

Summary Results

- ✦ Increased yield by 21% at 75% irrigation levels.
- ✦ Increased yield by 9% at 100% irrigation levels.
- ✦ Water savings, plus improvement in return/acre.
- ✦ Larger, more uniform heads.



Detailed

Increased yield: The sampled Head Lettuce plots treated with BountiGel produced a yield increase of 8.9% at 100% of normal irrigation, and a yield increase of 21.3% at 75% of normal irrigation. The Romaine Lettuce plots showed increases of 2.3% and 2.7% under full (100%) and reduced (75%) irrigation scenarios, respectively.

Findings

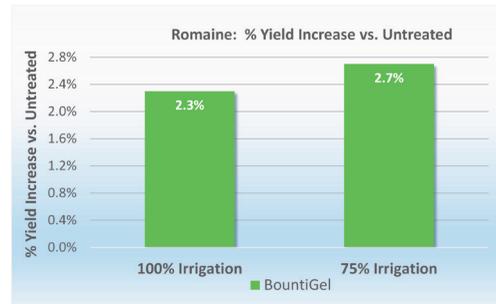
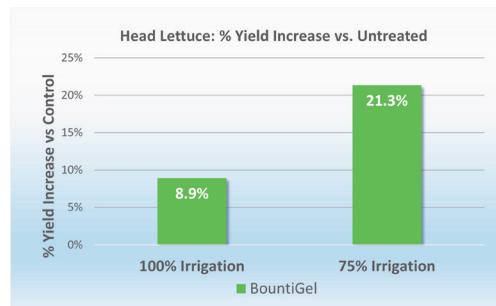
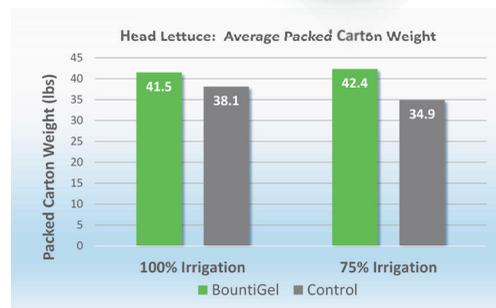
Improved net return: Grower calculations on the productivity of Romaine Lettuce plots in the Thermal and Holtville trials indicated an increase in net return of more than \$200/acre, at 2014 prices.

More stable soil moisture conditions contributed to reduced plant stress, more uniform lettuce heads, and higher yields.

Conclusions: Improved soil moisture holding capacity using BountiGel can result in higher yields and water savings in a wide range of soils.



Data from Romaine trials in Thermal, CA and Holtville, CA; head Lettuce trials in Yuma, AZ.



REDUCE WATER USAGE



INCREASE YIELD

At Carbon Neutral Ag Sciences, we specialize in innovative crop science to address current challenges to irrigated agriculture. Using patented chemistry, we manufacture BountiGel® an eco-friendly, super-absorbent soil amendment that absorbs up to 150 times its weight in water while maintaining its mechanical strength. BountiGel will repeatedly absorb and release water to the root system, utilizing its unique double cross-linked structure. Due to its superior mechanical strength, BountiGel remains effective for up to three years until it safely biodegrades. Does not contain polyacrylamide.

Backed by two years of University and Commercial trials.