

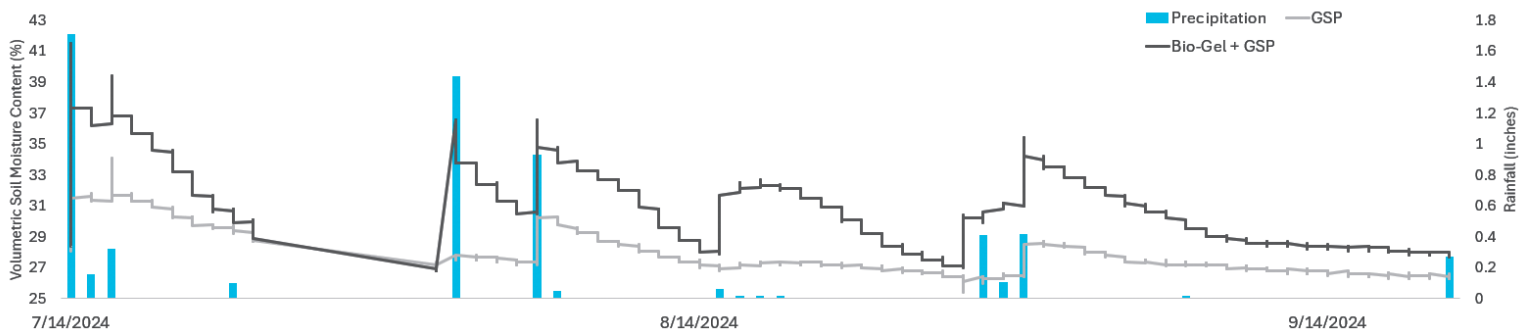
Bio-Gel[®] Technology

A simplified mode of action: Bio-Gel[®]

Unlike any other product on the market, Bio-Gel is an innovative carbohydrate-based hydrogel solution ensuring that more nutrients stay in the soil and available to fuel crop growth effectively.

Bio-Gel technology is a carbohydrate-based hydrogel that helps retain soil moisture and nutrients, stimulating soil biology and promoting healthy root development. As a tank mix additive, it encapsulates mobile nutrients, preventing loss through leaching. When applied directly to plant roots, Bio-Gel acts as a protective barrier, safeguarding plants against abiotic stressors such as drought and salinity.

Impact of MBA Corn In-Furrow Starter Fertilizer Program on Volumetric Soil Moisture Content at the 3" Soil Depth



Boost your water utilization, nutrient availability and yields with Bio-Gel[®]

- Bio-Gel technology increased mid-season short - medium term available nitrate nitrogen 44% when applied urea ammonium nitrate (UAN).
- Bio-Gel drives farm returns by increasing yields through water-efficiency and nutrient availability.
- Bio-Gel increases soil organic carbon.

Bio-Gel as a tank mix partner with liquid in-furrow starter treatment has shown corn harvested yield increases up to 17%. Replicated randomized complete block design yield data shows Bio-Gel when tank mixed with biologicals, biostimulants, and conventional grower standard liquid in-furrow starter fertilizers increases yield in corn and soybeans.



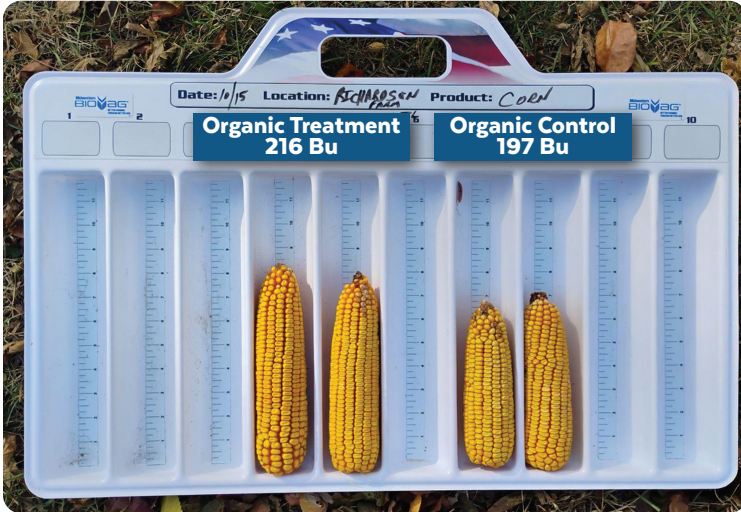
 **Midwestern BioAg**[™]



