

Site 1: Iaat and Deir Al ahmar

In this site two Crops will be tested: **Quinoa and Teff:**



Interventions:

- Conservation agriculture - Minimum tillage will be adopted
- Soil Amendments (biocompost, water retention product...) will be incorporated in part of the field and compared the results. crop residues at the demonstration site will be transformed in bio compost ;
- New supplementary irrigation schedule will be programmed and enhanced the water use efficiency;
- Plant growth and production will be monitored;
- Harvesting methods and grain processing will be facilitated as well as modification of existing harvesting equipment;
- Results, agricultural practices and use of grain will be disseminated;

Climate: continental Mediterranean climate of semi-arid conditions, with cold winter and long, dry and very hot summer.

Average altitudinal level: 1000 m

Average rainfall for the last 10 years: about 400 mm.

Available source of irrigation: groundwater

Irrigation methods: overhead sprinkler system for supplementary irrigation

Growing period:

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Quinoa						←————→						
Teff						←————→						

The project will collaborate with the Constituent Assembly of Iaat Irrigation Water Users Association and the women cooperative of Agro-processing in Deir Al-Ahmar.

Site 2: Yohmor

In this site two Crops will be tested: **Quinoa and Teff:**



Climate: Mediterranean climate with a mild, rainy winter and long hot and humid summer.

Average altitudinal level: 530 m

Average rainfall for the last 10 years: about 450 mm.

Available source of irrigation: None

Irrigation methods: Only Rainfed cropping

Growing period: 2 seeding periods will be tested (autumn and spring) to select the best

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Quinoa		←————→											
Teff		←————→			←————→								

Interventions:

- Conservation agriculture - Minimum tillage will be adopted
- Soil Amendments (biocompost, water retention product...) will be incorporated in part of the field and compared the results. crop residues at the demonstration site will be transformed in bio compost ;
- Soil humidity and temperature will be monitored;
- The crop will be rainfed;
- Plant growth and production will be monitored;
- Harvesting methods and grain processing will be facilitated as well as modification of existing harvesting equipment in the area;
- Results, agricultural practices and use of grain will be disseminated;

The project will collaborate with the Agricultural Cooperative in Yohmor and its surroundings, and specially with the women group inside the cooperative.