

# LETTUCE



<b>Crop</b>	Deronda Lettuce
<b>Location</b>	Spain
<b>Problem</b>	Increase production
<b>Date</b>	January 2017
<b>Duration of study</b>	15 days

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®.

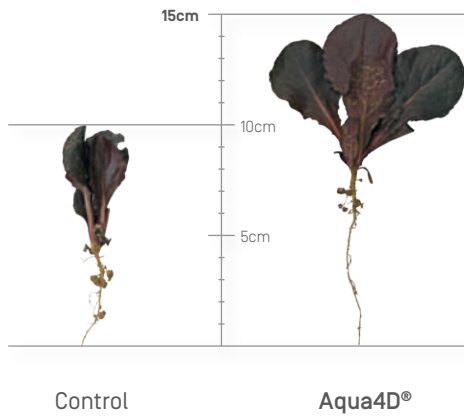
Aqua4D® enables a better dissolution and distribution of the minerals in irrigation water.

The system improves water retention in the soil, which infiltrates easily the micropores [capillary effect] and allows for better root development [reinforces structure].

**+38%**  
leaf size increase



# Ecological and chemical-free



Through precision treatment of irrigation water, the Aqua4D® system allows plants to optimize their performance and nutrient absorption, leading to healthier plants and higher yields.

## Water quality

Source	EC (mS/cm)	TDS (mg/l)	Na+ (mg/l)	pH
Well water	1.54	-	100	7.2

## Soil quality

Structure	Organic matter %	EC 1/2 (ms/cm)	pH	SAR
29% sand, 46% silt, 25% clay	1.32	0.98	7.6	1.0

## Root development

Plot	Average root length (cm)
Control	4.50
<b>Aqua4D®</b>	<b>6.75</b>

## Leaf size

Plot	Average leaf length (cm)
Control	5.25
<b>Aqua4D®</b>	<b>7.25</b>

**+50%**  
improvement in root length

**+38%**  
leaf size increase

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