



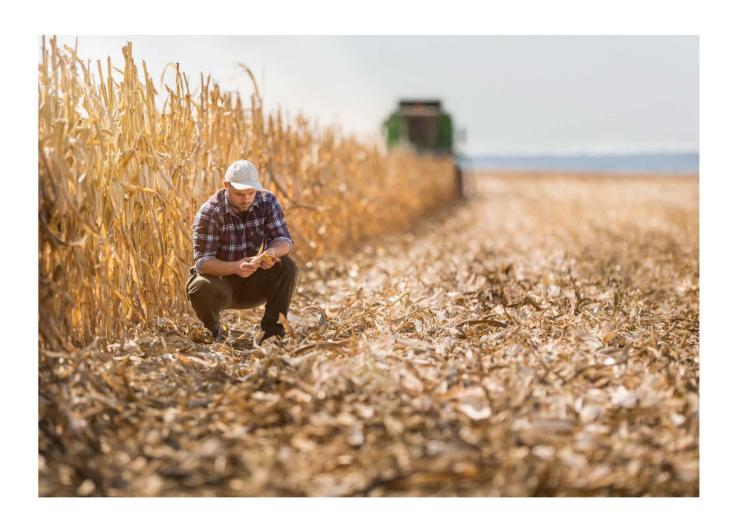
BIO 800⁺

Soil Health. Yield. Sustainability.

Holganix Bio 800[†] 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 have been compiled on Holganix Bio 800⁺ on corn. The photos and testimonials enclosed are just a sample. For additional information please visit: www.Holganix.com/Ag-data

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+ treated crop. "Needless to say, my interest level just perked up!" – Farmer

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 3. "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+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.

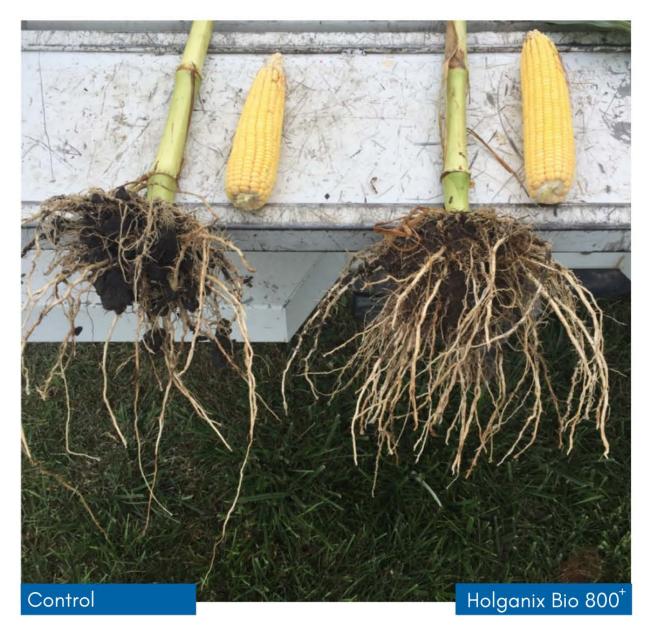


CORN, WEST CENTRAL INDIANA

Unsolicited Customer Photo

This is the same crop and farmer from the previous page. This grower saw a +54 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.

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, INDIANA

Unsolicited Customer Photo

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.

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



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.

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.

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 picture was taken on August 12, 2021. The grower determined that the Holganix Bio 800⁺ 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.

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





CORN, CENTRAL IOWA

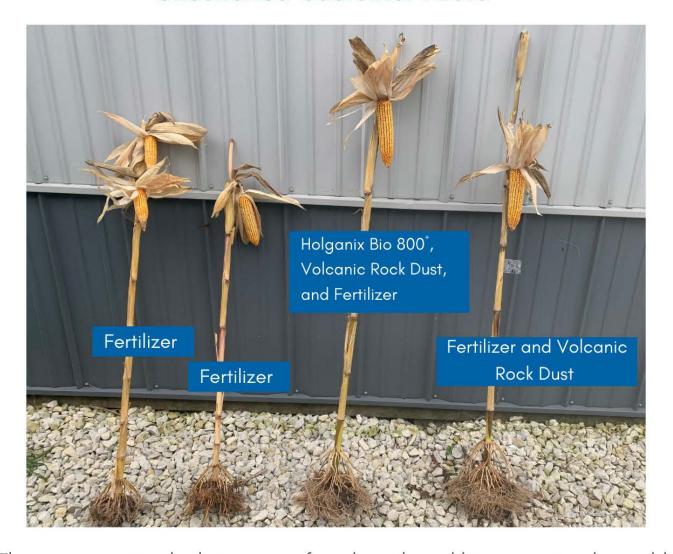
Unsolicited Customer Photos

These pictures were taken in June, 2021. The grower determined that the Holganix Bio 800⁺ 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."

