



 **HOLGANIX**[®]
Soil Nourishing Root Stimulating[™]

Product Performance Book

holganix.com



BIO 800⁺

Soil Health. Yield. Sustainability.

Holganix Bio 800⁺ Agriculture harnesses the power of over 800 species of soil microbes to increase the farm's profit per acre by improving yield, reducing fertilizer, and driving soil health.

By charging soils with diverse microbes we help our farmers improve the health of their soils, investing in the legacy of their farm for future generations.

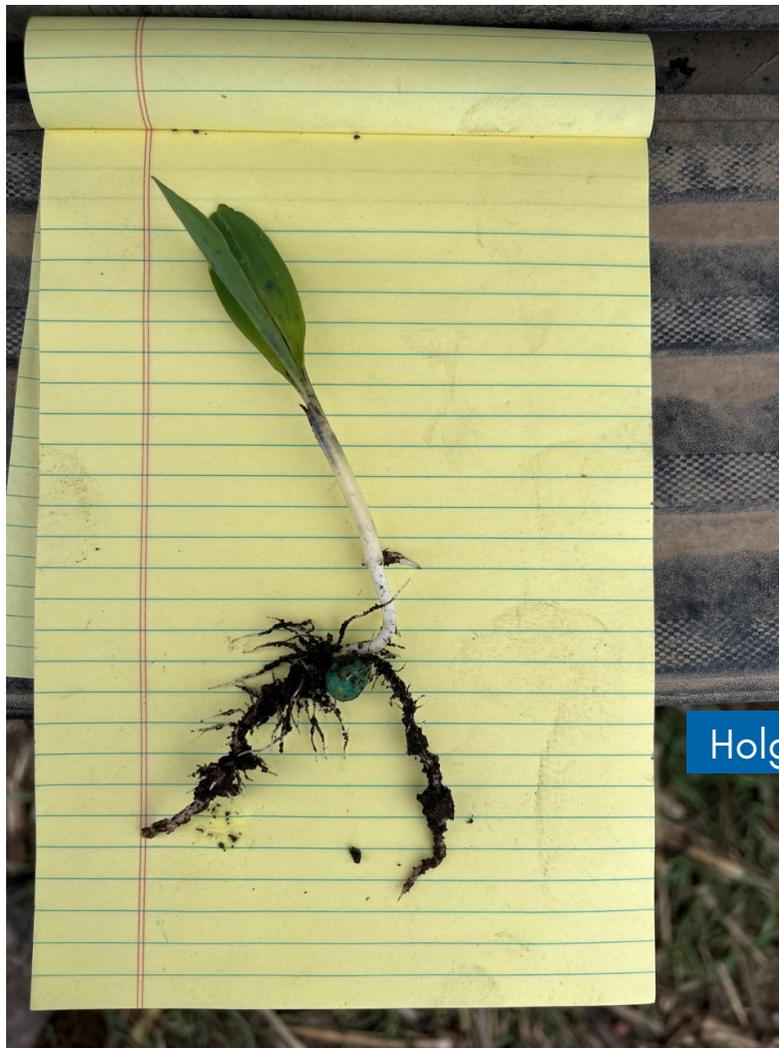
- Increase Profit Per Acre Through Yield Improvements And Reduced Fertilizer
- Improve Soil Health
- Nurture Faster Establishment
- Boost Roots; Contributing To Soil Organic Matter And Carbon
- Stronger Plants Better Able To Withstand Drought, Wind and Hail
- Accelerate Residue Breakdown
- Restore Needed Beneficial Soil Microbes Depleted By Tillage, Freezing, Flooding, Fungicides, And Other Stressors



CORN DATA

- Rate Recommendation: 0.5 gal per acre at planting
- Typical Yield Increase: 6-11 bu/acre
- Key Benefits:
 - Increased root mass
 - Thicker stalks, stronger brace roots
 - Larger ears with better fill

Several years of university and grower data has been compiled on Holganix Bio 800+ Agriculture on corn. The photos and testimonials shown are just a sample. For additional information please visit: www.Holganix.com/Ag-data



CORN, SOUTHERN MINNESOTA

Unsolicited Customer Photo

This picture was taken on May 20, 2022. The grower noticed the formation of nodal roots just seven days after planting his corn.

Holgenix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	2 gallon 6-24-6 starter fertilizer

CORN, SOUTHERN MINNESOTA

Unsolicited Customer Photo



This picture was taken on June 28, 2022. The grower noticed a significant color and root difference between the corn treated with Holganix Bio 800⁺ Agriculture and the control.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	
Other Products Used:	



Holganix Bio 800⁺

Control

CORN, IOWA

Unsolicited Customer Photo

This picture was taken on June 23, 2022.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	
Other Products Used:	

CORN, IOWA

Unsolicited Customer Photo



This picture was taken on June 9, 2022. The grower tested Holganix Bio 800⁺ Agriculture against Loveland Extract. The photo demonstrates that the corn treated with Holganix has bigger roots and thicker stalks than the control.

Note: The soil was reported to be low in sulfur.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	
Other Products Used:	



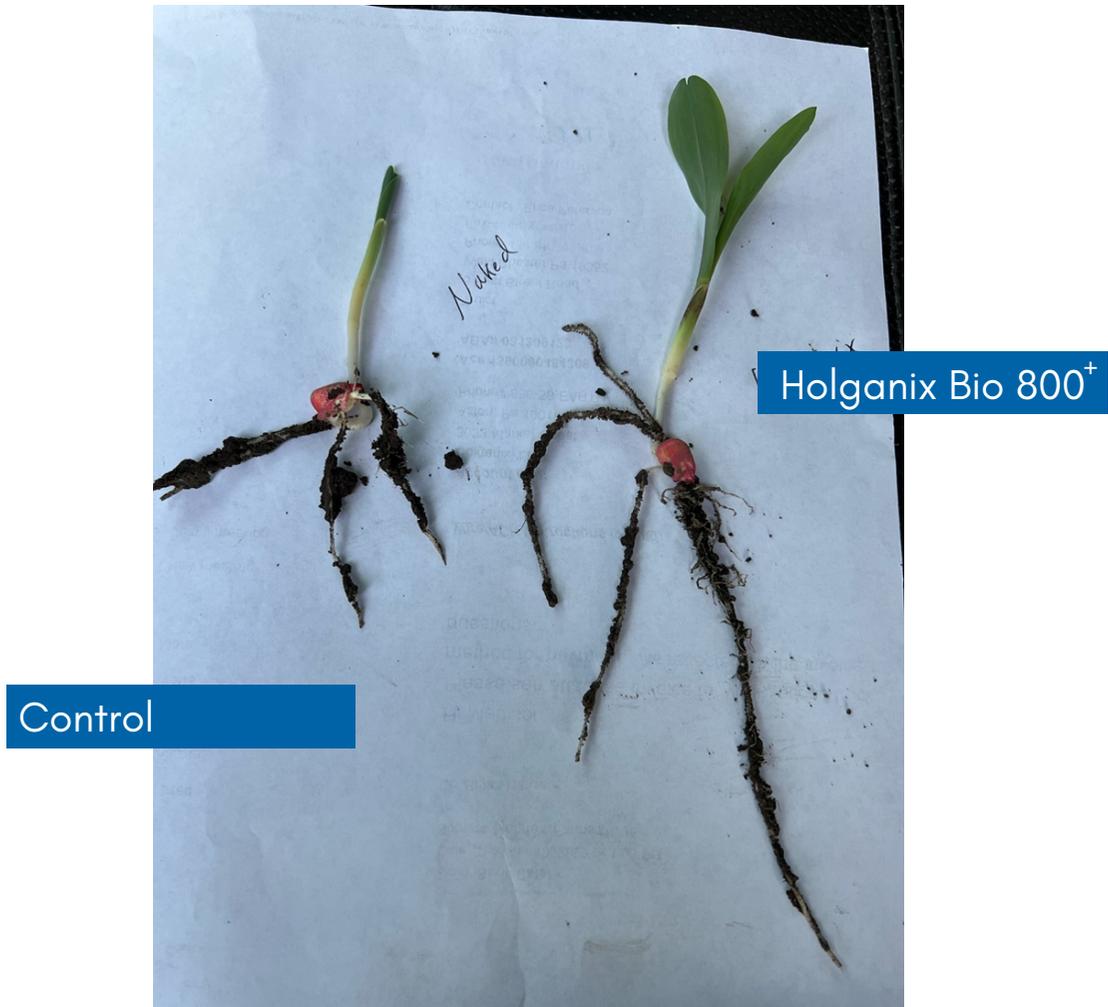
CORN, SOUTHEAST IOWA

Unsolicited Customer Photo

The corn shown above was planted on May 5, 2022. This picture was taken by the grower on May 16, 2022.

Holgenix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	



CORN, SOUTHEAST IOWA

Unsolicited Customer Photo

The corn shown above was planted on May 5, 2022. This picture was taken by the grower on May 19, 2022. In comparison to the control, all of the Holganix Bio 800+ Agriculture treated corn had emerged. The corn pictured on the left is the tallest check found on the field.

Holgenix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	Starter fertilizer



CORN, SOUTHEAST IOWA

Unsolicited Customer Photo

The corn shown above was planted on May 18, 2022. This picture was taken by the grower on June 9, 2022.

Holganix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	After emergence
App Method:	Foliar
Other Products Used:	



CORN, SOUTHEAST IOWA

Unsolicited Customer Photo

This picture was taken on June 22, 2022. The grower noticed that the Holganix Bio 800+ Agriculture treated corn had plentiful, thicker brace roots and root hairs. He was absolutely amazed by the results. The rhizosheath (dirt sticking to the roots) is most prevalent on the roots treated with Bio 800+ Agriculture.

Holgenix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	
Other Products Used:	



CORN, SOUTHEAST IOWA

Unsolicited Customer Photo

This picture was taken on August 8, 2022. The grower counted an estimated 32-bushel difference from the control. The estimate was taken by counting kernels which gives a rough estimate only. Please note that the control was the grower's neighbor's crop and so it is not a true control.

Holganix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	Foliar
Other Products Used:	



CORN, SOUTHEAST IOWA

Unsolicited Customer Photo

This picture was taken on August 8, 2022. The grower believes that by counting the kernels, he has an estimated 99-bushel acre advantage over the control. Of course, this method gives a rough estimate only.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	
Other Products Used:	



CORN, CENTRAL IOWA

Unsolicited Customer Photos

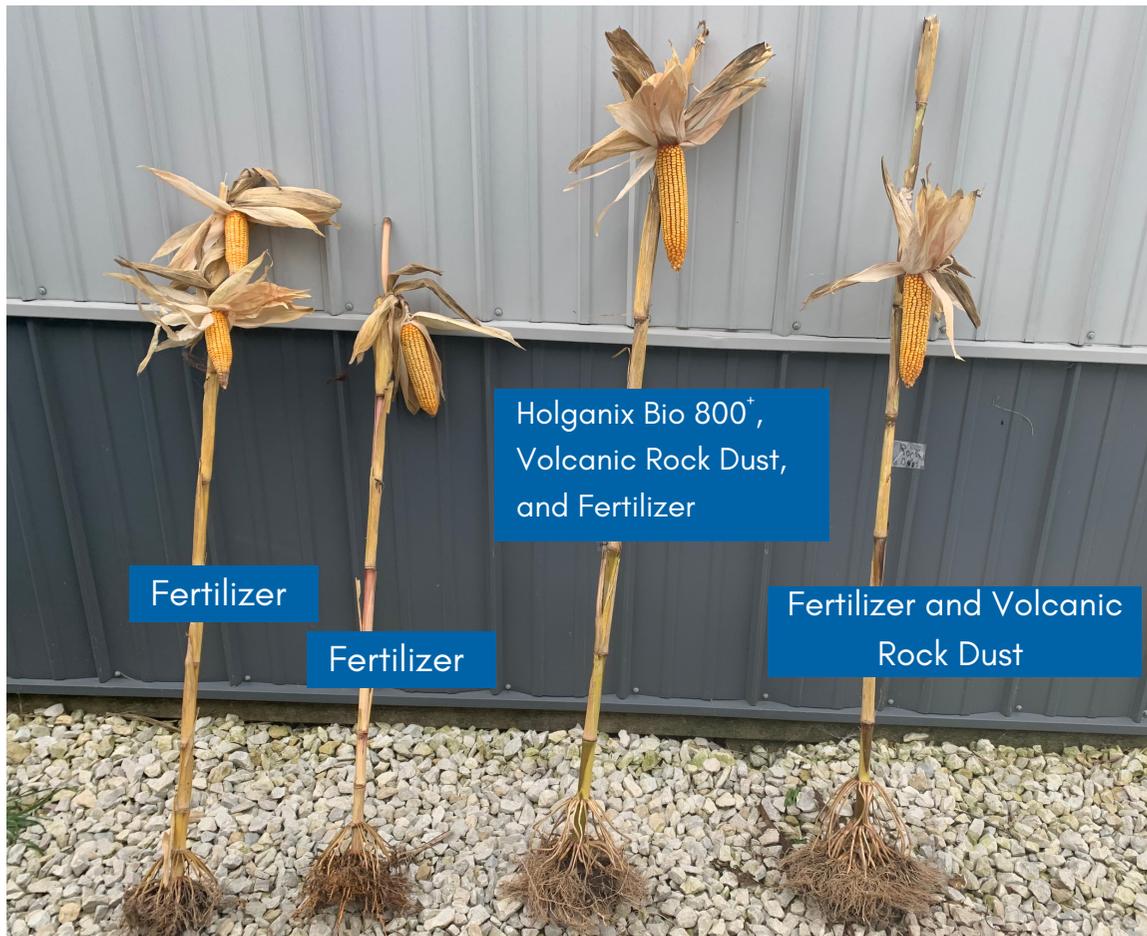
These pictures were taken on July 13, 2021. The grower determined that the Horganix Bio 800+ Agriculture and Volcanic Rock Dust treated corn has far better roots, compared to the control. According to the dealer, "the customer was sold on this dig up."

Horganix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	Foliar
Other Products Used:	Volcanic Rock Dust

CORN, CENTRAL IOWA

Unsolicited Customer Photo



The grower noticed a lot more uniform kernels and bigger roots when adding Holganix Bio 800⁺ Agriculture. According to the grower, "The Holganix and rock dust, despite dry year, had the biggest ears and healthiest plants compared to the control side." The picture was taken on September 23, 2021.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	Foliar
Other Products Used:	180 anhydrous plus 0-60-60 Fertilizer and Volcanic Rock Dust



Fertilizer and Volcanic Rock Dust

Fertilizer

Holganix Bio 800+, Volcanic Rock Dust, and Fertilizer



Fertilizer

Holganix Bio 800+, Volcanic Rock Dust, and Fertilizer

CORN, CENTRAL IOWA

Unsolicited Customer Photos

The photos are from the same crop and farmer from the previous page. According to the grower, "The combination of Holganix Bio 800+ Agriculture and volcanic rock dust was the clear winner. The control corn had much smaller rounds at the top with only 15 kernels, while the corn treated with Holganix and volcanic rock dust were filled to the tip, had larger rounds with about 16 kernels around the tip of the corn."



CORN, SOUTHWEST KANSAS

Unsolicited Customer Photo

This picture was taken on June 17, 2022. The grower claimed that "corn is taking off big time."

