

Table 1

Schematic description of the experimental design. Environmental characteristics of each experimental site, treatments (type of amendment, treatment details and code) and number of replicates (n)

Site	Amendment	Treatment	Code	n
Karrantza <i>P.radiata</i> D.don (20yr) Clayey loam soil 280m MASL mean T: 11.7°C annual rainfall: 1204mm	No addition	Control	Ctrl	4
	Biochar	9 Mg C-biochar ha ⁻¹ + 0.8% of N	BC-I+N	4
		9 Mg C-biochar ha ⁻¹	BC-I	4
		3 Mg C-biochar ha ⁻¹ + 0.8% of N	BC-L	4
	Wood ash	1.2 Mg C in wood ash ha ⁻¹ + 0.8% of N	WA-I+N	4
		1.2 Mg C in wood ash ha ⁻¹	WA-I	4
		0.4 Mg C in wood ash ha ⁻¹	WA-L	4
Oiz <i>Q.pyrenaica</i> Willd. (2yr) Sandy loam soil 760m MASL mean T: 9.5°C annual rainfall: 1078.5mm	No addition	Control	Ctrl	4
	Biochar	9 Mg C-biochar ha ⁻¹ + 0.8% of N	BC-I+N	4
		18 Mg C-biochar ha ⁻¹	BC-H	4
		9 Mg C-biochar ha ⁻¹	BC-I	4
	Wood Ash	1.2 Mg C in wood ash ha ⁻¹ + 0.8% of N	WA-I+N	4
		2.4 Mg C in wood ash ha ⁻¹	WA-H	4
		1.2 Mg C in wood ash ha ⁻¹	WA-I	4