BIO-GEL™ Technology

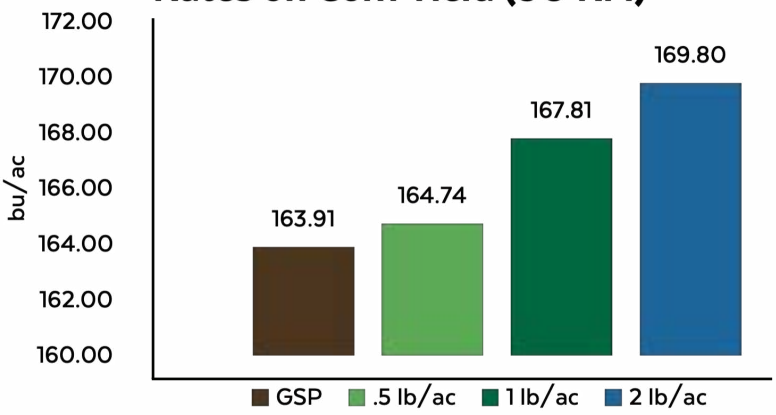
CORN

FOR USE ON ORGANIC OR CONVENTIONAL CORN

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.

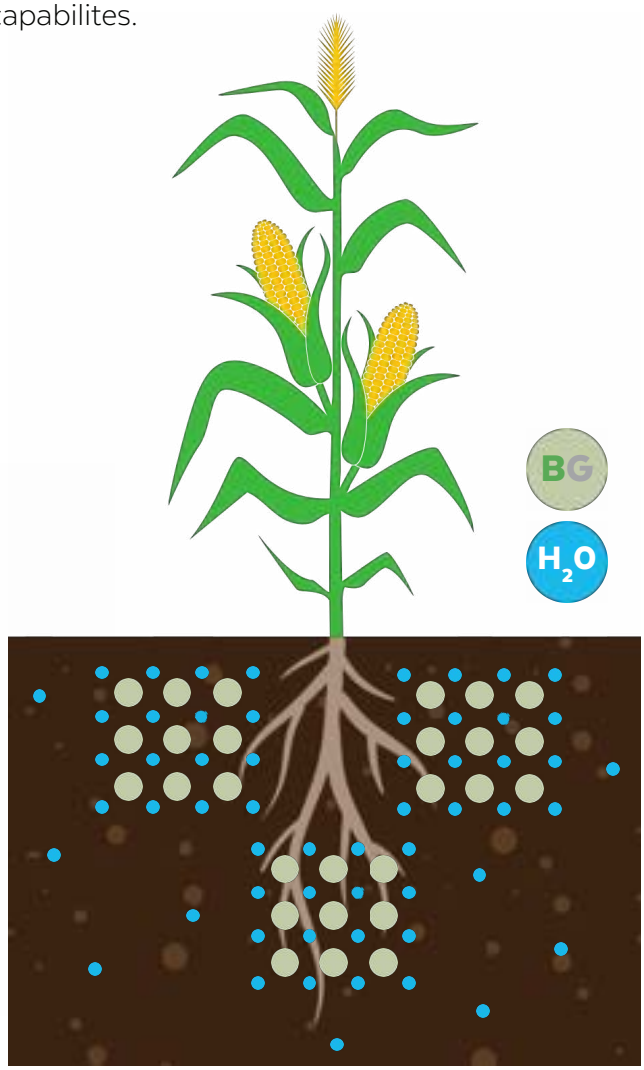
- **BIO-GEL** is an **Organic** water-soluble granular powder in its natural state. When mixed with water or other carriers, it converts to a gel-like substance
- By applying in the root zone, it retains water to improve plant uptake and biological activity
- It stabilizes soil by binding soil particles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

Effects of Variable BIO-GEL Application Rates on Corn Yield (90 RM)[1]



Independent field trials reflected in the chart above show that variable rates of BIO-GEL outperform the growers' standard. The standard rate of BIO-GEL is 1 lb per acre.