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	
Other Products Used:	

CORN, SOUTHWEST KANSAS

Unsolicited Customer Photo



This picture was taken on June 22, 2022. The grower says, "this is our low water irrigation before and after results. It has been 100 degrees F for the last 2 weeks, with brutal winds. To survive the weather out here on the Great Plains, it's essential to choose the right hybrids, and improve drought tolerance, by balancing the soil with a product like Holganix Bio 800+ Agriculture."



CORN, SOUTHWEST KANSAS

Unsolicited Customer Photos

The corn shown above was planted on May 20, 2022. The grower noticed so many fibrous roots on the Holganix Bio 800⁺ Agriculture treated corn. These pictures were taken on June 29, 2022.

Holganix Bio 800⁺ Treatment:

Rate:	1 quart per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	1/4 lb an acre of Miller Zmc



CORN, SOUTHWEST KANSAS

Unsolicited Customer Photo

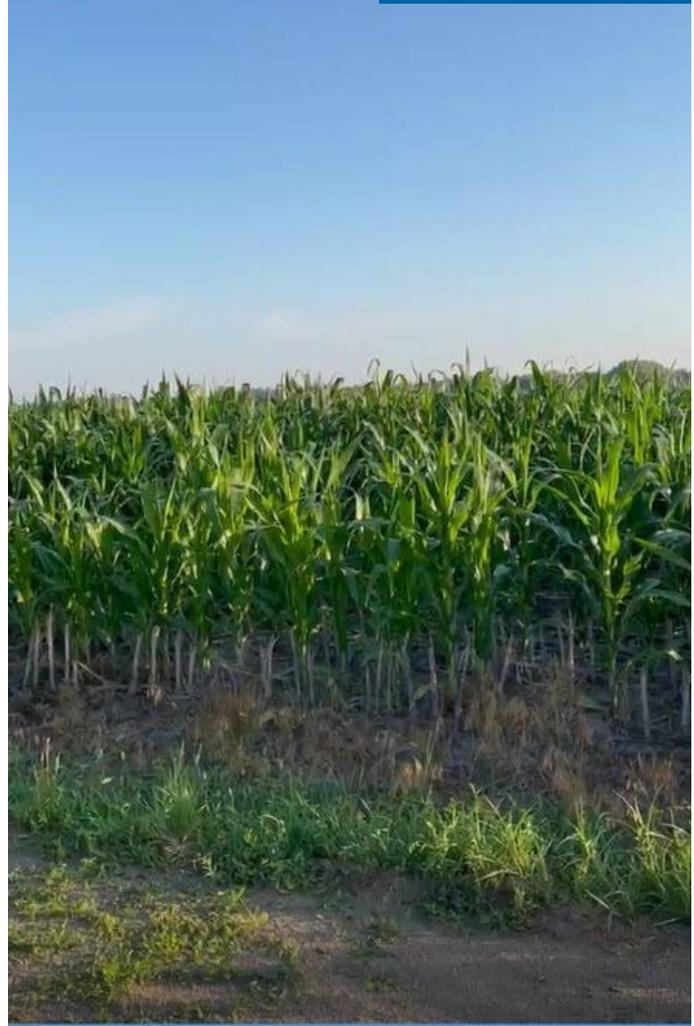
This picture was taken on June 18, 2021. According to the grower, the Holganix Bio 800+ Agriculture treated corn has "larger brace roots, thicker corn stalks, and have more root hairs versus the control." Holganix vs. control: "Bigger roots, bigger stalk, and bigger factory."

Holganix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	
Other Products Used:	

Holganix Bio 800⁺

Control



CORN, KANSAS

Unsolicited Customer Photos

These photos were taken July 2, 2021. Holganix Bio 800⁺ Agriculture was applied at 0.5 gal per acre.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	
Other Products Used:	



Control

Holganix Bio 800⁺

CORN, CENTRAL ILLINOIS

Unsolicited Customer Photo

This farmer saw a +15 to +30 bushel per acre advantage. The corn was planted on June 7, 2019 and was a corn-on-corn rotation. The picture was taken on October 1, 2019. Corn was planted on side-by-side rows 30 inches apart. The grower randomly decided a starting point and pulled 20 ears per row. This was a very wet season.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	3.5 gal per acre 10-34-0 Fertilizer



Control | Holganix Bio 800⁺



Control | Holganix Bio 800⁺

CORN, CENTRAL ILLINOIS

Unsolicited Customer Photos

This corn was planted on June 6, 2019. These pictures were taken on June 28, 2019. Notice the improved crop development. According to the grower, "You can see the difference between the Holganix and the control in color and height from the road!"

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	Starter Fertilizer. All other inputs were replicated in the control.

CORN, WEST CENTRAL INDIANA

Unsolicited Customer Photos



These pictures were taken on September 21, 2021. The photos demonstrate an increase in root mass and a taller, greener stalk on the Holganix Bio 800⁺ Agriculture treated crop. "Needless to say, my interest level just perked up!" - Farmer

Holgenix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	Preplant - Applied 5/4/21
App Method:	Broadcast with sprayer
Other Products Used:	8 oz Veltyma Fungicide applied to whole field at R2



CORN, WEST CENTRAL INDIANA

Unsolicited Customer Photos

These photos are from the same grower on page 23. "Over the past few weeks, I've been watching a check strip, in a field of corn that we left, that's started sticking out like a sore thumb in aerial imagery." The photos demonstrate that Holganix Bio 800+ Agriculture treated corn has a greener stalk versus the control. The inner pith of the treated corn is healthier, compared to the dried stalk on the right.



Control

Holgenix Bio 800⁺

CORN, WEST CENTRAL INDIANA

Unsolicited Customer Photo

This is the same crop and farmer from the previous page. This grower saw a +12 bushel per acre advantage. When the corn was first planted, the grower was a bit skeptical. However, by the end of the season, he was shocked by the difference in both the root mass and yield with the Holganix versus the control.

Holgenix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	Preplant - Applied 5/4/21
App Method:	Broadcast with sprayer
Other Products Used:	8 oz Veltyma Fungicide applied to whole field at R2



Control

Holgenix Bio 800⁺

CORN, INDIANA

Unsolicited Customer Photo

Holgenix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	Starter Fertilizer. All other inputs were replicated in the control.

CORN, JONESBORO, INDIANA

Unsolicited Customer Photo



The grower saw a +5 bushel per acre yield increase over the control.

Horganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	2 weeks after emergence
App Method:	Sprayed over the top
Other Products Used:	Only 10 gallons of water

CORN, NORTH DAKOTA

Unsolicited Customer Photo



Holganix Bio 800⁺

The farmer planted this corn in 42 degrees Fahrenheit soil. "Everyone said I was crazy planting in the cold dirt 7 days ago. Got a sprout on it. I said, when you have a good seed, treat and put Holganix on, no worries." This picture was taken on April 30, 2021.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	Fertilizer 16-24-6

CORN, NORTH DAKOTA

Unsolicited Customer Photo



This is the same crop and farmer from the previous page. The photo demonstrates fully pollinated 89-day corn.

Looks like he wasn't crazy!

This picture was taken on July 27, 2021.

Holgenix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	Fertilizer 16-24-6

Holganix Bio 800⁺

Control



CORN, NORTH DAKOTA

Unsolicited Customer Photo

This picture was taken on August 12, 2021. The grower determined that the Holganix Bio 800⁺ Agriculture treated corn has more kernels and is better filled to the tip, compared to the control.

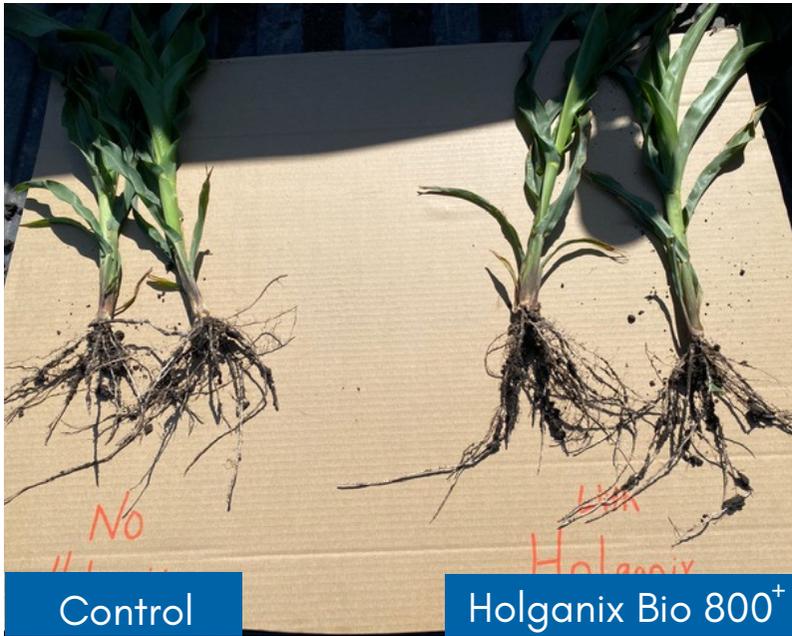
Note: This was a very dry season for this farm.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	Fertilizer 16-24-6

CORN, EASTERN SOUTH DAKOTA

Unsolicited Customer Photos



The Holganix Bio 800⁺ Agriculture treated crop is taller with longer, thicker roots. The grower saw a +2 to +5 bushel per acre increase in yield.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	

CORN, SPRINGFIELD, ILLINOIS

Unsolicited Customer Photos



The crop was planted on May 12, 2020 and these pictures were taken on June 19, 2020. There was no measurable rain since the crop had been planted. This was a corn-on-corn rotation.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	In-furrow
Other Products Used:	10-34-0 at 3.5 gal per acre

CORN, SPRINGFIELD, ILLINOIS

Unsolicited Customer Photos



This is the same crop and farmer from the previous page. See previous page for photo information.

CORN, NORTHWEST ILLINOIS

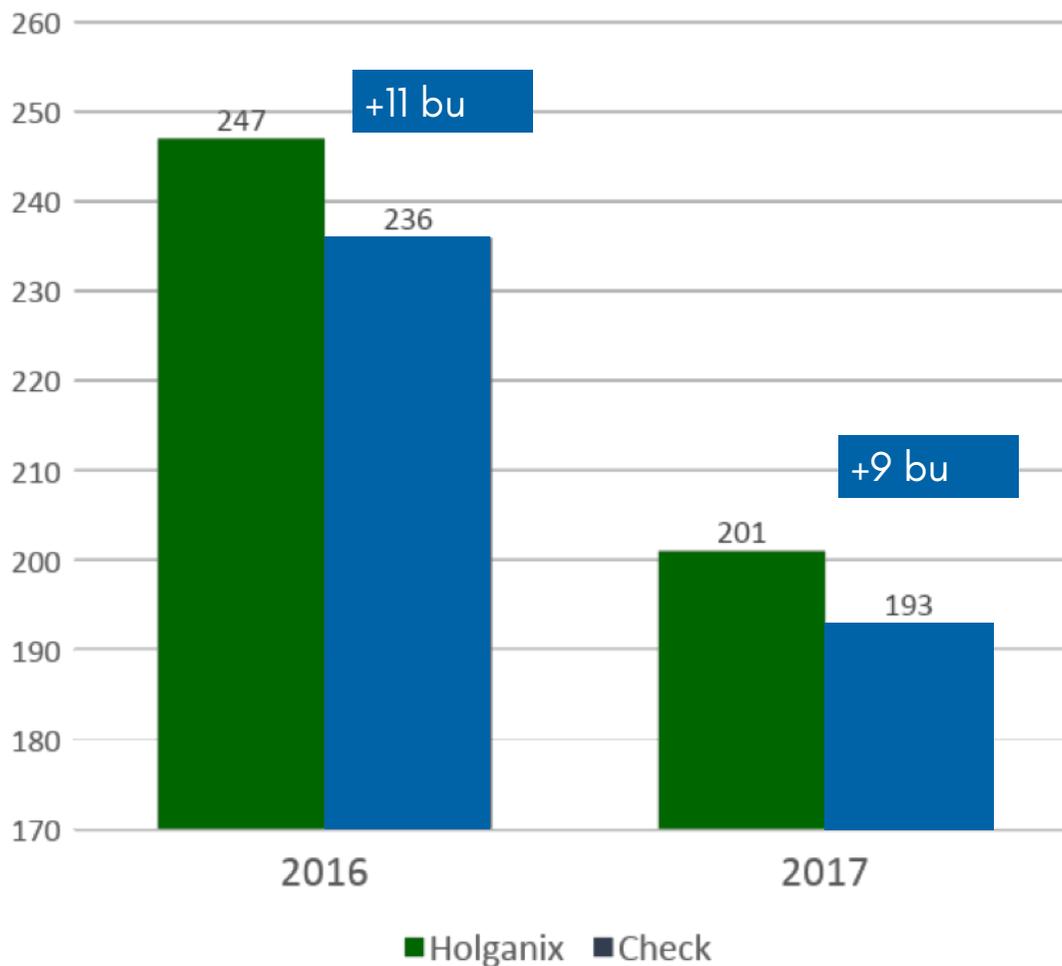
Unsolicited Customer Photo



Nutrien Riser 7-17-3 & Holganix Bio 800⁺

Holganix Bio 800⁺ Only

This photo was taken on June 27, 2020. Holganix Bio 800⁺ Agriculture was applied at 0.5 gal per acre.



