

Site 1: Lebrija – Seville (Spain)

In this site one crop will be tested: **Quinoa**



Climate: Mediterranean with strong continental and semi-arid influences due to its inland location and low elevation. With a hot, dry, and very sunny climate, with intense summers, mild winters, and limited rainfall

Average altitudinal level: 50 m

Average rainfall for the last 10 years: 420–450 mm

Available source of irrigation: groundwater

Irrigation methods: only rainfed cropping

Growing period:

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



Interventions:

- Conventional agriculture - Ploughing and harrowing
- A soil amendment (biochar or bio-compost) will be applied to very small areas (<0.5 ha) of the plot and data on its agronomic impact will be provided.
- The crop will be rainfed
- Plant growth and production will be monitored
- The new rotation system will be analyzed and compared with the typical dryland crop rotations in the area, which consist of cereals, oilseeds and leguminous
- Results, agricultural practices and use of grain will be disseminated;

The project will be developed in collaboration with the Agrifood Cooperative Campiña de Lebrija SCA and the regional umbrella representative organization of Andalusian cooperatives. The aim is to offer farmers the opportunity to expand their range of crops.