



Activity: Permaculture Home gardens (A.4.10)
Locations: Karak, Madaba, Tafila and Jordan Valley.
Beneficiary: 45 families.
Purpose: To increase the awareness and train household producers on the efficient natural resource management and design of gardens through implementing permaculture principles.

Summary	Available documents
<p>Background information:</p> <p>Permaculture is an agricultural system that stresses the harmonious interrelationship of humans, plants, animals and the earth to create sustainable human environments.</p> <p>There are many elements of permaculture including: the preservation of water resources, building soil structure and fertility, production of healthy food for the use of beneficiaries and as a source of income.</p> <p>In Jordan, much of the pollution of water resources is caused by the excessive use of chemicals in agriculture in household and farms level with the mishandling of solid wastes add to the problem.</p> <p>Increasing farmers' awareness on these problems and the possible solutions through the implementation of permaculture principles will result in a positive behavioral change on the long run which will contribute in the protection of water resources.</p> <p>In addition, through the increase use of organic fertilizers as a standard procedure in the permaculture system, less water losses and better water use efficiency will be obtained.</p>	<ul style="list-style-type: none"> • Beneficiaries' agreements • Photo gallery • Lists of home gardens component
<p>Activity Implementation:</p> <p>This activity will be implemented as follows:</p> <ol style="list-style-type: none"> Select the beneficiaries according to certain selection criteria Distribution the trees, pipes, animals and metallic reservoir for the beneficiaries Planted the trees and vegetables install the drip irrigation system prepare the compost and organic pesticides 	<p style="text-align: center;">Photos</p>  
<p>Beneficiaries contribution:</p> <p>Work in the garden, prepare the land, plant the trees, plant the vegetables, prepare compost, install irrigation system, and others.</p>	

**Benefits:
Expected**

A better use and protection of water resources through:

- Reduction of chemicals' use in agriculture.
- Benefiting from intercropping systems in maximizing yield and reduce disease incidences.
- Reduction of losses of water due to leakage and evaporation by increasing the use of organic fertilizers, which will increase the water holding capacity of the soil.
- Introduction of suitable water harvesting and water reuse as alternative sources of water for the use in agriculture at home gardens level.
- Reduction of the costs of production thus increasing the profits

Actual:

The establishment of the permaculture home gardens is a very long process which will exceed the time limit for the project. The aim of the this activity is to set the bases for the implementation of permaculture principles in the target home gardens, but the complete establishment of these home gardens will take years for continuous monitoring and support provided to the beneficiaries.

Primary monitoring shows positive results in the marketing processes for the produce from these gardens in certain outlets with higher prices than the production from other systems of production

Time schedule of implementation and progress:

- Determination of requirements : 5/8/2006-5/10/2006
- Execution of work : 15/10/2006 – 15/5/2006
- Monitoring and supporting: 10/5/2006 – 31/3/2008 and beyond.



Criteria for locations/beneficiaries selection:

- Enough available free space around the house (more than 400m²)
- Locations in rural areas.
- The beneficiary is willing to work and to adopt and follow the permaculture principles and practices in his home gardens.
- The beneficiary has enough experience in agriculture and animal rising.
- The beneficiary desire to increase his income through permaculture production.
- Gender issue is taken into consideration (all family members are participating with the focus on women role in agriculture).