CORN, NORTH CENTRAL ILLINOIS

Third Party Research Farm Data

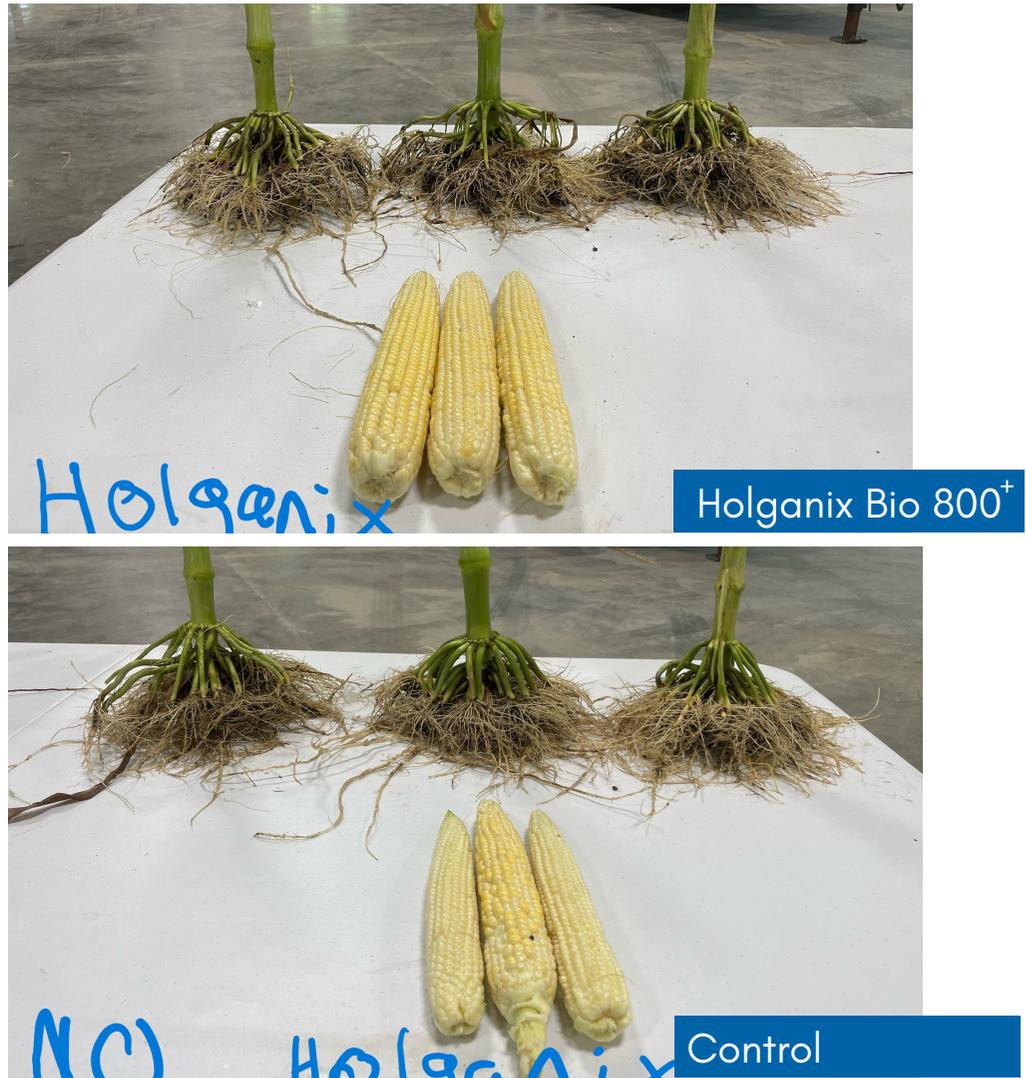
Replicated plots on non-irrigated land. The 2016 rotation was off of soy.

Holganix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	All other inputs were replicated in the control.

CORN, NORTHWEST MISSOURI

Unsolicited Customer Photo



The corn shown above was planted on April 25, 2022. This picture was taken on July 21, 2022. Even though this corn was planted on the same day and hybrid, the grower noticed that Holganix Bio 800⁺ Agriculture treated corn was "way further ahead on kernel fill and pollination."

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	Foliar
Other Products Used:	

CORN, NORTHWEST MISSOURI

Unsolicited Customer Photos



Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	In-furrow
Other Products Used:	

Control



Holganix Bio 800⁺



CORN, WESTERN MISSOURI

Unsolicited Customer Photos

The grower planted this corn on April 27, 2019. The photos above were taken on May 10, 2019. The Holganix Bio 800⁺ Agriculture treated crop demonstrates improved root formation compared to the control.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	All other inputs used were replicated in the control.



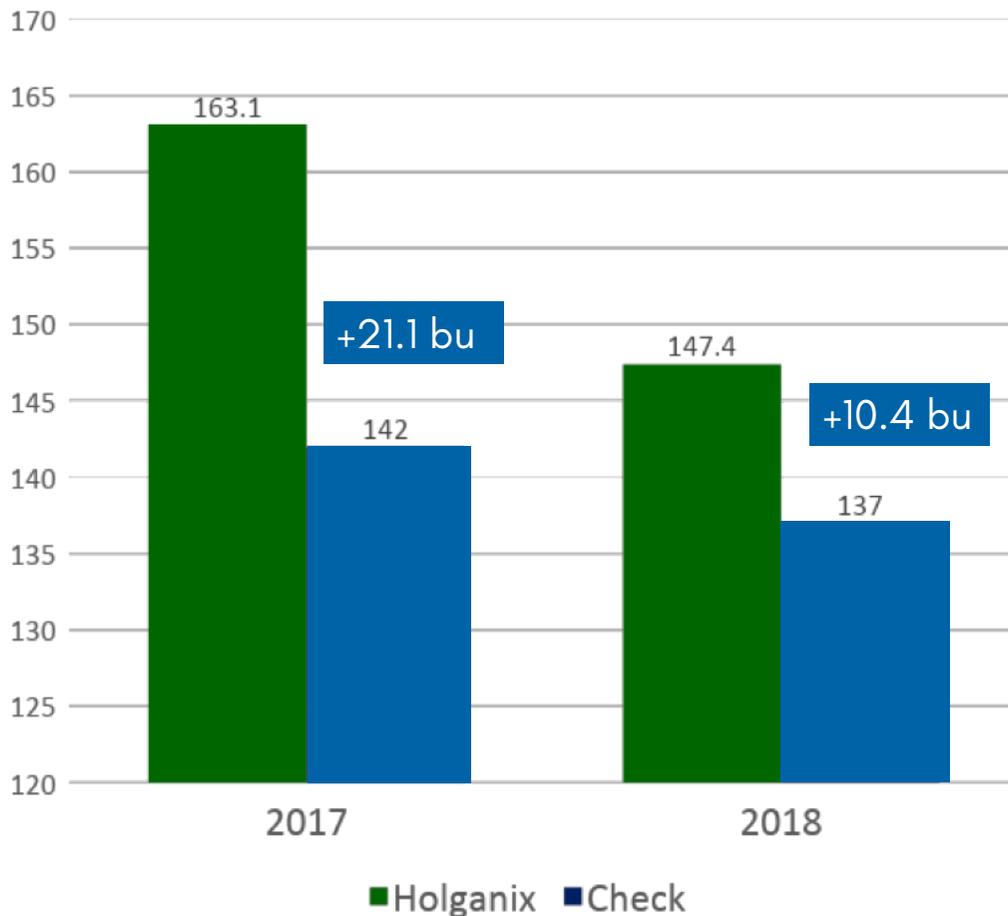
CORN, WESTERN MISSOURI

Unsolicited Customer Photo

The Holganix Bio 800⁺ Agriculture treated crop has improved root formation compared to the control. The grower also saw a +5 bushel per acre advantage.

Holgenix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	Starter Fertilizer. All other inputs were replicated in the control.



CORN, WESTERN MISSOURI

Third Party Research Farm Data

"Best looking corn plot on the farm!" - Researcher.

Replicated plots, with 4 rows per rep. Rows were 500 feet. Land was not irrigated. In 2018, the land saw minimal rain and was very stressed.

Holganix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	Standard Fertilizer. All other inputs were replicated in the control.

CORN, NORTHEAST COLORADO

Unsolicited Customer Photos



Holganix Bio 800⁺



Holganix Bio 800⁺

Both plants were treated with Holganix Bio 800⁺ Agriculture. According to the grower, "I dug one up and was like, there's no way they all look that good. So I dug another one up." The grower saw a +4 bushel per acre increase in yield

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	Planting
App Method:	In-furrow
Other Products Used:	10-34-0



Control



Holganix Bio 800⁺

CORN, OKLAHOMA

Unsolicited Customer Photos

This heirloom native, non-GMO corn was planted on May 1, 2022. The pictures shown above were taken on June 8, 2022. At approximately five weeks, the Holganix Bio 800⁺ Agriculture treated corn is much taller than the control.

Holganix Bio 800⁺ Treatment:

Rate:	1 ounce per gal per week
App Timing:	At planting
App Method:	Foliar
Other Products Used:	Mixed with native soil microbes from in house custom compost tea



CORN, OKLAHOMA

Unsolicited Customer Photos

This photo is from the same crop and farmer from the previous page. The picture was taken by the grower approximately nine weeks after planting the corn on July 18, 2022.

CORN, ONTARIO, CANADA

Unsolicited Customer Photo



The corn shown above was planted on May 13, 2022. This picture was taken on July 20, 2022. The grower noticed a larger and deeper root ball on the corn treated with Holganix Bio 800⁺ Agriculture compared to the control.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	Foliar
Other Products Used:	



CORN, ONTARIO, CANADA

Unsolicited Customer Photos

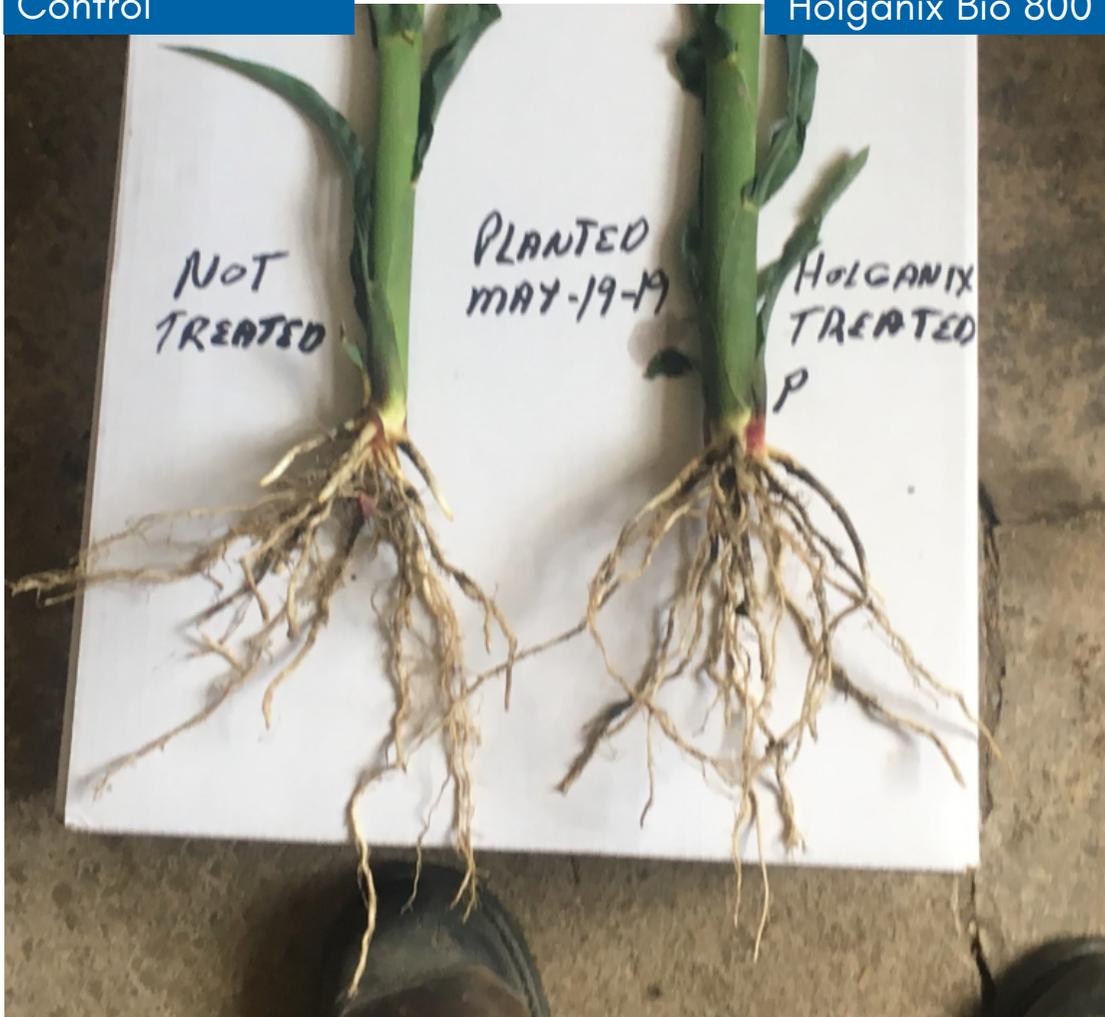
These pictures were taken on June 11, 2021. The grower was amazed to see the root mass and a 5-foot tap root on corn treated with Holganix Bio 800⁺ Agriculture. The grower was astonished that he could even pull the root up without breaking it.

Holgenix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	4.5 gals of starter liquid fertilizer

Control

Holganix Bio 800⁺



CORN, ONTARIO, CANADA

Unsolicited Customer Photo

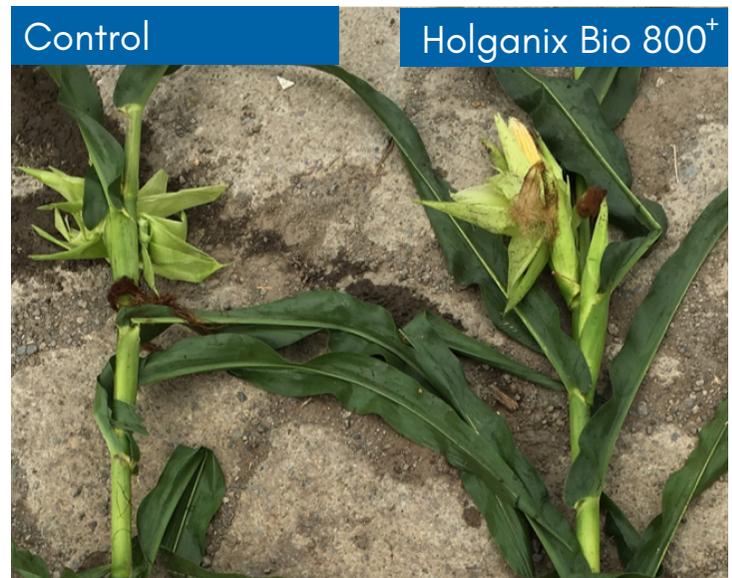
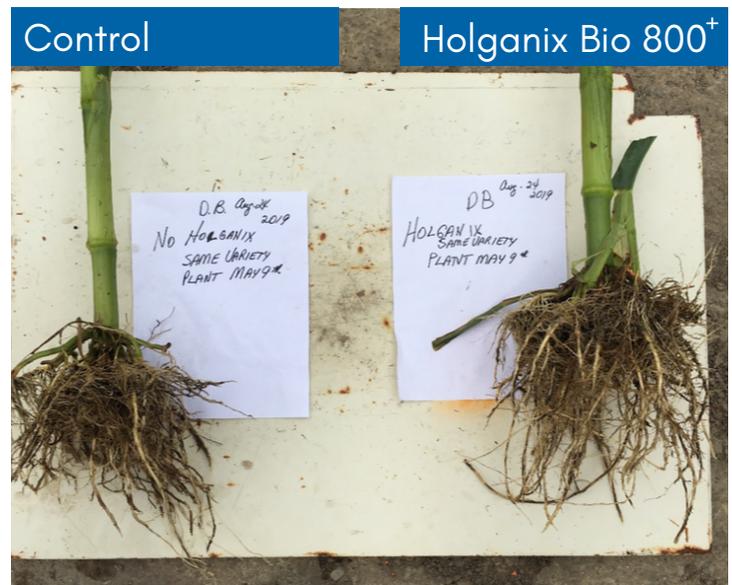
This grower saw a +16.8 bushel per acre advantage. The corn was planted May 19, 2019. The grower determined that the Holganix Bio 800⁺ Agriculture treated corn had larger brace roots and thicker stalks.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	3 weeks after planting
App Method:	Foliar
Other Products Used:	

CORN, ONTARIO, CANADA

Unsolicited Customer Photos



Photos are from the same grower on page 46. The photos demonstrate an increase in root mass and a thicker stalk on the Holganix Bio 800⁺ Agriculture treated crop.

