



SPINACH

Crop	Spinach
Location	Spain
Problem	Saline water and soil
Date	July 2017
Duration of study	9 months

A study was carried out by comparing the output obtained on two plots with identical conditions, one irrigated with untreated water and the other irrigated with water treated with Aqua4D®.

Aqua4D® action enables the salts to remain dissolved in the water, and those not absorbed by the plants are trickled down well under the rhizosphere in a dissolved form. There is no more crystallization of salts in the soil pores damaging the plant nutrient uptake.



Ecological and chemical-free

Weight per meter in kg/m

Plot variety "Apollo" and "Hydrus"	Control	Aqua4D®
Measurement 1	1.21	1.66
Measurement 2	1.15	2.32
Measurement 3	0.89	2.07
Average weight	1.08	2.02
Weight increase (kg/m)		+87%



Profit calculation in Euros per hectare

Average profit	Control	Aqua4D®
Spinach average (kg/m)	1.08	2.02
Production average (kg/ha)	4'860	9'090
Price [eur/kg]	1.1	1.1
Average profit (euros/ha)	5'346	9'999
Profit with Aqua4D®		4'653 EUR/ha

+87%
production increase

ROI less than
2 agricultural cycles



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