

BIO-GEL™ Technology

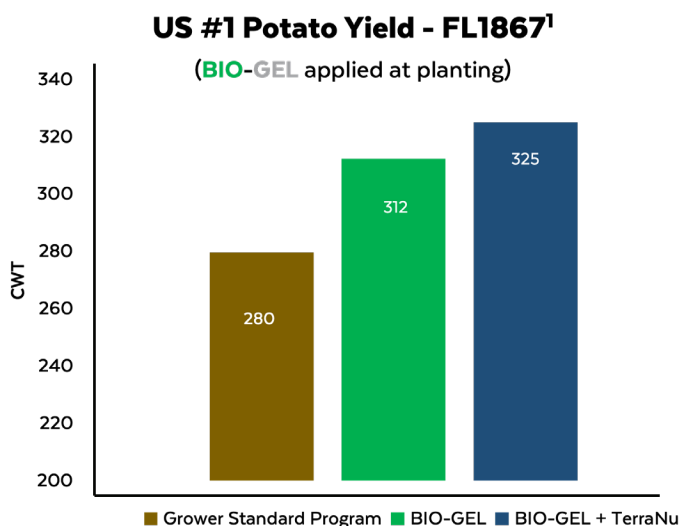
POTATOES

UP TO 31x ROI

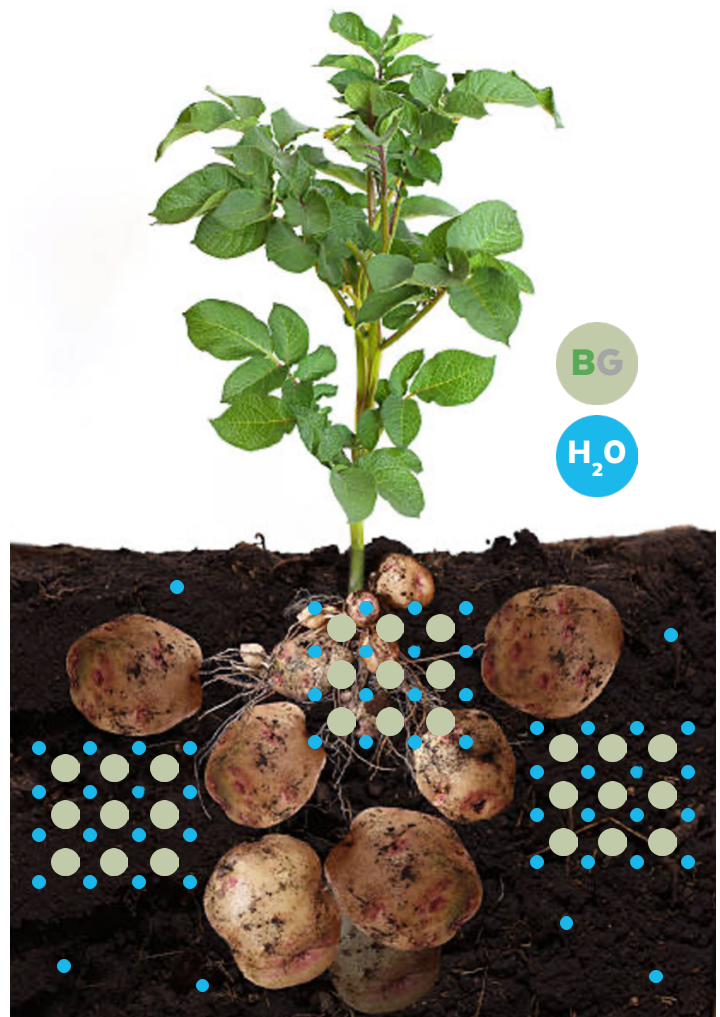
BIO-GEL drives farm returns by increasing US #1 yields in water-limited environments or overall yields with sufficient water. It functions as a water storage enhancer, soil stabilizer, and food for native bacteria in the root zone.

- **BIO-GEL** is an **Organic** water-soluble granular powder in its natural state. When mixed with water or other carriers, it converts to a gel-like substance
- By applying in the root zone, it retains water to improve plant uptake and biological activity
- It stabilizes soil by binding soil particles together, improving soil structure and porosity for further water penetration
- Application: banded in-furrow applications are preferred to maximize root contact

Independent field trials reflected in the chart show that alone, or in combination with TerraNu Calcium, **BIO-GEL** greatly outperforms the growers' standard.



The water holding capabilities of **BIO-GEL** enable the potato to reach its maximum potential during tuber-fill.



BIO-GEL forms a structure that binds water, increasing availability to roots to grow to and through, as well as feeding the natural bacteria surrounding it.

¹⁾ Independent trials by Mid-Michigan Agronomy - NC & MI

Work with your consultant or agronomist to find the application timing and methods that work best for you.

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BIO-GEL™ + TERRANU® Technology UP TO 31x ROI

While most effective at planting, field trials were also conducted with **BIO-GEL** at hilling, in combination with **TerraNu Calcium**. In these trials, the **BIO-GEL/TerraNu** combination outperformed the growers' standard by 15% and 10% respectively, on 2 different varieties of potatoes – Lamoka and FL1867.

Increased Nutrient Availability

When all treatments of the **BIO-GEL/TerraNu** applications were compared, versus the control plots, it was determined that:

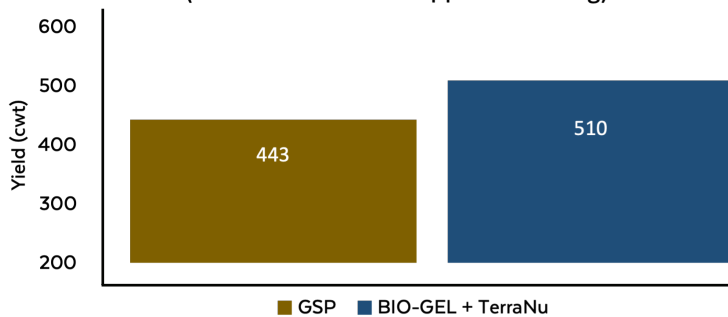
- Soil potassium levels increased 32%
- **BIO-GEL/TerraNu** treatments built an additional 120+ lbs. / acre of potassium

Additionally, tissue test results showed:

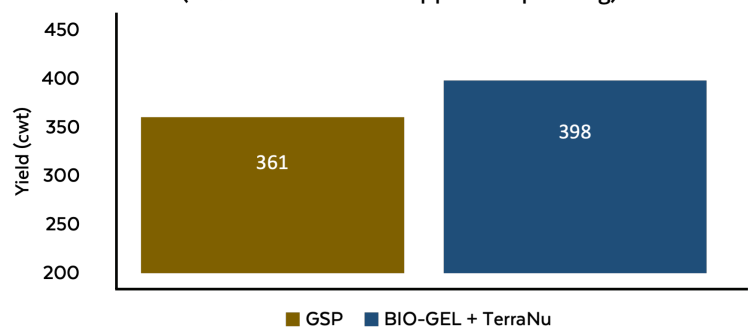
- Stage 1 tissue tests reported **27% higher potassium levels** over the controls.
- Stage 1 tissue tests reported **24% higher sulfur levels** over the controls.



Total Yield Response - Lamoka¹
(**BIO-GEL** + **TerraNu** applied at hilling)



Total Yield Response - FL1867¹
(**BIO-GEL** + **TerraNu** applied at planting)



¹) Independent trials by Mid-Michigan Agronomy - NC & MI

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