CORN, SOUTHERN AUSTRIA

Unsolicited Customer Photos



Control

Holganix Bio 800⁺



Holganix Bio 800⁺

Control

These pictures were taken on July 3, 2021. The grower saw an 8.5-gram increase in weight of the roots per plant treated with Holganix Bio 800⁺ Agriculture, compared to the control.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	
Other Products Used:	



CORN, SOUTHERN GERMANY

Unsolicited Customer Photo

This photo was taken on August 5, 2021. The Holganix Bio 800+ Agriculture treated crop is taller compared to the control.

Holgenix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	
Other Products Used:	



SOYBEAN DATA

- Rate Recommendation: 0.5 gal per acre at planting
- Typical Yield Increase: 2–6 bu/acre
- Key Benefits:
 - Stronger stems
 - Better roots and nodulation
 - Improved pod set

Several years of university and grower data have been compiled on Holganix Bio 800⁺ Agriculture on soybeans. The photos and testimonials enclosed are just a sample. For additional information please visit: www.Holganix.com/Ag-data



SOYBEAN, SOUTHEAST IOWA

Unsolicited Customer Photo

This picture was taken on June 22, 2022. The soybeans pictured on the left were treated with Holganix Bio 800+ Agriculture at a rate of 0.5 gals per acre, and the soybeans pictured on the right are the control.

Holganix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	
Other Products Used:	

SOYBEAN, SOUTHEAST IOWA

Unsolicited Customer Photo



Control



Holganix Bio 800⁺

These photos are from the same crop and farmer from the previous page. According to the grower, the Holganix Bio 800⁺ Agriculture treated area in the field is much greener than the untreated area. He also saw that the rows treated with Holganix had far fewer issues with leaves that had been eaten. The photos demonstrate that Holganix-treated soybeans are healthier than the control.

SOYBEAN, PENNSYLVANIA

Unsolicited Customer Photo



Soybeans were planted on May 13, 2022. This picture was taken on June 21, 2022. The grower noticed an increase in root and nodule growth in soybeans treated with Holganix Bio 800⁺ Agriculture.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	Pre-emergence
App Method:	Foliar
Other Products Used:	

SOYBEAN, CENTRAL INDIANA

Unsolicited Customer Photo



According to the grower, the untreated roots came up with no dirt, but the treated roots were much more extensive and pulled a lot of dirt. He saw +4 bushel per acre increase in yield over the control.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	2 weeks after emergence
App Method:	Foliar
Other Products Used:	10 gallons of water

SOYBEAN, EASTERN, SOUTH DAKOTA

Unsolicited Customer Photo



According to the dealer, other growers he works within the area using Holganix Bio 800⁺ Agriculture saw a 12 bushel per acre yield increase over the control.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	



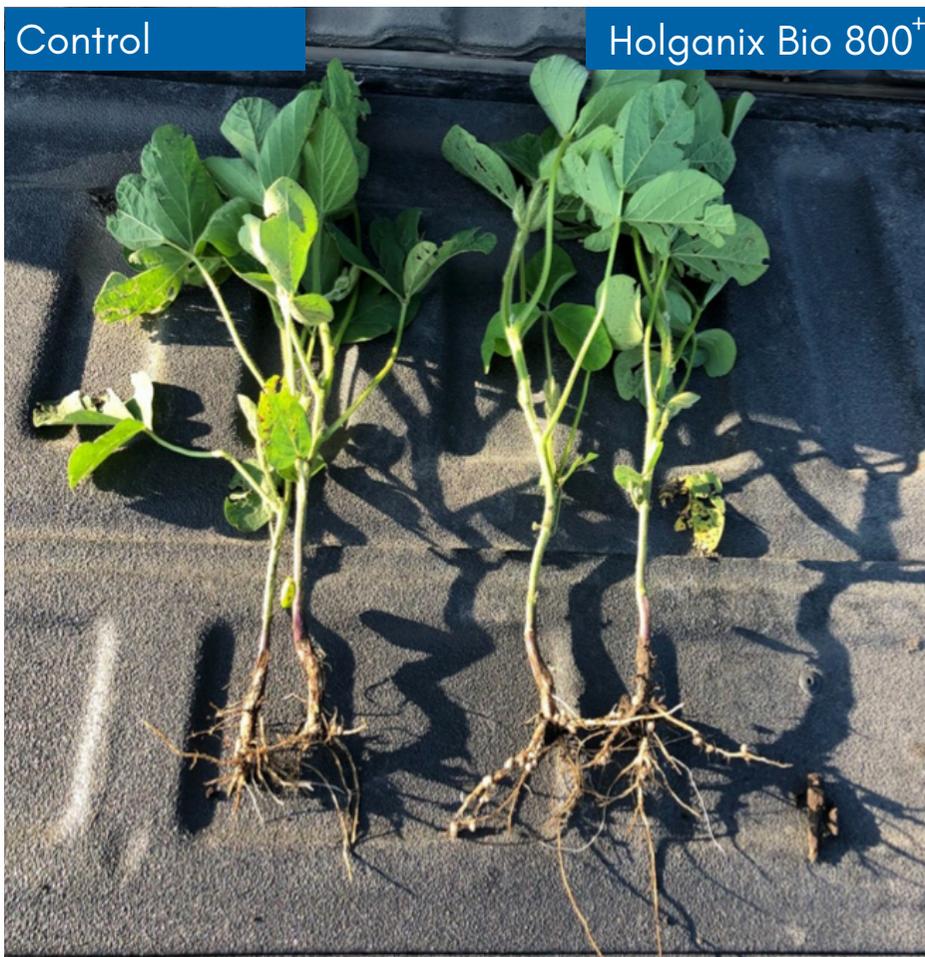
SOYBEAN, NORTH DAKOTA

Unsolicited Customer Photo

This picture was taken on July 22, 2021. According to the grower, "this field has seen only six inches of rain since January 1, 2021."

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	Fertilizer 16-24-6



SOYBEAN, NORTH DAKOTA

Unsolicited Customer Photo

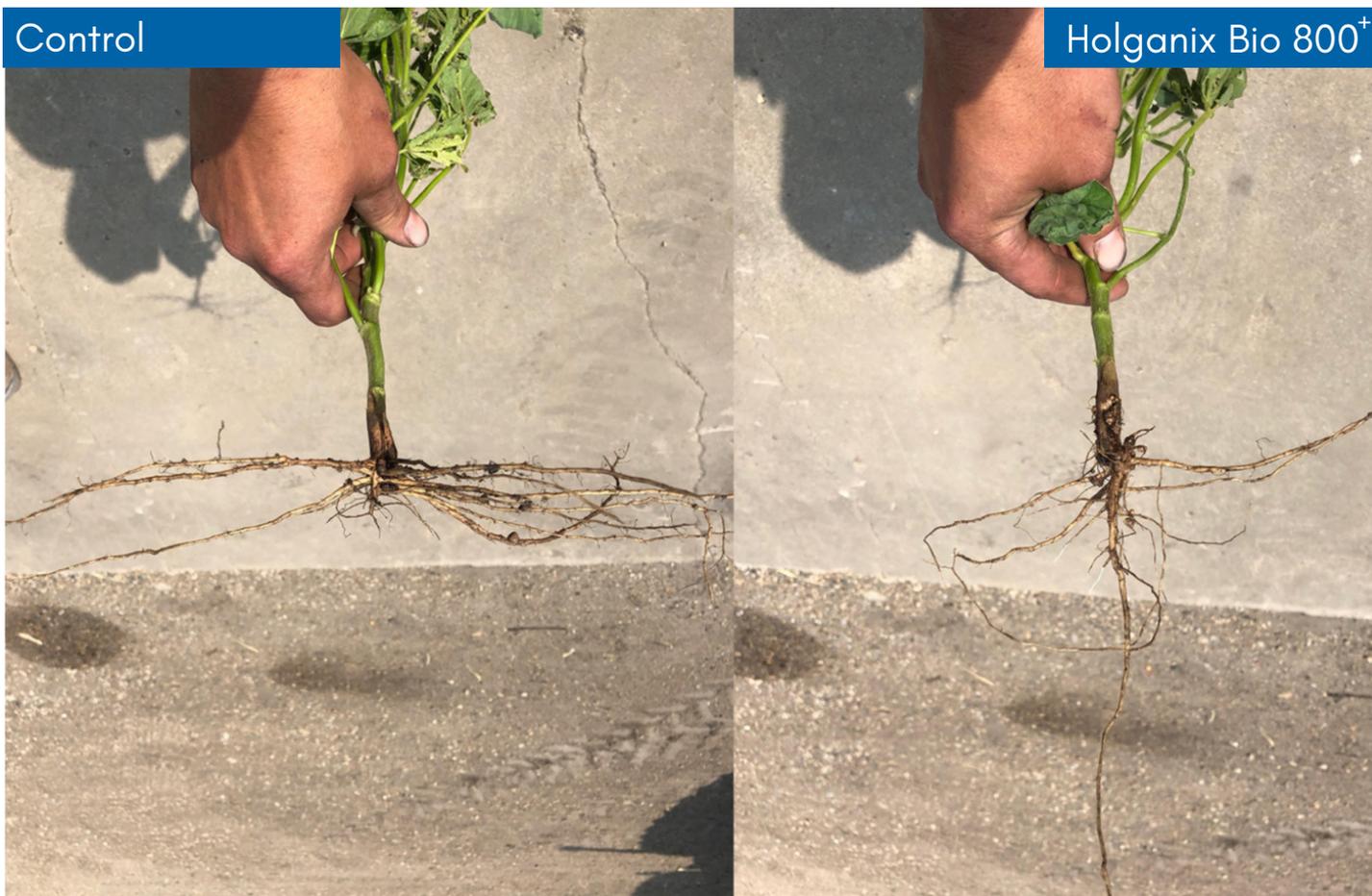
Soybeans were planted on June 15, 2019 due to hail damage that damaged an earlier crop. According to the grower, "We noticed a difference in the rooting between the Holganix crop and the control pretty quickly."

Holgenix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	5 days after planting
App Method:	Foliar
Other Products Used:	

Control

Holganix Bio 800⁺



SOYBEAN, NORTH DAKOTA

Unsolicited Customer Photo

Same crop from the previous page with pictures taken just after flowering. The Holganix Bio 800⁺ Agriculture treated taproots run 8 inches into the soil. The untreated crop's taproots did not penetrate hardpan below seed level.

Just prior to harvest, 11 inches of snow hit the field. The snow flattened the control, while the Holganix Bio 800⁺ Agriculture treated crop pulled 33 bu/ac.



SOYBEANS, SOUTHERN MINNESOTA

Unsolicited Customer Photos

These pictures were taken on August 3, 2021. "I was scouting on some of the no-tilled soybeans where I applied Holganix 800+ Agriculture between the rows...noticed that the nodulation on the soybeans that have Holganix on them show twice the nodules, are larger nodules and the best nodule color I have ever seen." Note: These beans were planted in a severe drought area.

Holgenix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	

SOYBEAN, SOUTHEAST OHIO

Unsolicited Customer Photo



Holgenix Bio 800⁺

Control

Soybeans were planted on May 20, 2022. This picture was taken on August 6, 2022. The grower tested Holganix Bio 800⁺ Agriculture with Helena NutraLink 9-18-9 against the control. He feels that he is seeing more of a soybean response with Holganix Bio 800⁺ Agriculture than just Helena product alone. The photo demonstrates that Holganix-treated soybeans have better roots and nodulation than the control.

Holgenix Bio 800⁺ Treatment:

Rate:	2.0 quart per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	3.0 gals per acre Helena NutraLink 9-18-9



Before



After Treating
with Holganix

SOYBEANS, CENTRAL OHIO

Unsolicited Customer Photos

This grower used Holganix Bio 800+ Agriculture with a burn-down herbicide to accelerate debris breakdown and crop germination and establishment.

Holganix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	Pre-emergence
App Method:	Foliar
Other Products Used:	Roundup Authority XL, Crop Oil, and Detonate herbicide



SOYBEAN, NORTHWEST MISSOURI

Unsolicited Customer Photo

This picture was taken on July 21, 2022. The photo demonstrates that soybeans treated with Holganix Bio 800⁺ Agriculture had longer and more established roots, with better nodule formation, than the control.

Holgenix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	Foliar
Other Products Used:	

SOYBEAN, NORTHWEST MISSOURI

Unsolicited Customer Photos



The Holganix treated crop has thicker roots and more root hairs. It also has thicker stems.

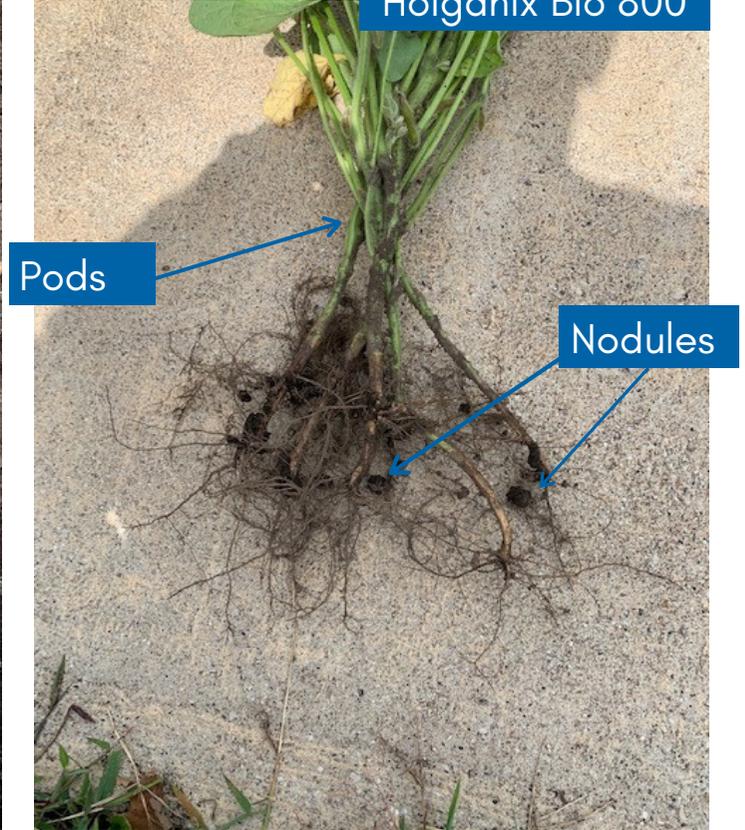
Holgenix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	In-furrow
Other Products Used:	