Bio-Gel[®] Dry Granular

For use on organic or conventional corn

Bio-Gel[®] drives farm returns by increasing yields in both water-limited environments and those with sufficient water. It functions as a water storage enhancer, soil stabilizer, and food for native bacteria in the root zone.

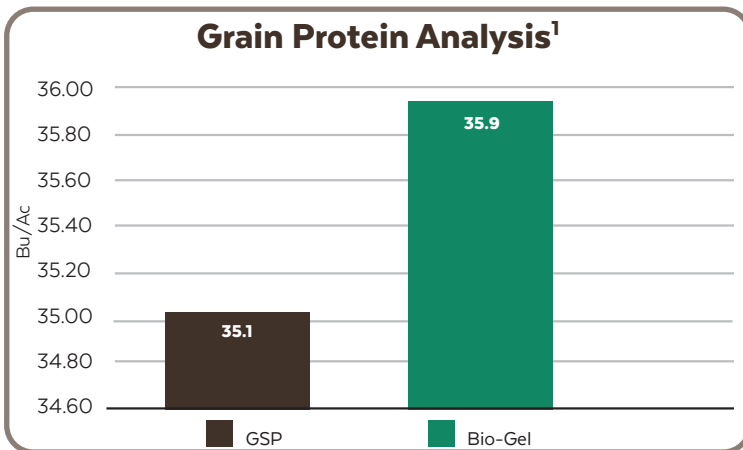


2024 Organic corn trial in Northern, IL trial saw a 10% yield increase with Bio-Gel

- Application rates: 987 Lb/A OrganiCal, 2 Tons/A Chicken Litter, 2 Gal/A of Dramm-O with 1 Gal/A of Bio-Gel

Treatment Yield Averaged: 216 Bu/A
Control Yield Averaged: 197 Bu/A

Increased Protein Analysis

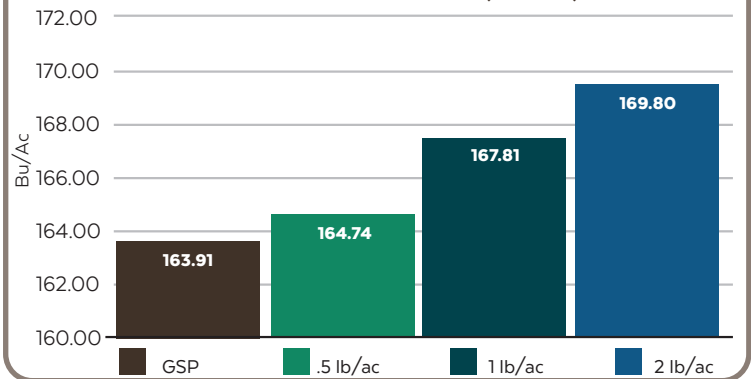


Bio-Gel is OMRI listed and approved for organic farming systems, where higher protein percentages are most critical. Bio-Gel showed an increase of more than 2% in protein analysis on standard soybeans.

Bio-Gel drives farm returns by increasing 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 contains - 40% carbon
- 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
- When applied in the root zone, Bio-Gel, it retains water to improve plant uptake and biological activity
- Bio-Gel stabilizes soil by binding soil together, improving soil structure and porosity for further water penetration

Effects of Variable Bio-Gel[®] Application Rates on Corn Yield (90M)¹



Independent field trials reflected in the chart above show that variable rates of Bio-Gel outperform the growers' standard.

Contact
an Expert
Today!



¹ Independent trials by Agri-Tech Consulting. Work with your consultant or agronomist to find the application timing and methods that work best for you.