

Table S1. Variable description

Variable	Definition and coding	Combined sample	Guadalquivir sample	Almanzora sample	
Farm land (ha)	Average farm land (ha)	58.3	63.2	25.1	
Irrigation area (ha)	Average irrigation area on the farm (ha)	39.6	45.1	22.9	
Water consumption (m³/ha)	Average water consumption (m³/ha) over the last 5 years	2879.9	2521.2	3972.2	
Water costs (€/m³)	Average water costs (€/m³) over the last 5 years, including fixed rates (if any)	0.275	0.188	0.414	
Farmer's age	Age of the farm holder	52.6	52	55	
Educational level	Highest educational level of the farm holder:	0=primary school	46.7%	41.5%	62.5%
		1=secondary school	29.7%	27.9%	35.4%
		2=degree or higher	23.6%	30.6%	2.1%
Agricultural training	The farm holder has specified farm training: 0= no; 1= yes	37.9%	32.7%	54.2%	
Aware of water trading	If the farm holder is aware that water trading exists and has been practiced in Spain: 0= no; 1= yes	36.9%	33.3%	47.9%	
Innovation in the last 5 years	Number of changes on the farm over last 5 year: 0= less than 2; 1=more than 2 changes (they included mechanization, new irrigation system, irrigation infrastructure, integrated production, energy production, crop rotation and, others)	46.7%	34.0%	85.4%	
Rain fed crops	Presence of rain fed crops besides irrigated crops: 0= no; 1= yes	24.1%	27.9%	12.5%	
Advance knowledge about available water	The farmer accurately knows in advance the actually available amount of water during the season (based on the last 5 years): 0= never or hardly ever; 1= always or nearly always	71.3%	63.3%	95.8%	
Guarantee water supply	The actually available water is equal to the assigned allocation. (based on the last 5 years): 0= never or hardly ever; 1= always or nearly always	16.9%	21.1%	4.2%	
Multiple water sources	The number of water supply sources: 0=only one; 1= more than one	31.3%	31.3%	31.3%	
Well	The farm has a private well: 0= no; 1= yes	32.1%	40.0%	8.3%	
Reservoir on farm	The farm has a private reservoir: 0= no; 1= yes	13.0%	9.0%	25.0%	

Supplementary table to the article "Factors influencing farmers' willingness to participate in water allocation trading. A case study in southern Spain", by Giacomo Giannoccaro, Manuela Castillo and Julio Berbel. Spanish Journal of Agricultural Research Vol. 14 No. 1, March 2016 (<http://dx.doi.org/10.5424/sjar/2016141-7827>)

Full-time family worker	At least one member of the family works full-time on the farm: 0= no; 1= yes	57.9%	59.2%	54.2%
Share of agricultural income	The share of agricultural income in the family's gross income (over last 5 years): 0= less than 50%; 1= more than 50%	53.3%	52.4%	56.3%
Hired employees	The farm uses hired employees: 0= no; 1= yes	84.1%	83.7%	85.4%
Extensive herbaceous crops	Grows herbaceous crops (cereals, including corn and oilseed): 0= no; 1= yes	23.1%	28.6%	6.3%
Extensive herbaceous crops farmland	Percentage of extensive herbaceous crops of total farmland	15.8%	19.3%	5.1%
Vegetable crops	Grows vegetables: 0= no; 1= yes	26.7%	8.8%	81.3%
Vegetables farmland	Percentage of vegetables of total farmland	20.6%	5.1%	67.4%
Traditional olive crop	Has traditional olive groves: 0= no; 1= yes	35.4%	45.6%	4.2%
Traditional olive farmland	Percentage of traditional olive groves of total farmland	29.9%	39.2%	1.2%
Intensive olive crop	has intensive olive groves: 0= no; 1= yes	28.2%	33.3%	12.5%
Intensive olive crop farmland	Percentage of intensive olive groves of total farmland	20.1%	25.0%	4.9%
Other permanent crops	Grows other permanent crops (citrus, fruit, vineyard): 0= no; 1= yes	23.1%	19.0%	35.4%
Other permanent crops farmland	Percentage of other permanent crops (citrus, fruit, vineyard) of total farmland	12.9%	10.3%	21.1%

Table S2. Classification plot

Observed	Predicted Normal Year			
	Buy-and-Sell	Only-Sell	No participation	Correct
Buy-and-Sell	41	2	4	87.2%
Only-Sell	1	25	12	65.8%
No participation	4	12	60	78.9%
Overall Percentage	28.0%	23.8%	46.3%	78.7%

Observed	Predicted Drought Year			
	Buy-and-sell	Only-buy	No participation	Correct
Buy-and-Sell	54	1	3	93.1%
Only-Buy	4	20	12	55.6%
No participation	5	9	52	78.8%
Overall Percentage	38.4%	18.3%	40.9%	79.3%