Control



Holganix Bio 800⁺



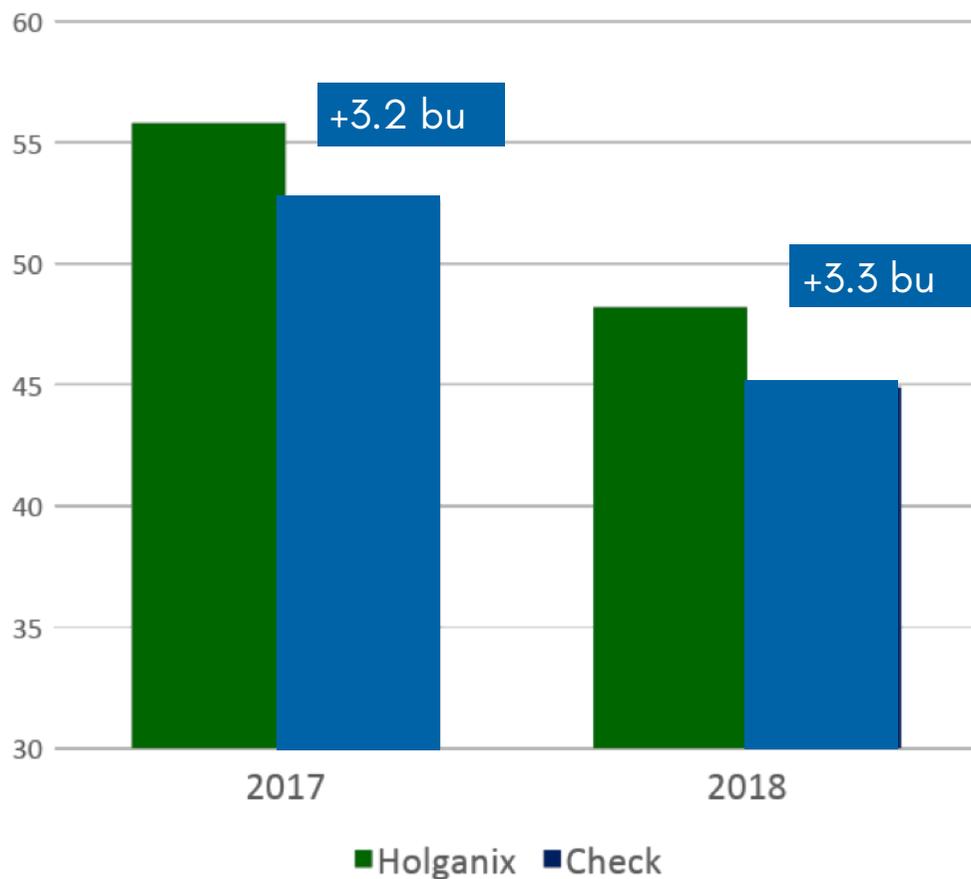
SOYBEAN, WESTERN MISSOURI

Unsolicited Customer Photos

Organic soybeans show improved root, nodule and earlier pod formations with Holganix Bio 800⁺ Agriculture.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	
Other Products Used:	



SOYBEAN, WESTERN MISSOURI

Third Party Research Farm Data

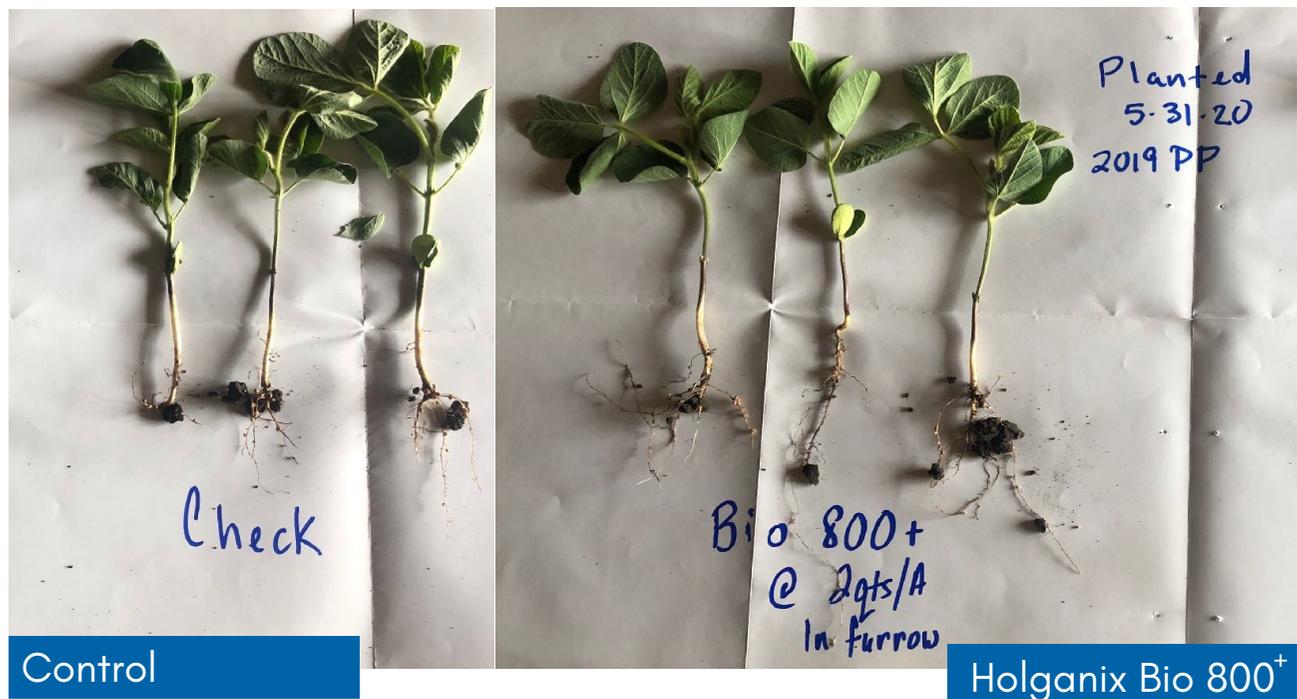
Conditions: Replicated plots, with 4 rows per rep. Rows were 500 feet. Land was non irrigated. In 2018, the land saw minimal rain and was very stressed.

Holganix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	Standard Fertilizer. All other inputs were replicated in the control.

SOYBEAN, NORTHERN ILLINOIS

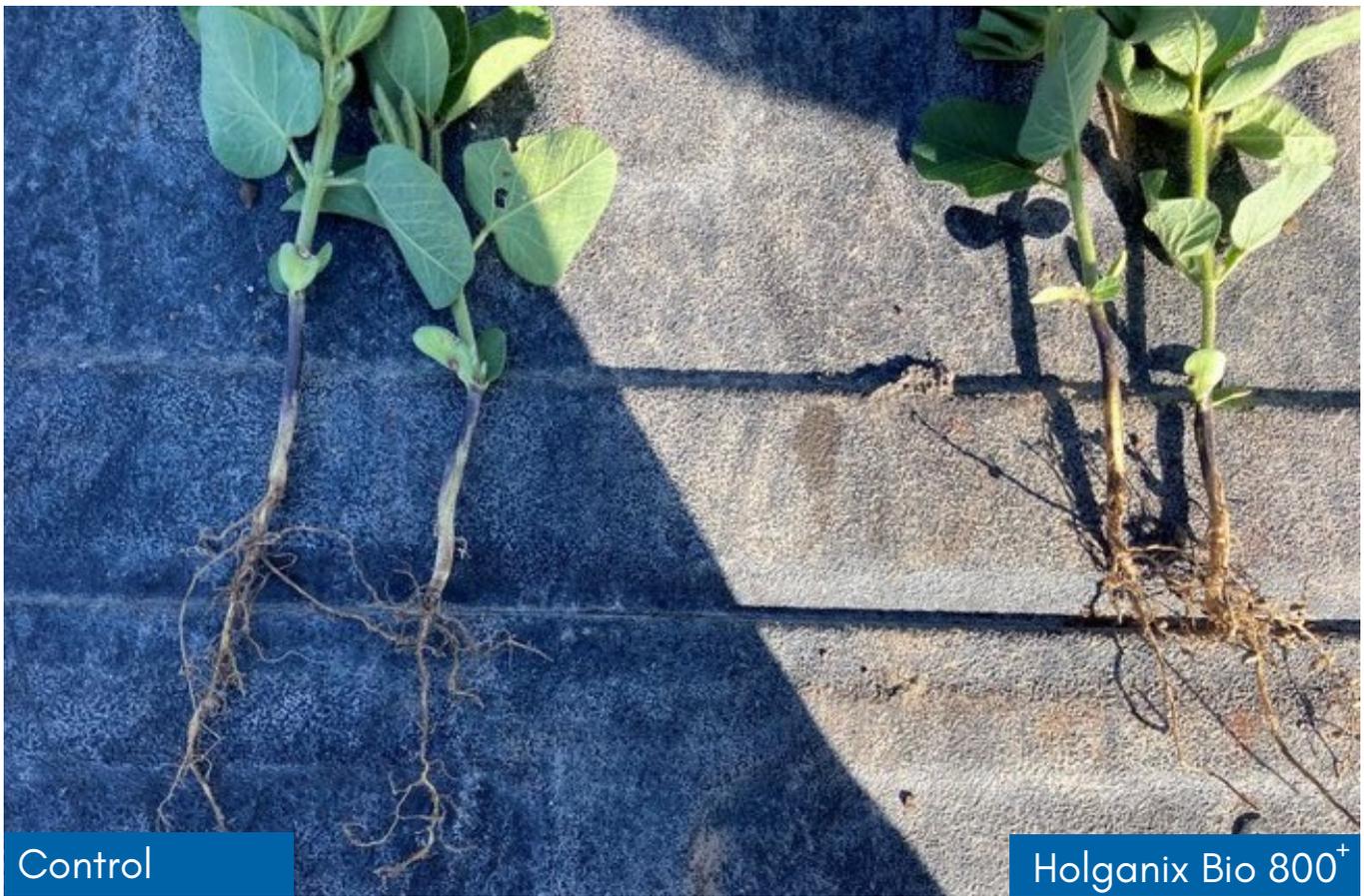
Unsolicited Customer Photos



The crop was planted on May 31, 2020. Holganix Bio 800⁺ Agriculture was applied to the crop on the left at 2 qts per acre, in-furrow. The grower says he saw a +5 bushel per acre yield increase over the control.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	



SOYBEANS, ONTARIO, CANADA

Unsolicited Customer Photo

Soybeans were planted on May 19, 2022. This picture was taken on June 21, 2022. The grower noticed that the Holganix Bio 800+ Agriculture treated soybeans, pictured on the right, show slightly more root mass and significantly more nodules than the control, pictured on the left.

Holganix Bio 800+ Treatment:

Rate:	0.5 gal per acre
App Timing:	Pre-emergence
App Method:	Foliar
Other Products Used:	



Horganix Bio 800⁺

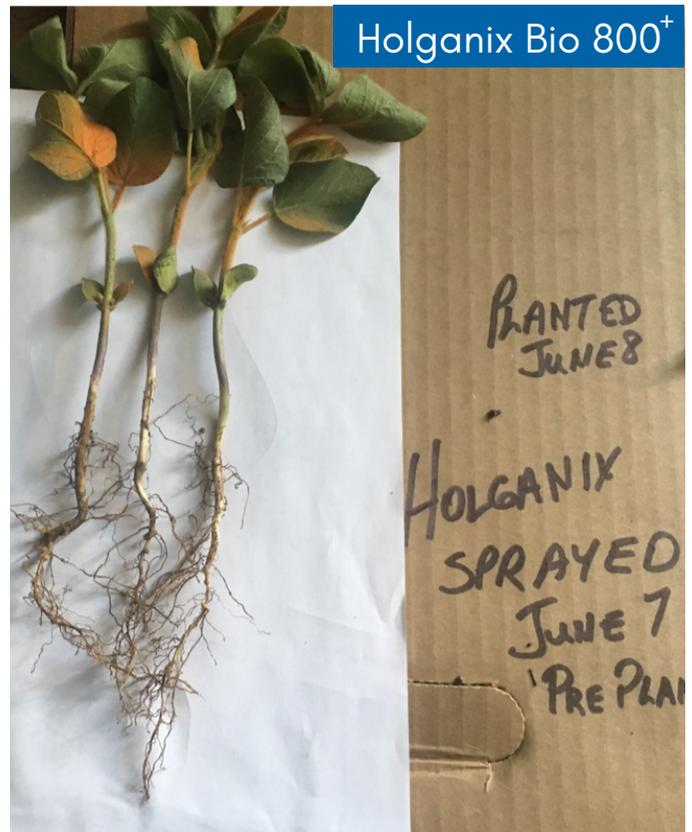
SOYBEANS, ONTARIO, CANADA

Unsolicited Customer Photo

This picture was taken on June 11, 2021. "We are amazed at how much nodulation there was already this early in the season." According to the grower, other growers he works with 300 miles away, using Horganix Bio 800⁺ Agriculture, received a +5 bushel per acre yield advantage on soybeans, similar to what he has seen.

Horganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	
Other Products Used:	Pre-emergent Herbicide



SOYBEAN, ONTARIO, CANADA

Unsolicited Customer Photos

The grower saw a +3 to +8 bu/ac yield advantage. The grower also saw longer roots with more root hairs with the Holganix Bio 800⁺ Agriculture crop. Note: The orange spray paint was used by the grower to mark treated plants.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	One day pre-plant
App Method:	Foliar
Other Products Used:	All other inputs were replicated in the control.

Control

Holganix Bio 800⁺

NO Holganix Aug 23,

Holganix Aug 23, 2019



SOYBEAN, ONTARIO, CANADA

Unsolicited Customer Photo

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	One day pre-plant
App Method:	Foliar
Other Products Used:	All other inputs were replicated in the control.



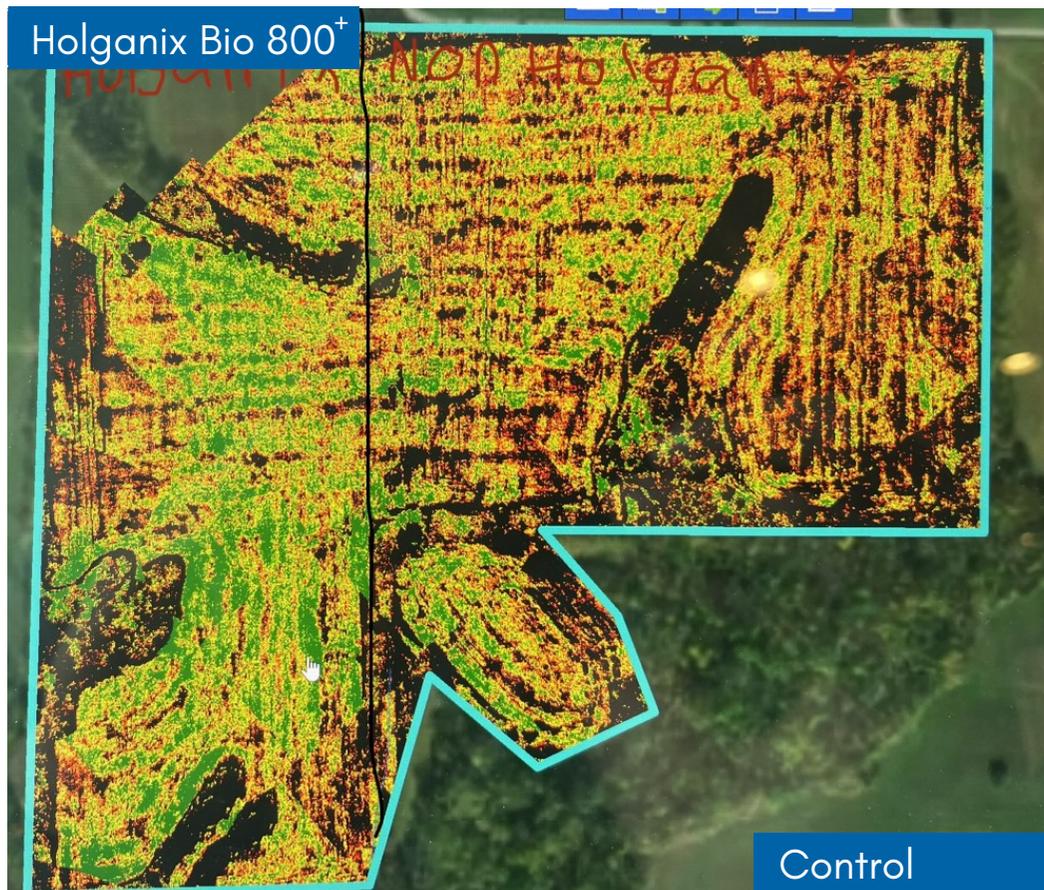
WHEAT DATA

- Rate Recommendation: 0.5 gal per acre at planting. For winter wheat a spring foliar application can be made if a fall application isn't practical
- Key Benefits:
 - Increased root mass, better crown roots, more tillers
 - More seed rows per head