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⁺. 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.

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



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+ 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 18, 2021. According to the grower, the Holganix Bio 800⁺ 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."

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





CORN, KANSAS

Unsolicited Customer Photos

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

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



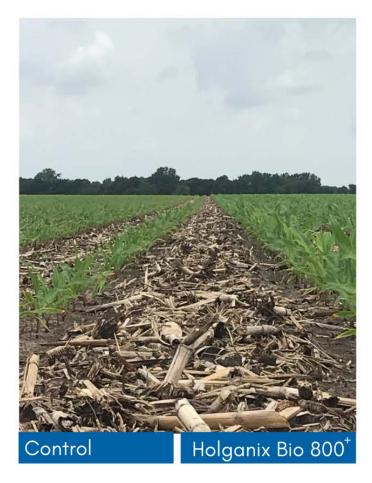
CORN, CENTRAL ILLINOIS

Unsolicited Customer Photo

This farmer saw a +15 to +30 bushel per acre advantage. The corn was planted on June 7 and was a corn on corn rotation. Picture was taken on October 1. 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.

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





CORN, CENTRAL ILLINOIS

Unsolicited Customer Photos

This corn was planted on June 6. These pictures were taken on June 28. 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!"

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, SPRINGFIELD, ILLINOIS

Unsolicited Customer Photos



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

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



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





CORN, WESTERN MISSOURI

Unsolicited Customer Photos

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

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

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, NORTHWEST MISSOURI

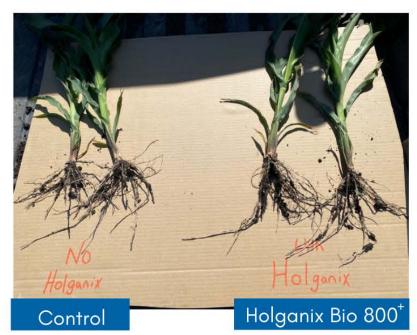
Unsolicited Customer Photos



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

CORN, EASTERN SOUTH DAKOTA

Unsolicited Customer Photos





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

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

CORN, NORTHEAST COLORADO

Unsolicited Customer Photos



Both plants were treated with Holganix Bio 800[†]. 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

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





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⁺. The grower was astonished that he could even pull the root up without breaking it.

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



CORN, ONTARIO, CANADA

Unsolicited Customer Photo

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

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 27. The photos demonstrate an increase in root mass and a thicker stalk on the Holganix Bio 800⁺ treated crop.

CORN, SOUTHERN AUSTRIA

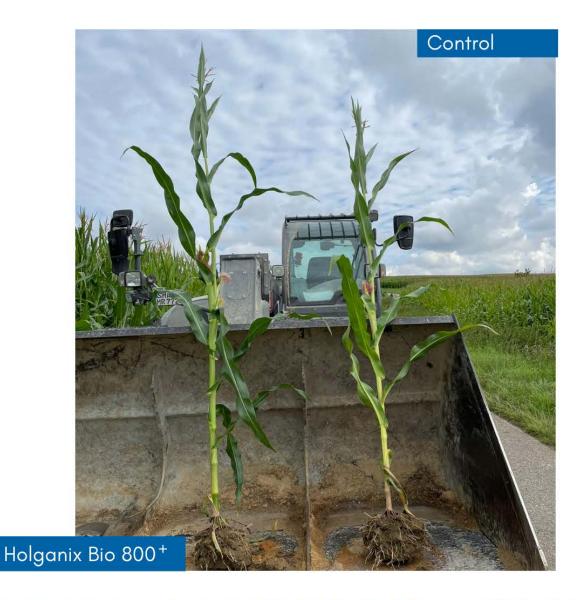
Unsolicited Customer Photos





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° , compared to the control.

