

Field trial 4: Holm oak mycorrhized with Black truffle at Mediterranean Continental conditions

Main features of field trial 4. Holm oak mycorrhized with black truffle at Mediterranean Continental conditions

Location	
UTM Coordinates (ED50, N31)	378.377, 4.651.404
Municipality, province	Solsona, Lleida
Altitude	672 m
Field background	
Ownership	Private land
Previous use	Agriculture (wheat, barley, alfalfa)
Physical characteristics	
Aspect	Flat
Average slope	0%
Climate features	
Mean annual temperature	11.8°C
Mean temp. warmest month	21.4°C
Mean temp. coldest month	3.7°C
Mean annual precipitation	683 mm
Summer precipitation	165 mm
Climate type (Köppen)	Csb (temperate with dry summer, mild summer heat)
Climate type (Martín-Vide)	Mediterranean continental sub-humid
Soil features	
Texture	Loamy-clayish (28 % clay, 34% silt, 38% sand)
Plantation description	
Plantation aim	Edible fungus (black truffle) production
Vegetative material chosen	Holm oak (<i>Quercus ilex</i>) mycorrhized with black truffle (<i>Tuber melanosporum</i>) FP300, 20-30 cm
Soil preparation	Crossed sub-soiling with chisel (45 cm) + soil stabilizer cylinder. Manual 40x40x40 cm pit excavation
Plantation scheme	6x6 m



Location of the field trial



Aerial view



Aspect of the field trial before planting



Aspect of the field trial once planted