



CUCUMBER AND GHERKINS

Crop	Cucumber and gherkins
Location	Uzbekistan
Problem	Saline water
Date	February - July 2018
Duration of study	6 months

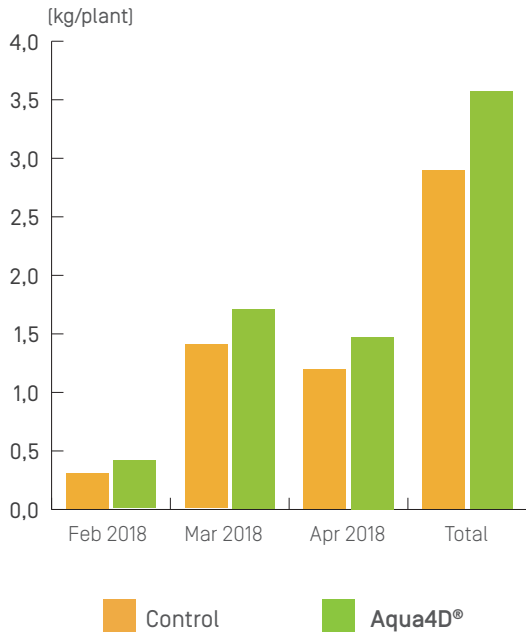
A study was carried out by comparing the output obtained on two plots with identical conditions, one irrigated with untreated water and the other irrigated with water treated with Aqua4D®.

Aqua4D® enables a better dissolution of fertilizers in irrigation water. Furthermore, improving water retention in the coco fiber helps the development of a denser root system with hairy structure. This results in larger contact area between roots and nutrients which improves nutrient absorption by the plant.



Ecological and chemical-free

Production per plant



Production per plant

Plot	Production February kg/plant	Production March kg/plant	Production April kg/plant	Total production kg/plant
Control	0.30	1.40	1.19	2.89
Aqua4D®	0.41	1.70	1.47	3.57
Variation %	34%	21%	23%	24%

Total production in Kg

Plot	Production February kg	Production March kg	Production April kg	Total production kg
Control	5'942	27'358	23'250	56'550
Aqua4D®	9'066	37'934	32'770	79'770

Using an ecological process, Aqua4D® will have a gradual leaching action on the salt saturated soils.

Total harvest

Plot	Number of plants
Control	19'586
Aqua4D®	22'360

+24%
Production increase



Headquarters
 Aqua4D Water Solutions
 Ecoparc de Daval A9, 3960 Sierre
 Switzerland
 T +41 27 480 30 35
 info@aqua4d.com
 www.aqua4d.com

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