While banded in-furrow applications are preferred to maximize root contact, **BIO-GEL** also fits pivot irrigation due to its soil stability and water retention capabilites.



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

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.

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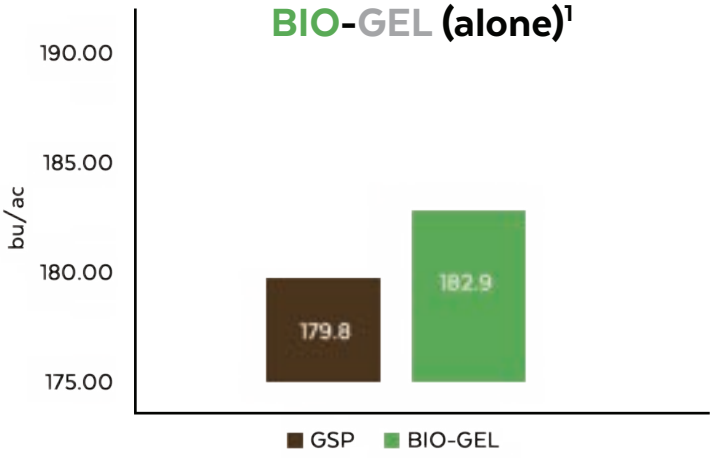
BIO-GEL™ + TERRANU® Technology

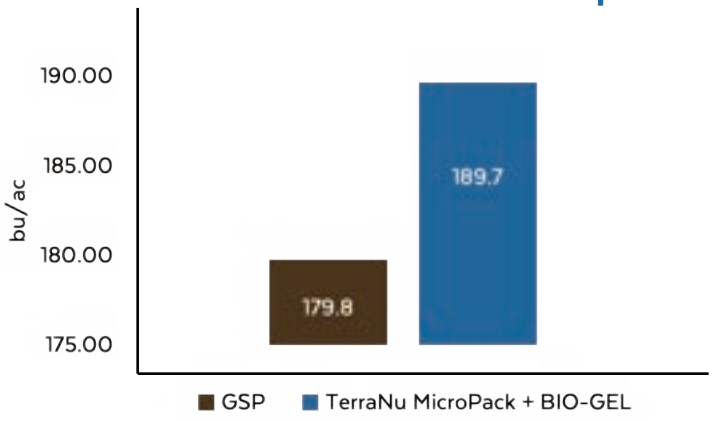
Field trials on corn were also conducted with **BIO-GEL** alone, and in combination with **TerraNu Micropack***. In these trials, the **BIO-GEL** alone outperformed the growers' standard by 3+ bu/A, and the **BIO-GEL** + **TerraNu Micropack** combination outperformed the growers' standard by approximately 10 bu/A on the same variety (see charts below).

** TerraNu Micropack is Non-Organic*

Corn Yield Response:
BIO-GEL (alone)[1]



Corn Yield Response:
BIO-GEL + TerraNu Micropack[1]



Increased Nutrient Availability

On soil test analysis pre-plant vs. post-harvest

Soil tests done *post-harvest* on the corn where **BIO-GEL** + **TerraNu Micropack** applications were made showed a strong positive increase in both N & P as well as several micronutrients (see chart below).

- Nitrogen levels increased 21%
- Phosphorus levels increased 32%
- Sulfur & Boron levels increased 17% each

Soil test analysis pre plant vs. post harvest. Treatment was BIO-GEL + TerraNu Micropack.

	Pre-Plant	Post-Harvest	% Change
Nitrogen	22.4	27.1	21%
Phosphorus	25.0	33.0	32%
Potassium	141.0	144.0	2%
Calcium	5648.0	5693.0	1%
Magnesium	822.0	842.0	2%
Sulfur	3.6	4.2	17%
Boron	0.6	0.7	17%
Manganese	30.0	31.0	3%
Zinc	3.6	3.9	8%

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