

ALMONDS



Crop	Almonds
Location	California
Problem	Water and soil salinity
Date	February 2016 - August 2018
Duration of study	2.5 years

A study was carried out by comparing the results obtained in two plots of almonds with same variety and identical water and soil quality conditions. It should be taken into account that the almond trees in the untreated "control" plot are 5 years old, while the almond trees in the plot treated with Aqua-4D® are 13 years old.

Aqua-4D® enables a better dissolution and better distribution of the minerals in irrigation water. The salts remain dissolved in water and those not absorbed by the plant are carried off under the rhizosphere.

Salts are no longer crystallized in the soil pores and no longer inhibit the nutrition of the plant.

ROI less than
1 agricultural cycle

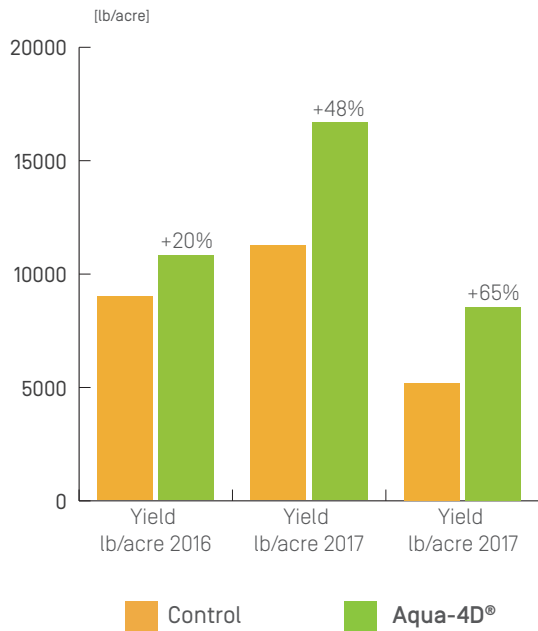


Ecological and chemical-free

The study was conducted on two “nonpareil” almond plots: a control plot with 5-year-old trees, and a plot to be treated by Aqua-4D® with 13-year-old trees.

Plot	2016	2017	2018
Aqua-4D® vs Control yield improvement	20%	48%	65%
Comparative improvement	-	24%	38%

Containing 13-year-old trees, the Aqua-4D® treated plot already had 20% higher yields at the outset in 2016. Subsequent years show a separate comparative improvement of 24% and 38% respectively.



+38%
production increase

First year with Aqua-4D®: +24%*

Second year with Aqua-4D®: +38%*

* excluding the original +20% arising from the different age of the trees

Plot	Soil moisture in the root zone (cbar)
Control	116.75
Aqua-4D®	88.8
Variation	31.5%

+31.5%
soil moisture improvement



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