore degraded land.
- Ø Improve soil water holding capacity
- Ø Reduce the time of fallowing to just 7 month.
- Ø Important source of soil organic matter.

