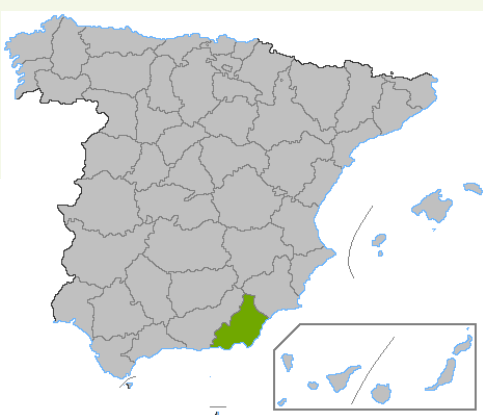


ALMERÍA STUDY SITE

EXPERIMENTAL SITE 2

TABERNAS



Almería Team: J. Morais, M Vasconcellos, V. Pinillos, JJ Hueso & J Cuevas.

PLANT MATERIAL

- Organic Olive Orchard



Soil Threats

- Desertification
- Organic matter decline
- Erosion



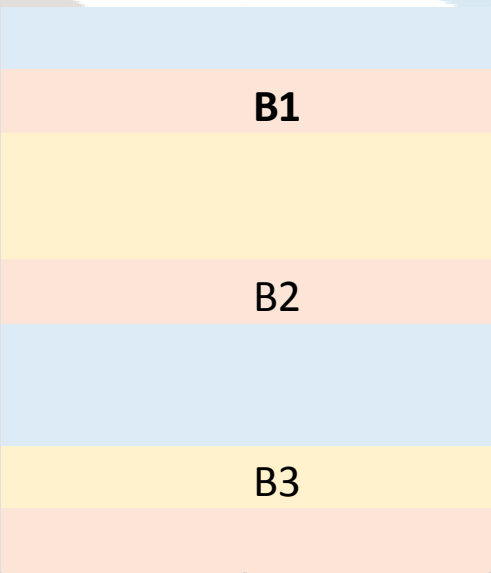
Treatments and Experimental Design

- **Two experiments under two different Irrigation Management**

First Experiment: Standard Irrigation (1443 m³). Randomized Blocks

- Minimum Tillage Bare Soil (Orange)
- Minimum Tillage after Temporary Cover Crops (Pink)
- Minimum Tillage plus Pruning Residues (Blue)

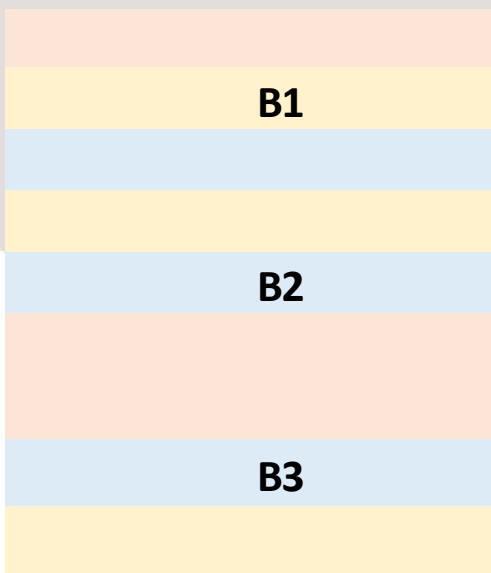
Sketch



Second Experiment: Regulated Deficit Irrigation (same 1443 m³ considering critical periods). Randomized Blocks

- Minimum Tillage Bare Soil (Orange)
- Minimum Tillage after Temporary Cover Crops (Pink)
- Minimum Tillage plus Pruning Residues (Blue)

Sketch



Parameters

- Stem Water Potential
- Water Soil Content
- Flowering and Fruit Set
- Yield
- Fatty Content
- New Shoots growth