Several years of university and grower data have been compiled on Holganix Bio 800⁺ Agriculture on wheat. The photos and testimonials enclosed are just a sample. For additional information please visit: www.Holganix.com/Ag-data

WHEAT, NORTHWEST MISSOURI

Unsolicited Customer Photo



The wheat shown above was planted on November 16, 2021. This drone NDVI image was taken on May 19, 2022. The grower did a foliar application of Holganix Bio 800⁺ Agriculture on April 19, 2022. The photo demonstrates that the Holganix-treated part of the wheat field is much healthier than the control.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	
App Method:	Foliar
Other Products Used:	

WINTER WHEAT

Third Party Research

Application	Spring Only		Fall Only		Fall & Spring	
Holganix Cohort	% +/- control	Win/total trials	% +/- control	Win/total trials	% +/- control	Win/total trials
1	10%	4/5	4%	2/2	2%	1/1
2	11%	5/5	1%	1/1		
3	-7%	3/5	1%	1/1	1%	1/1
4	8%	1/1	8%	1/1	8%	1/1
5	2%	4/6	11%	2/2	3%	1/1
6	32%	1/1				
7	2%	1/1	2%	1/1	2%	1/1
Weighted Average	4.2%	19/24 (79%)	5.8%	7/8 (88%)	3.8%	5/5 (100%)

Holganix partnered with third-party researchers to evaluate Holganix Bio 800+ Agriculture performance on 5,000 acres of winter wheat across 37 locations, spanning 7 states from Oklahoma to Ohio.

- Eight locations were treated with Holganix Bio 800+ Agriculture at 0.5 gallons per acre at planting in the fall. The fall-treated locations saw 88% wins over the control.
- 24 locations received spring applications at 0.5 gallons per acre when the crop began growing again. The spring-treated locations saw 79% wins.
- Five locations received both a fall and spring application and saw 100% wins.

For many major agtech companies, a product is deemed commercially viable if the win total % meets or exceeds 70%. A 79% win would be viewed as a strong result, while 88% or 100% would be viewed as exceptional.



WINTER WHEAT, KANSAS

Unsolicited Customer Photo

The Holganix Bio 800+ Agriculture treated crop has thicker, deeper roots than the control including the crown roots. The grower saw a +12 to +18 bushel per acre advantage.

Holgenix Bio 800+ Treatment:

Rate:	0.5 gal per acre in 15 gallons of water
App Timing:	5 days after planting
App Method:	Foliar
Other Products Used:	



Control

Holganix Bio 800⁺

WINTER WHEAT, KANSAS

Unsolicited Customer Photo

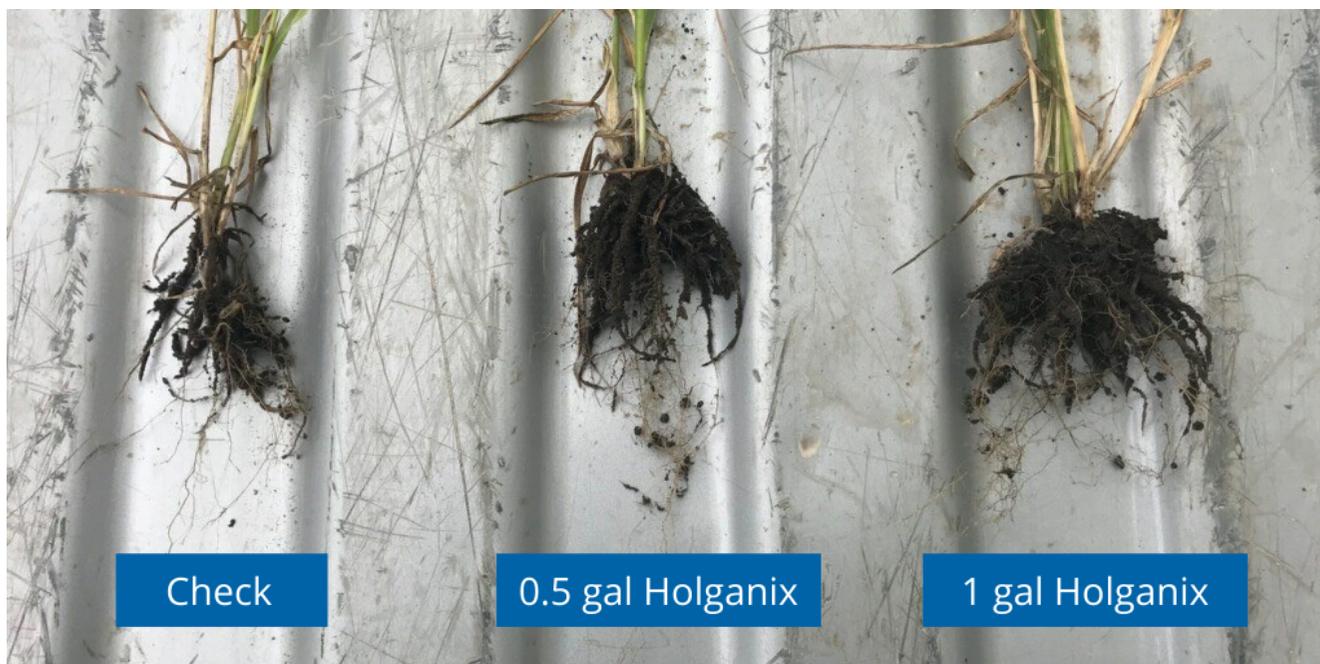
Same grower and spot as the previous pictures. This photo was taken in spring, of 2019. Holganix Bio 800⁺ Agriculture treated crop is 43 inches tall with 17 rows of seed compared to the control at 39 inches tall and 13 rows of seed.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre in 15 gallons of water
App Timing:	5 days after planting
App Method:	Foliar
Other Products Used:	

WINTER WHEAT, KANSAS

Unsolicited Customer Photo



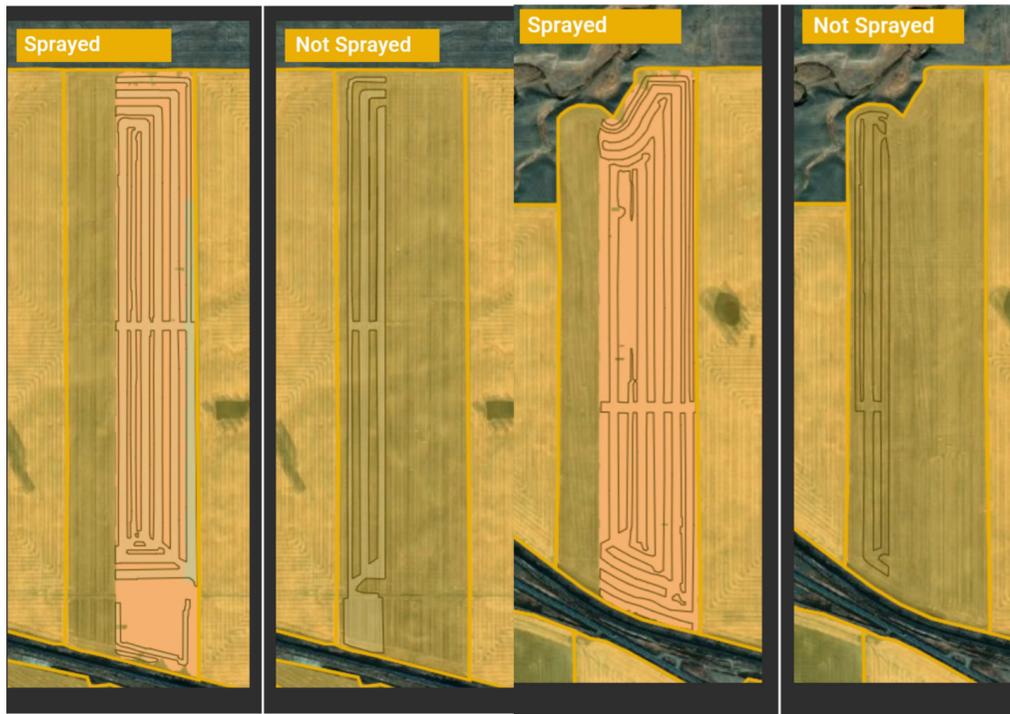
This organic winter wheat photo was taken on May 12, 2020. Holganix Bio 800+ Agriculture applied one time, in the spring.

Holganix Bio 800+ Treatment:

Rate:	As shown in picture
App Timing:	Spring application
App Method:	Foliar
Other Products Used:	

DURUM WHEAT, MONTANA

Unsolicited Customer Data



	Yield bu/acre	Return/acre*	Total acres
Holganix	47.29	\$283.72	58.72
Check	42.42	\$254.51	31.5
Holganix benefit	4.87	\$29.21	
Holganix	51.07	\$306.39	57.2
Check	46.69	\$280.15	19.96
Holganix benefit	4.38	\$26.24	

The data above is from two different fields but each time the treated and check were adjacent fields to one another. The rate is 0.5 gal per acre and was applied as a spring application.

*\$6 per bushel price



PRODUCE & SPECIALTY DATA

- Rate Recommendation: Varies depending on crop
- Key Results:
 - Higher yield
 - More extensive roots
 - Higher brix
 - Stronger plants

Several years of university and grower data have been compiled on Holganix Bio 800+ Agriculture on produce and specialty crops. The photos and testimonials enclosed are just a sample. For additional information please visit: www.Holganix.com/Ag-data

PEANUTS, SOUTHEAST MISSOURI

Unsolicited Customer Photo



These photos were taken on July 14, 2022. The peanuts pictured on the right were treated with Holganix Bio 800⁺ Agriculture at 0.5 gals per acre. Both the treated and the control groups were irrigated under pivot. The grower claims that "pegs started to set 7-10 days earlier in the treated plants versus the untreated plants."

COTTON, SOUTHEAST MISSOURI

Unsolicited Customer Photo



Control

Holganix Bio 800⁺



Control

Holganix Bio 800⁺



Control

Holganix Bio 800⁺



Control

Holganix Bio 800⁺

The above pictures were taken on July 14, 2022. The cotton pictured on the right was treated with Holganix Bio 800⁺ Agriculture at 0.5 gals per acre.

Note: Both the treated and the control groups were non-irrigated.

OATS, SOUTHEAST IOWA

Unsolicited Customer Photo



These oats were planted on May 27, 2022. This picture was taken on July 13, 2022. The photo demonstrates that Holganix Bio 800⁺ Agriculture treated oats have better roots and taller stems than the control.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre with 15 gals of water
App Timing:	Within a week of planting
App Method:	Sprayed Pre-emerge
Other Products Used:	



SWEET POTATOES, OKLAHOMA

Unsolicited Customer Photos

These pictures were taken on September 23, 2021. The grower harvested over 1 lb. per square foot in yield. According to the grower, "I also saw a reduction in fertilizer. For larger areas, Holganix Bio 800+ Agriculture decreased the need for fertilizer, but in the garden beds, I was able to eliminate fertilizer. I could just use Holganix Bio 800+ Agriculture and still have thriving plants with a bountiful harvest."

"After about 6 weeks I had some disease issues, so I applied to the soil and foliar. Within a week, I had no more disease issues and really had no damage, as it seemed to have repaired the disease wilt that had occurred," explains the grower.

Holgenix Bio 800+ First App:

Rate:	1 oz per gal of water
App Timing:	Soil prepping
App Method:	Foliar
Other Products Used:	His own microbial inoculants

Holgenix Bio 800+ Second & Third App:

Rate:	8 oz per gal of water
App Timing:	At 6 weeks growing stage and fruiting stage
App Method:	Foliar
Other Products Used:	His own microbial inoculants



POTATOES, NORTHEAST INDIANA

Unsolicited Customer Photo

This picture was taken on July 23, 2022. These Yukon potatoes, pictured on the top, were treated with Holganix Bio 800⁺ Agriculture at planting, at a rate of 0.5 gals per acre.

Another application of Holganix Bio 800⁺ Agriculture was applied three weeks after the potato plants emerged. Overall, the grower noticed an "unbelievable size and amazing root system." He claims that the plants were more than 30 inches tall.

POTATOES, NORTHEAST INDIANA

Unsolicited Customer Photo



This picture was taken on July 23, 2022. The red Pontiac potatoes were treated with Holganix Bio 800⁺ Agriculture at planting, at a rate of 0.5 gals per acre.

Another application of Holganix Bio 800⁺ Agriculture was applied three weeks after the potato plants emerged. The grower claims that he harvested 19 potatoes from one plant.



POTATOES, NORTHEAST INDIANA

Unsolicited Customer Photo

This picture was taken on August 2, 2021.

Holganix Bio 800⁺ Treatment:

Rate:	1 gal per 200 square feet
App Timing:	Applied to the soil when first planted, then once mid-season, followed up with another application 2 weeks before harvesting.
App Method:	Foliar using hose-end sprayer
Other Products Used:	

GREEN BEANS, NORTHEAST INDIANA

Unsolicited Customer Photo



Horganix Bio 800⁺

This picture was taken on July 16, 2022. The green beans, pictured on the top, were foliar sprayed with Horganix Bio 800⁺ Agriculture at planting. This is the second picking, and the grower later reported a third.

