BountiGel®

Product Validation Datasheet

Green Onions

Summary Results

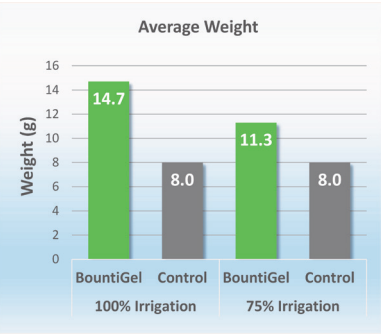
- Increased average plant weight (+84%) versus control.
- Increased bulb diameter by 1.3-1.4mm versus control.
- Increased average length by up to 37% versus control.
- Increased soil Nitrogen availability.

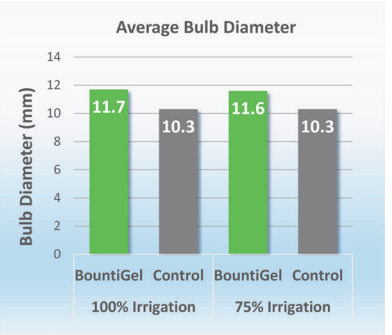
Detailed Findings

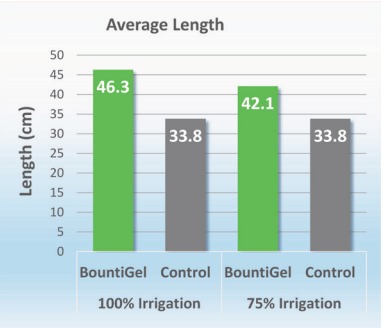
Improved weight, bulb diameter and length: Average weight in soil treated wtih BountiGel was 84% higher versus control at normal (100%) irrigation levels. At reduced (75%) irrigation levels, average weight was 41% higher. Bulb diameter was also increased by 1.3-1.4mm under both irrigation scenarios, versus control. Overall length improved by 37% at normal (100%) irrigation levels, and by 25% at reduced (75%) irrigation levels, versus control.

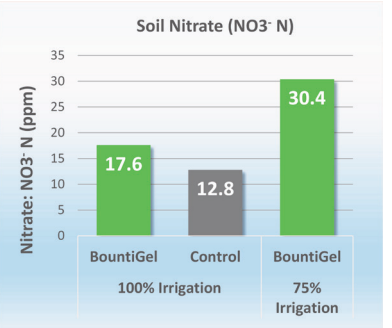
Improved nitrogen availability: In plots treated with BountiGel, more N was available for uptake and less was lost to leaching, resulting in onion tissue $NO3^-$ N levels (17.6 ppm) significantly higher versus control (12.8 ppm) at normal (100%) irrigation levels. At reduced (75%) irrigation levels, even higher nitrate levels were detected, as expected.

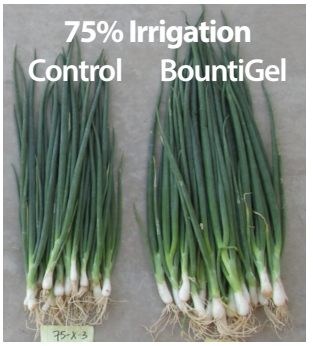
Data from Green Onion trials in Sinaloa Mexico and Baja California, Mexico.











REDUCE WATER USAGE

FEWER DROPS MORE CROP

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.

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