




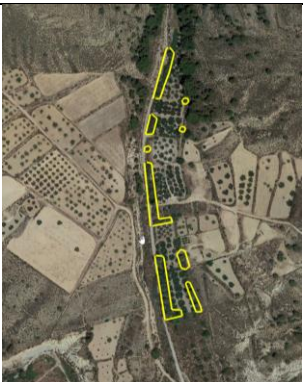






	AB	CM	LS	VE	SP
Study Site					
					
Coordinates: WGS 84	38.249465 N 1.05016 W	38.239858 N 0.714626 W	38.211721 N 0.76441 W	38.184913 N 0.693135 W	38.201358 N 1.043382 W
Dimensions of study site [m x m] (yellow frame)	313 x 28	117 x 70	242 x 170	55 x 55	16 x 6
Number of palm trees in study site	~100	~400	~1500	314	6
Phoenix species	<i>P. dactylifera</i>	<i>P. dactylifera</i>	<i>P. dactylifera</i> (one <i>P. canariensis</i>)	<i>P. dactylifera</i>	2 <i>P. canariensis</i> and 4 <i>P. dactylifera</i>
Range of palm heights [m]	4 - 15	4 - 25	1 - 35	4 - 7	6 - 8
Range of palm circumference [cm]	93 - 205	105 - 210	105 - 225	110 - 220	200 - 220

Undergrowth	30% reed, 15% thicket, 15% bare soil, 40% dead palm leaves	5% thicket, 5% bare soil, 90% cereal crop	15% shrubs, 70% bare soil, 15% dead palm leaves	5% reed, 20% thicket, 25% bare soil, 50% dead leaves	90% bare soil, 10% ornamental plants
Topographical setting	linear above creek	plain	plain	plain	-
Soil surface	mix of sandy sedimentary soil with some small rocks	sedimentary soil, not very hard	sedimentary soil, not very hard	hard sedimentary soil	Very hard soil, covered with gravel
Temporary water	yes	yes	yes (partial flood irrigation)	no	no
Management practice	Pruning a few palm trees and indirect irrigation due to proximity to other crops (olive trees)	Random pruning on almost all palm trees; flood irrigation twice a year, occasional herbicide use (glyphosate 36%) only in irrigation canals and ploughing once a year for growing oats	Winter pruning, fruit are cut and left on the ground to feed pigs, flood irrigation three times a year, fumigation (imidacloprid 20%) with atomiser and spray guns of most of the palm trees once a year (e.g. December 2020 - January 2021). Regular ploughing, at least every two months.	No management	Winter pruning, constant drip irrigation, fumigation 3-4 times a year, clearing and cleaning of the entire zone done by a professional gardener.