Horganix Bio 800⁺ Treatment:

Rate:	
App Timing:	First application at planting
App Method:	Foliar
Other Products Used:	

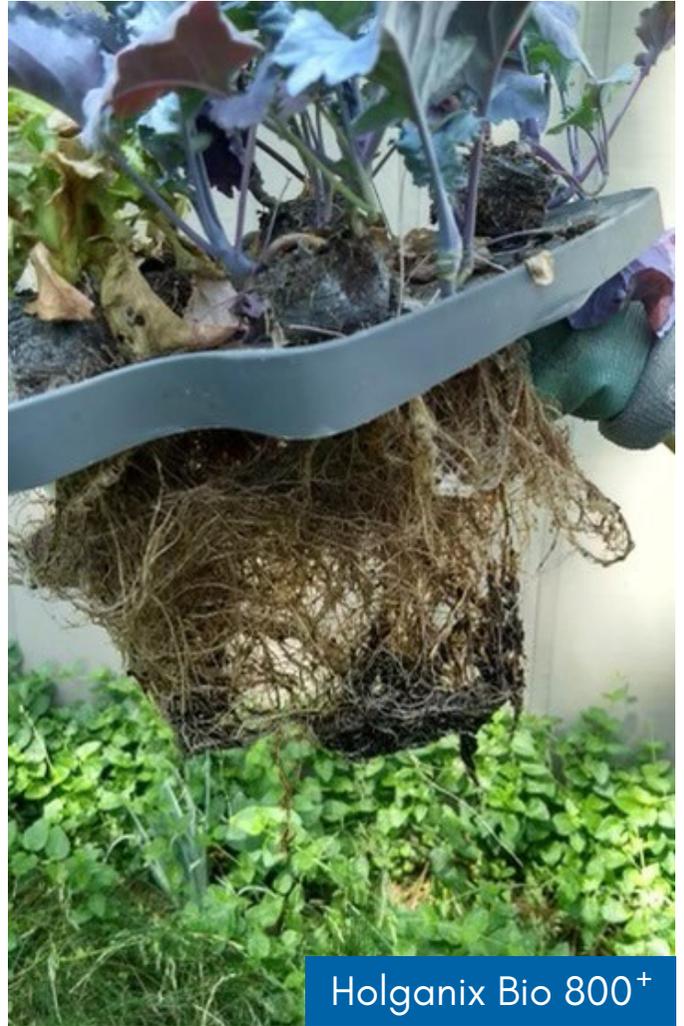
LETTUCE, NORTHEAST INDIANA

Unsolicited Customer Photos



This photo was taken on April 19, 2022. The grower planted this lettuce late last fall in an unheated high tunnel. He harvested last year, leaving the plants in the ground all winter. He claims that "Great roots equal another harvest, despite being in an unheated tunnel in Northeast Indiana (where it's not warm)."

Holganix Bio 800⁺



Holganix Bio 800⁺

LETTUCE & KOHLRABI, NORTHEAST INDIANA

Unsolicited Customer Photos

Hydroponic lettuce and kohlrabi experiment. These pictures were taken on June 12, 2021. Note: The leaves of the plants pictured were already harvested once about 4 weeks prior.

Holganix Bio 800⁺ Treatment:

Rate:	2 oz per gal of water
App Timing:	Applied twice over 6 weeks
App Method:	Watering can
Other Products Used:	



TOMATOES, NORTHEAST INDIANA

Unsolicited Customer Photos

These tomatoes were planted from seed on April 5, 2021. The grower said, "almost killed me to dig it up to show the roots, but I am sure it will recover with another application of Holganix or Holganix Bio 800+ Agriculture." The photo was taken on June 2, 2021.

Holganix Bio 800+ Treatment:

Rate:	1 quart per gal of water
App Timing:	At transplanting, then another app midseason
App Method:	Foliar
Other Products Used:	Mixed in with his own fertilizers



Control

Holganix Bio 800⁺

TOMATO, INDIANA

Research Grower Data

According to the grower, "Holganix Bio 800⁺ Agriculture treated Tomatoes yielded 51.3 tons per acre while the untreated came in at 46.7 tons per acre. That's a 10x payback over the cost of the Holganix Bio 800⁺ Agriculture used per acre." The grower used the product over 4 years on processing tomatoes and saw 2 to 4 tons per acre yield increases.

Holganix Bio 800⁺ First App:

Rate:	2 gal per acre
App Timing:	At planting
App Method:	Foliar
Other Products Used:	Standard Inputs

Holganix Bio 800⁺ Second & Third App:

Rate:	1 gal per acre
App Timing:	At 4 and 8 weeks after transplanting
App Method:	Foliar
Other Products Used:	Standard Inputs



SUNFLOWER, NORTHEAST INDIANA

Unsolicited Customer Photo

According to the grower, "The plants are over 12 feet tall with an amazing amount of flowers. The roots are amazing; even have adventitious roots forming on the stalks which I've never seen before." The photo was taken on July 25, 2021.

Holganix Bio 800+ Treatment:

Rate:	200 gals of water to 1 gal of Bio 800+ mixed in with his fertilizer program
App Timing:	Total three applications throughout the growing season
App Method:	Foliar
Other Products Used:	Mixed with grower's own fertilizers



SWEET PEPPER, INDIANA

Unsolicited Customer Photo

According to the grower, "The high tunnel is 3,000 square feet but planted as if it were an acre. In other words, it's planted very tight. Results were terrific! I just pulled the pepper plant and the roots looked like they were trees."

Holgenix Bio 800+ First App:

Rate:	1.5 gals per acre
App Timing:	Applied when plants were very young
App Method:	Foliar
Other Products Used:	Standard inputs

Holgenix Bio 800+ Second App:

Rate:	1 gal per acre
App Timing:	Two weeks after first app
App Method:	Drip
Other Products Used:	Standard inputs



DATIL PEPPER, FLORIDA

Unsolicited Customer Photo

According to the grower, "After growing Datil's for 15 years, I have never seen a crop so beautiful with fruit so large." The grower reports that the Holganix Bio 800⁺ Agriculture crop has increased vigor and a heavier fruit set compared to the control.

Holgenix Bio 800⁺ Treatment:

Rate:	2.25 gal per acre
App Timing:	Every other week
App Method:	Drip irrigation
Other Products Used:	50% less fertilizer used than the control

BEETROOT, ONTARIO, CANADA

Unsolicited Customer Photo



Control

Holgenix Bio 800⁺

This photo was taken by the grower on September 26, 2022. The organic beetroots, pictured on the right, were treated with Holganix Bio 800⁺ Agriculture, at a rate of 7 oz per 1,000 square feet. The control is pictured on the left. "I had never had beets that were 13" round that was not woody. I'm very impressed and look forward to using the product next year," says the grower.

Holganix Bio 800⁺



Holganix Bio 800⁺

LEEKS, ONTARIO, CANADA

Unsolicited Customer Photos

These photos were taken on October 25, 2021. The grower said he's "never seen such roots and leeks as this year." His garlic crop, which he's been growing for 10 - 15 years, "never better." "I put the Holganix on twice this year on both." He added, "usually pulling out garlic is much easier!" He had to use a shovel to remove the garlic (not heavy ground) and "never had such healthy and large plants."

Holganix Bio 800⁺ Treatment:

Rate:	One small spoonful
App Timing:	Planting
App Method:	In-furrow
Other Products Used:	



NAVY BEANS, NORTH DAKOTA

Unsolicited Customer Photo

The photo above was taken on July 22, 2021. These beans were planted in 30-inch rows, irrigated, and grown using Holganix Bio 800⁺ Agriculture. The grower commented that these were some of the best beans he's seen.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal per acre
App Timing:	At planting
App Method:	In-furrow
Other Products Used:	Fertilizer 16-24-6

PUMPKIN AND BUTTERNUT SQUASH NORTH DAKOTA

Unsolicited Customer Photos

Holganix Bio 800⁺



Holganix Bio 800⁺



Photos were taken on July 26, 2021.

Holganix Bio 800⁺ Treatment:

Rate:	16 oz per gallon of water
App Timing:	Every 2 weeks throughout the growing season
App Method:	Foliar
Other Products Used:	



PINTO BEANS, NORTH DAKOTA

Unsolicited Customer Photo

This picture demonstrates Holganix Bio 800⁺ Agriculture at 0.5 gals per acre, at 1 gal per acre, compared to a control.

Holganix Bio 800⁺ Treatment:

Rate:	0.5 gal and 1 gal depending on row
App Timing:	Post-emergence
App Method:	Foliar
Other Products Used:	All other inputs were replicated in the control.



Control

Holganix Bio 800⁺

ONIONS, NORTH DAKOTA

Unsolicited Customer Photo

The Holganix Bio 800⁺ Agriculture treated crop is larger and more developed than the control.



EGGPLANT, PENNSYLVANIA

Research Grower Data

The Holganix Bio 800+ Agriculture treated crops were taller, had more and earlier flowering compared to the control and had more extensive roots than the control.

Holganix Bio 800+ Treatment:

Rate:	2 ounces per gallon of water
App Timing:	Immediately after planting, second application four weeks later
App Method:	Drench over the planted row
Other Products Used:	All inputs were replicated in the control.



Control

Holganix Bio 800⁺

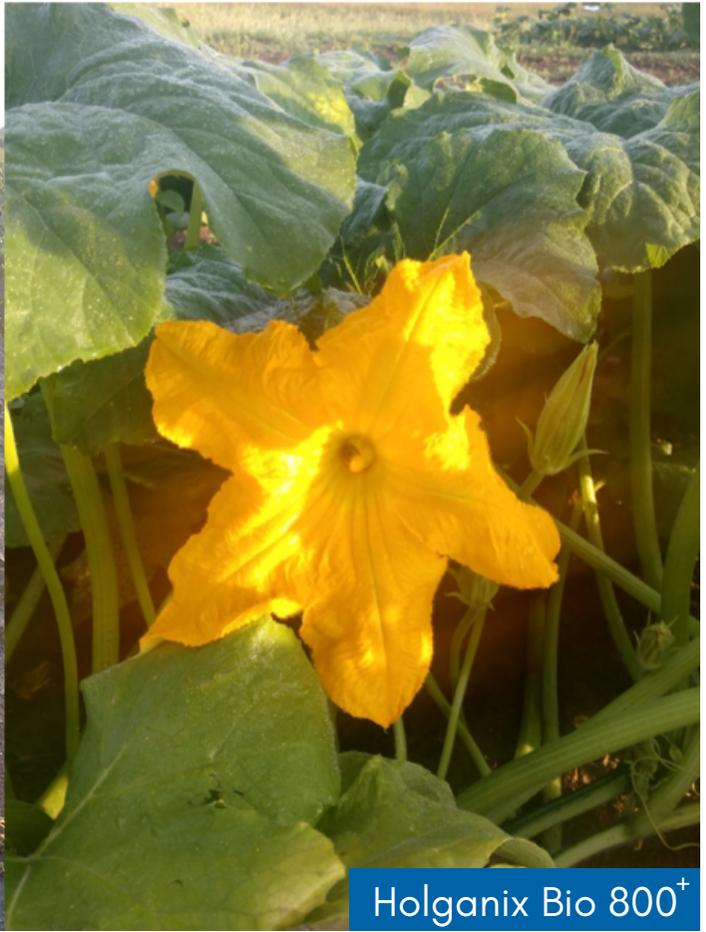
CUCUMBER, KENTUCKY

Unsolicited Customer Photo

The grower was able to harvest the Holganix Bio 800⁺ Agriculture crop earlier than the control, and the Holganix Bio 800⁺ Agriculture crop had a higher yield than the control.

Holganix Bio 800⁺ Treatment:

Rate:	First application at 2 gal per acre, additional apps at 1 gal.
App Timing:	At planting, then apps at 4 & 8 weeks
App Method:	
Other Products Used:	



Holganix Bio 800⁺

Holganix Bio 800⁺

PUMPKIN, NORTHERN ILLINOIS

Unsolicited Customer Photos

According to the grower, "the Holganix Bio 800⁺ Agriculture pumpkins are very vigorous with very large blooms and very big plants."

Holganix Bio 800⁺ Treatment:

Rate:	1.25 gal per acre in 20 gal of water
App Timing:	Emergence, with two additional apps
App Method:	Foliar
Other Products Used:	Herbicides



Control

Holgenix Bio 800⁺

TOMATO, NORTHERN ILLINOIS

Unsolicited Customer Photo

According to the grower, "The Holganix Bio 800⁺ Agriculture crops are very big and already setting tomatoes. I would say they are a good week ahead of the control."

Holgenix Bio 800⁺ Treatment:

Rate:	1 quart per gal of water
App Timing:	At emergence, again when plant were 1 ft tall
App Method:	Foliar
Other Products Used:	



TOMATO, MASSACHUSETTS

Unsolicited Customer Photo

These tomatoes were grown in the ground in a greenhouse. The Holganix Bio 800⁺ Agriculture treated crops flowered two weeks earlier, the flowers were more profuse and they reached first fruit earlier than the control.

Holganix Bio 800⁺ Treatment:

Rate:	2 oz per gallon of water
App Timing:	At transplanting
App Method:	Root dip
Other Products Used:	All other inputs were replicated in the control.



Bio 800+ Tree and Shrub

WINE, MASSACHUSETTS

Research Grower Data

Alfalfa Farm Winery reports a 55% average increase in yield in their Sevyal Blanc, Leon Millot and Marechal Foch. In addition, they report that their brix index has increased by an average of 26% compared to the control. According to the grower, "we are very excited to see how Holganix continues to promote the health of our grapes."

Bio 800+ Tree & Shrub Treatment:

Rate:	0.5 gal per acre
App Timing:	Weekly from greening to harvest
App Method:	Mister sprayed to runoff
Other Products Used:	Insecticides

BLUEBERRY, MICHIGAN

Third Party Research Farm Data

	Avg. Weight/berry (g)	Brix/acid ratio
July 27 pick		
Check	1.62	17.8
Holganix	1.67	20.1
August 10 pick		
Check	1.16	24.9
Holganix	1.51	31.7

Each Pick date includes data from 5 locations across the farm; 5 reps per location

Each sample was 250 grams per rep

Bio 800+ Tree & Shrub program:

- Fall 1 gal/acre during bud set banded under bushes
- Early spring, tight cluster, 1 gal/acre ground applied
- Bud break, 1 qt/acre foliar or drip
- Early pink bud, 1 qt/acre foliar
- Petal fall, 1 qt/acre foliar
- Mid-green berry stage, 2 qts/acre foliar
- Every application mixed with 1 pint 3-18-18 except last 2 with 1 qt.

BLACKBERRIES, NORTH CAROLINA

Unsolicited Customer Photo



Bio 800⁺ Tree and Shrub



Control

These pictures shown above were taken by the grower on August 10, 2022.

In April, the blackberries shown in the left picture were treated with 1.5 gallons per acre of Bio 800⁺ Tree and Shrub, through drip irrigation, followed by 1 gallon per acre applications in May, June, and July.

The right picture is the control.

BLACKBERRIES, NORTH CAROLINA

Unsolicited Customer Photo



Bio 800⁺ Tree and Shrub



Control

These photos are from the same crop and farmer from the previous page. According to the grower, the blackberry bushes treated with the Bio 800⁺ Tree and Shrub look much healthier in comparison to the control. In addition, Holganix-treated bushes have fewer leaf issues and less disease pressure.

Over the course of 4 pickings, a week apart, the Holganix-treated berries were 21% heavier and had 11% higher Brix.

PEACH ORCHARD, NORTH CAROLINA

Unsolicited Customer Photos



Bio 800⁺ Tree and Shrub

Lakeside Peach Orchard in North Carolina reports that, "Bio 800⁺ Tree and Shrub helped with disease pressure, drought tolerance, brix index, and to achieve overall healthier trees. Notice the difference from the start to the current day. It's very impressive to see the amount of growth."

Holganix Bio 800⁺ Tree & Shrub Treatment:

Rate:	2.25 gals per 150 gals of water per acre
App Timing:	1 application every month
App Method:	Pull-behind sprayer
Other Products Used:	Blue Sky 21-0-0; Prebiotic 2-10-20; Bioherbicide to curb weeds



Control

Bio 800⁺ Tree and Shrub

GUAVA, FLORIDA

Unsolicited Customer Photo

This grower has sandy and rocky soils. Notice the steep drop off in color between the Bio 800⁺ Tree and Shrub treated crop and the control.

