

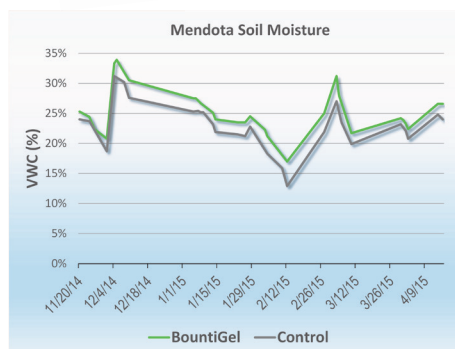
## Summary Results

- ✦ Increased yield by 13% versus control.
- ✦ Increased piece counts and bulb weight.
- ✦ Improved seed germination rates.
- ✦ Increased soil moisture and Nitrogen availability.



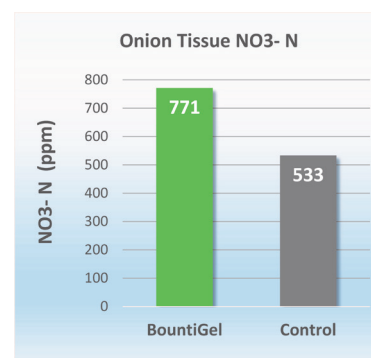
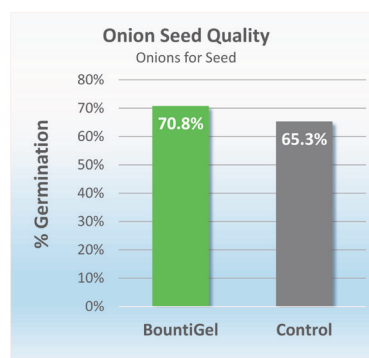
## Detailed

**Improved soil moisture:** Soil treated with BountiGel was able to maintain consistently higher moisture levels (vs control) over an extended timeframe.

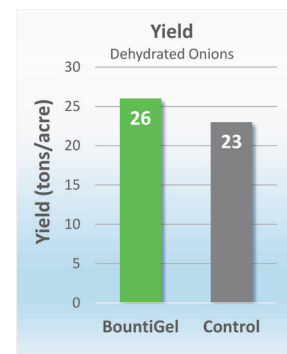
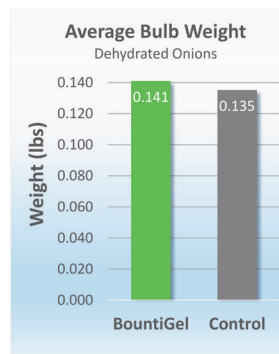
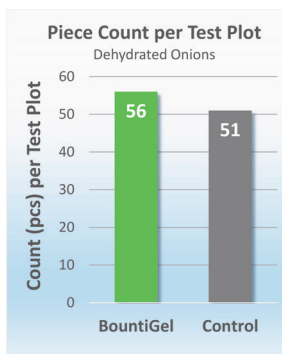


## Findings

**Improved seed germination:** In plots where soil was treated with BountiGel, germination rates were 70.8%, versus 65.3% in the control.



**Improved nitrogen availability:** In plots treated with BountiGel, more N was available for uptake and less was lost to leaching, resulting in onion tissue NO<sub>3</sub><sup>-</sup> N levels (771ppm) significantly higher versus control (533ppm).



**Improved yield:** Plots treated with BountiGel exhibited higher piece counts (+10%) and bulb weight (+4%), leading to a 13% increase in yield versus control. At market rates (2015) this translated to a net return of \$250/acre.

Data from Onion trials in Mendota, CA and Five Points, CA

## 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.