

Table S1. Spearman Correlation Coefficients for Simulated and ID-Reports Yields, Drought Index, Water Allocation, and Area in Santaella ID

Crop	Yield–Yield	Yield–Drought index		Water allocation–Drought index	Water allocation–Area
	Simulated – ID-Reports	Simulated	ID-Reports	ID-Reports	ID-Reports
Wheat	0.806*	-0.111	0.216	0.019	-0.489
Maize	-0.107	-0.154	-0.119	0.419	0.378
Sunflower	0.149	0.349	0.327	0.021	-0.263
Cotton	0.032	0.462	0.459	0.207	0.115
Olive tree	-0.205	-0.082	0.156	-0.216	-0.051

*: 5% (significance level)