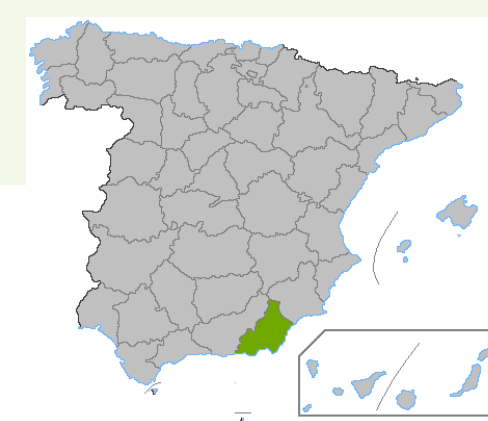


# ALMERÍA STUDY SITE

## EXPERIMENTAL SITE 1

### AGUA AMARGA



## Plant Material

- High density commercial peach orchard



## Soil threats, SICS and Objectives

- Desertification
- Wind erosion (damaging fruits)
- Organic matter decline

- Soil improving crops
- Deficit irrigation

- Reduce wind erosion
- Increase soil fertility.

## Ongoing Experiment

### Experimental design

#### ▪ Split-plot RCB design

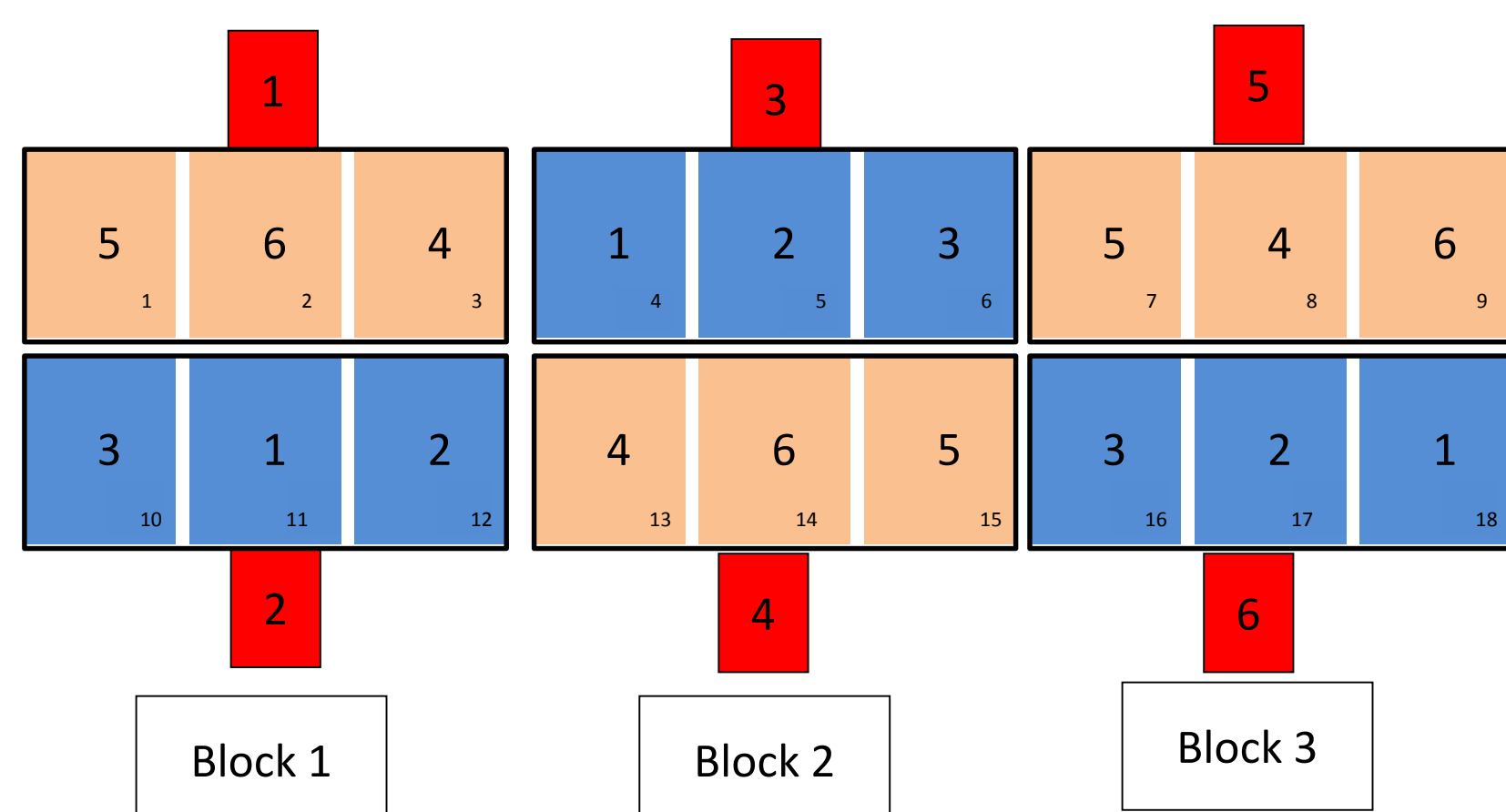
##### First factor: **Irrigation**

- Full irrigation (FI) (Control) ■
- Regulated deficit irrigation (RDI) ■

##### Second factor: **Soil management**

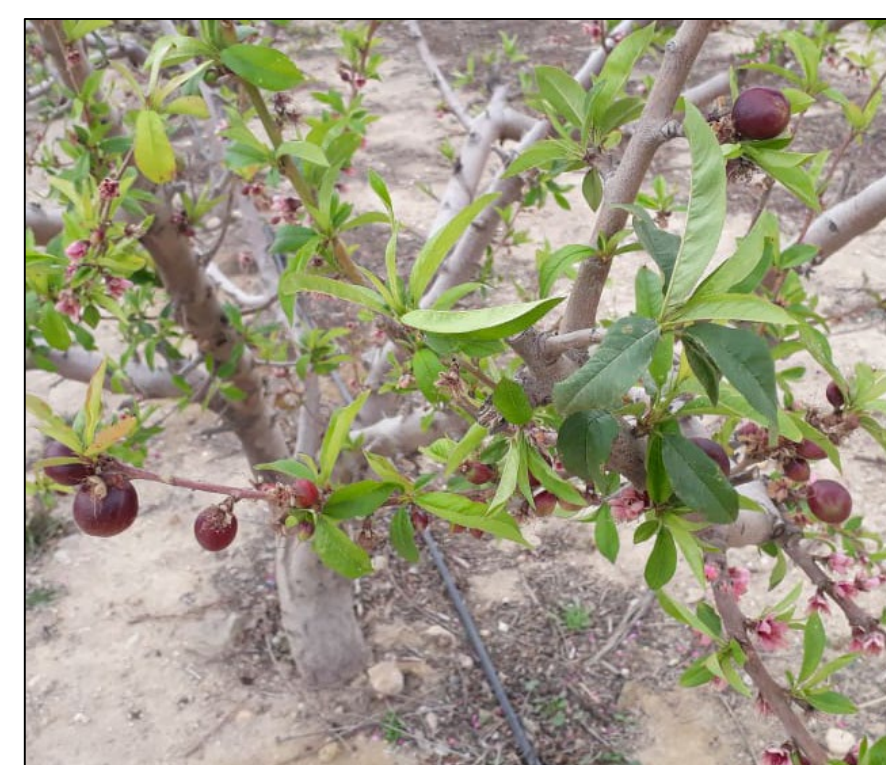
- Non-tillage (Control) (1,3)
- Temporary weeds (2, 4)
- Temporary cover crops (5,6)

#### ▪ Six treatments (3 replications/3 blocks)



### Parameters

- Water savings
- Soil water content
- Stem water potential
- Flowering and harvest date
- Fruit set and Quality
- Yield
- Pruning requirements



The **SOILCARE** project is a 5 year project aimed at identifying and evaluating promising soil improving cropping systems and agronomic techniques increasing profitability and sustainability across scales in Europe.

The SOILCARE project consortium consist of 28 partner institutes from 10 European countries. The SOILCARE project is coordinated by ALTERRA, Wageningen UR, The Netherlands.

• Starting date: March 1st 2016. • Ending date: February 28th 2020. • EU contract number: 677407

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