Bio 800⁺ Tree & Shrub Treatment:

Rate:	2.25 gal per 100 gal of water
App Timing:	1 application every 3 months
App Method:	Soil drench
Other Products Used:	All other inputs were replicated in the control.



Control

Bio 800⁺ Tree and Shrub

Control

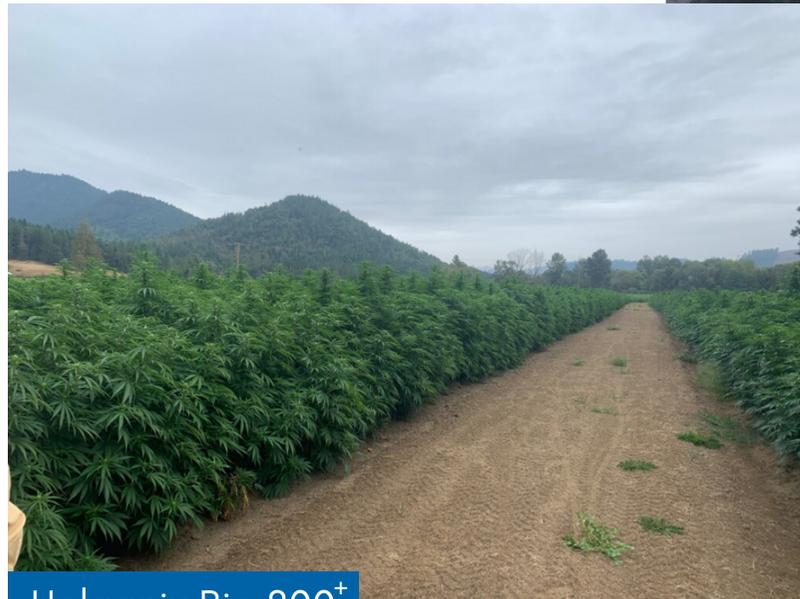
TREE NURSERY, NEW YORK

Unsolicited Customer Photo

The picture was taken in 2018 in late summer when temperatures were both hot and dry. The red maple trees were bare root planted in the spring of 2018. The trees that were treated with Bio 800⁺ Tree and Shrub are a foot larger in growth and a 30% larger caliber.

Bio 800⁺ Tree & Shrub Treatment:

Rate:	3.5 ounces per tree
App Timing:	At planting
App Method:	Soil drench
Other Products Used:	



Holganix Bio 800⁺

Holganix Bio 800⁺

HEMP, OREGON

Unsolicited Customer Photos

All crops were treated with Holganix Bio 800⁺ Agriculture. The grower saw 3.2 to 4.1 lbs of flower per plant compared to neighboring fields that saw 2.2 pounds. The grower also saw an 18 to 21% oil yield and only a 0.01% loss after transplant. Please note that this is higher than our standard rate. For this grower, his ROI on yield far outweighed the cost of the product.

Holganix Bio 800⁺ Treatment:

Rate:	2.25 gallons per acre
App Timing:	Weekly
App Method:	Injection/drip tape
Other Products Used:	15-15-15 Fertilizer



NATIVE MEADOW BARLEY CALIFORNIA

Unsolicited Customer Photos

"Seems like more roots than normal to us," says the grower. This crop was planted on October 2021. This photo was taken on September 27, 2022.

Holganix Bio 800⁺ Treatment:

Rate:	1 gal per acre
App Timing:	Once a year in fall before planting
App Method:	Soil injection near seedlings
Other Products Used:	Mixed with pre-plant liquid fertilizer

Holganix Bio 800⁺



Holganix Bio 800⁺

NATIVE GRASS SEED PRODUCTION, CALIFORNIA

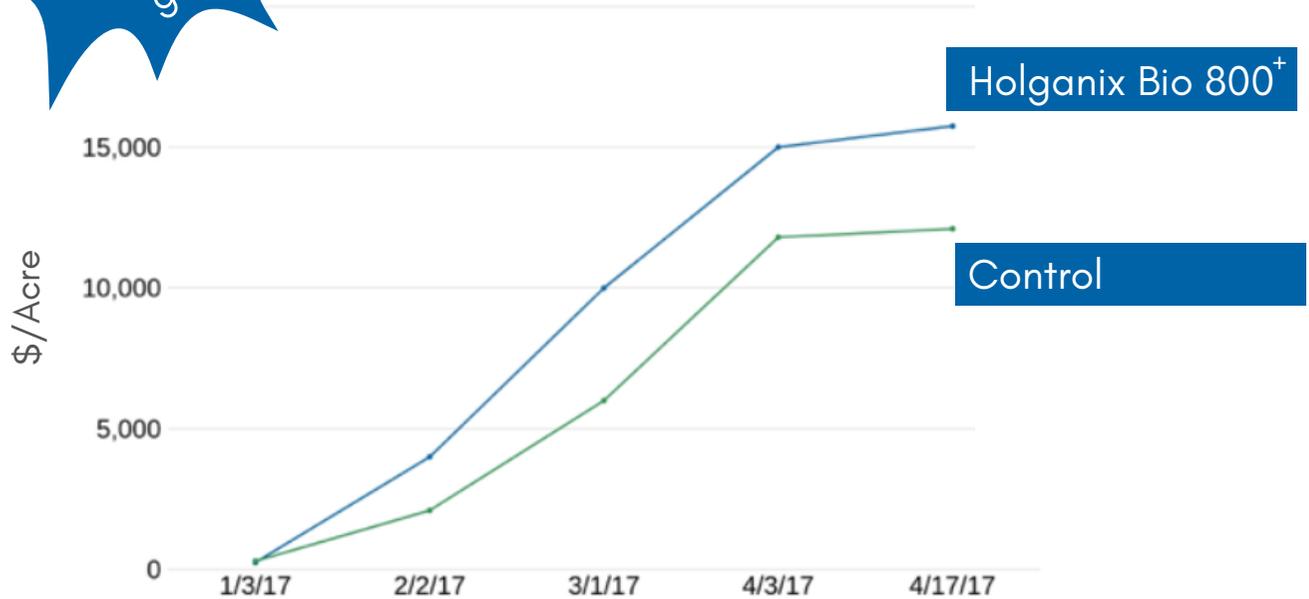
Unsolicited Customer Photos

After using Holganix Bio 800⁺ Agriculture for 4 years, "our soil has improved, and we are happy with the yields in fields treated with Holganix versus the control".

Holganix Bio 800⁺ Treatment:

Rate:	1 gal per acre
App Timing:	Once a year in fall before planting
App Method:	Soil injection near seedlings
Other Products Used:	Mixed with 8-24-6 liquid fertilizer

**\$3,000 per
acre yield
gain**



STRAWBERRIES, CALIFORNIA

Research Grower Data

In Ventura County, California, a researcher used Holganix Bio 800⁺ Agriculture on a commercial field. He achieved a \$3,000 per acre higher yield in the strawberries and was able to harvest earlier than other growers.

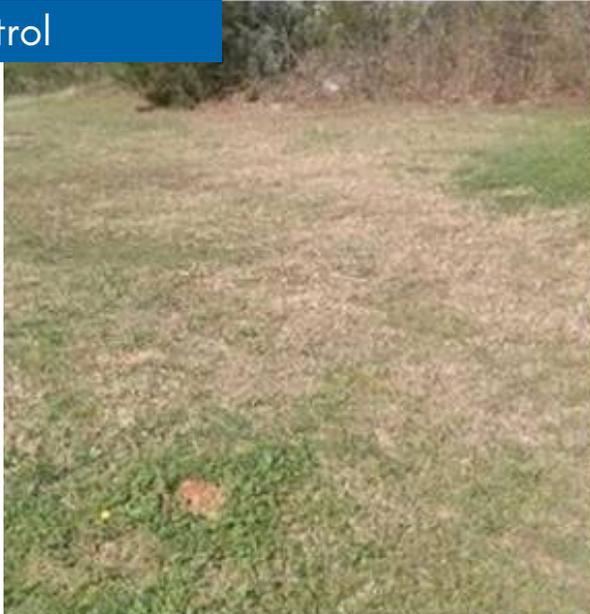
Holganix Bio 800⁺ Treatment:

Rate:	2.4 gal per acre
App Timing:	1 application every month
App Method:	Drip
Other Products Used:	All other inputs were replicated in the control.

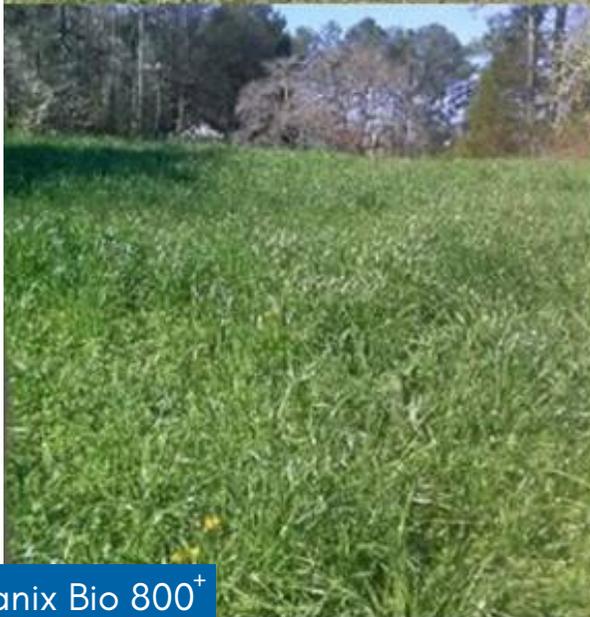
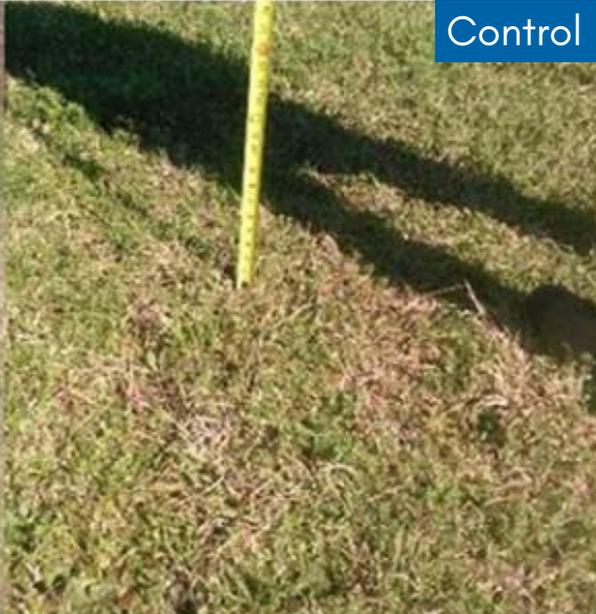
PASTURE, ALABAMA

Unsolicited Customer Photos

Control



Control



Holganix Bio 800⁺



Holganix Bio 800⁺

All four photos were taken in the same field. The top two were seeded with fescue mix and no fertilizer or weed control. The bottom two are seeded with fescue mix and two applications of Holganix Bio 800⁺ Agriculture.

GOLF GREEN, SOUTH CAROLINA

Unsolicited Customer Photos



Bio 800⁺ Golf



Bio 800⁺ Golf



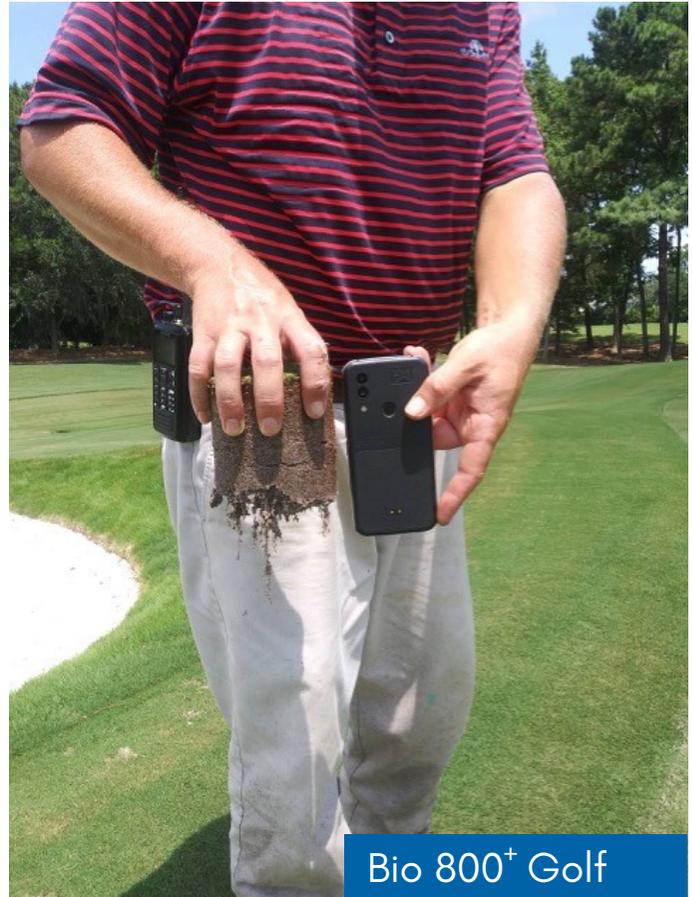
Bio 800⁺ Golf

"Bio 800⁺ Golf just makes sense," explains Joey Franco, Director of Agronomy at Daniel Island Club. "The soil microbes improve soil health, and with good soil health, you see turf quality improvements throughout the golf course."

Here are some photos of roots, from a TifEagle Green, that was planted in June of 2021 and was treated with Bio 800⁺ Golf every two weeks, at a rate of 14 ounces per 1,000 square feet. The picture on the left was taken in November 2021, the middle picture was taken in March of 2022. The last picture was taken in May of 2022.

Bio 800⁺ Golf Treatment:

Rate:	14 oz per 1,000 sq. ft.
App Timing:	Every two weeks
App Method:	
Other Products Used:	



GOLF GREEN, SOUTH CAROLINA

Unsolicited Customer Photos

These photos of TifEagle Greens were taken on August 3, 2022, and are from the same golf course on the previous page.

"Here are some really great pictures of our new greens at 11 weeks old," says Joey Franco, Director of Agronomy at Daniel Island Club.

GOLF GREEN, NEVADA

Unsolicited Customer Photo



"From a one and a half inch root net on greens to a six inch root net!"

LAWN, NORTHEAST OHIO

Unsolicited Customer Photos



These photos were taken by the lawn care professional of this customer's lawn on July 29, 2022. This non-irrigated, 96,000 square feet lawn was treated with Bio 800⁺ Turf. The treatment was applied six weeks prior to the start of drought conditions. The lawn care professional said, "This is the first time, the lawn looked decent in summer. Both my customer and I are very impressed with the results."

Bio 800⁺ Turf Treatment:

Rate:	5.5 oz per 1,000 square feet
App Timing:	6 weeks prior to start of drought
App Method:	
Other Products Used:	0.75 oz of Trimec

LAWN, NORTHEAST INDIANA

Unsolicited Customer Photos



Top, seeded 3 weeks prior, watered daily
Bottom, seeded 2 weeks prior, **Bio 800⁺ Turf** at seeding and watered daily



Seed covered with straw after planting on both lawns.

Bio 800⁺ Turf Treatment:

Rate:	7 oz per 1,000 sq. ft.
App Timing:	Right after seeding
App Method:	Hose-end sprayer
Other Products Used:	

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