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

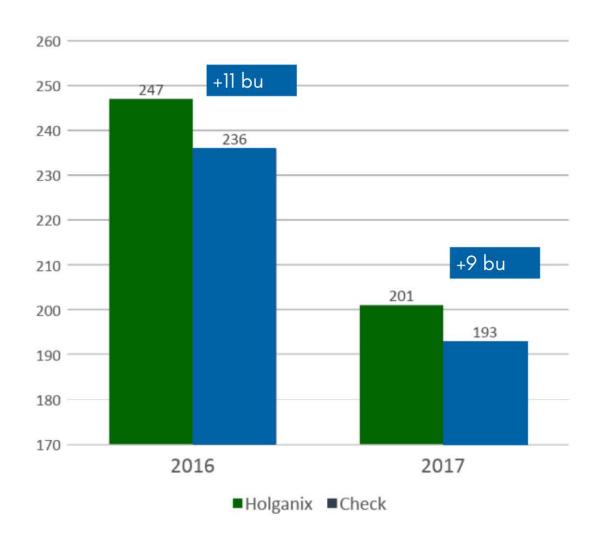


CORN, SOUTHERN GERMANY

Unsolicited Customer Photo

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

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

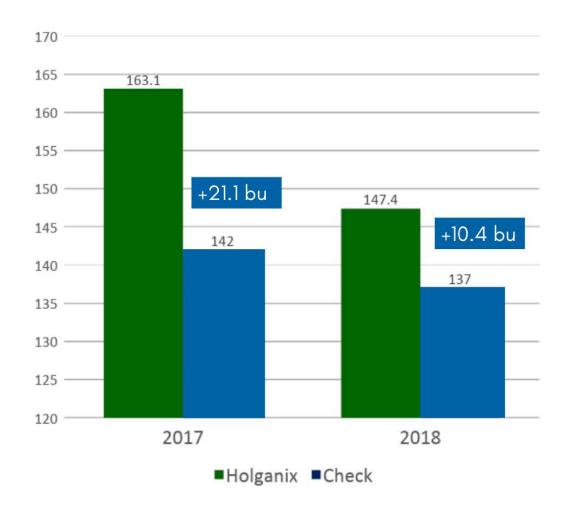


CORN, NORTH CENTRAL ILLINOIS

Third Party Research Farm Data

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

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, 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.

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 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⁺on soybeans. The photos and testimonials enclosed are just a sample. For additional information please visit: www.Holganix.com/Ag-data

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.

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 with in the area using Holganix Bio 800⁺ saw a 12 bushel per acre yield increase over the control.

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



SOYBEANS, 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."

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 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."

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



SOYBEAN, NORTH DAKOTA

Unsolicited Customer Photo

Same crop from previous page with picture taken just after flowering. The Holganix Bio 800⁺ 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⁺ 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⁺ 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.

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







SOYBEANS, CENTRAL OHIO

Unsolicited Customer Photos

This grower used Holganix Bio 800⁺ at burndown to accelerate debris breakdown and crop germination and establishment.

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, WESTERN MISSOURI

Unsolicited Customer Photos

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

Rate:	0.5 gal per acre
App Timing:	
App Method:	
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.

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

SOYBEAN, NORTHERN ILLINOIS

Unsolicited Customer Photos



The crop was planted on May 31. Holganix Bio 800⁺ 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.

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



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 Holganix Bio 800+, received a +5 bushel per acre yield advantage on soybeans, similar to what he has seen.

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

Control Holganix Bio 800⁺





SOYBEAN, ONTARIO, CANADA

Unsolicited Customer Photos

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

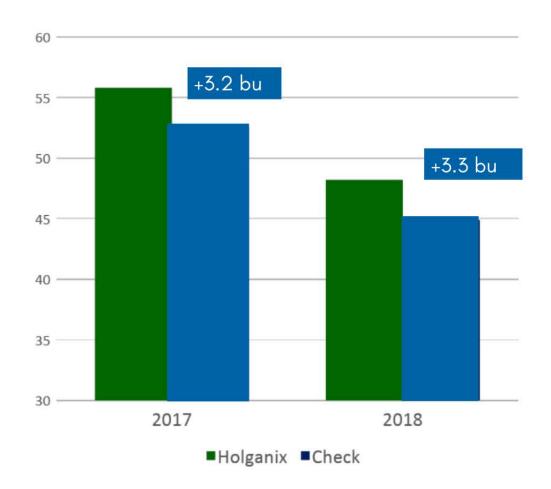
Rate:	0.5 gal per acre
App Timing:	One day pre-plant
App Method:	Foliar
Other Products Used:	All other inputs were replicated in the control.



SOYBEAN, ONTARIO, CANADA

Unsolicited Customer Photo

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.



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.

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.



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⁺ on wheat. The photos and testimonials enclosed are just a sample. For additional information please visit: www.Holganix.com/Ag-data



WINTER WHEAT, KANSAS

Unsolicited Customer Photo

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

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

Same grower and spot as the previous pictures. Photo taken in spring, 2019. Holganix Bio 800⁺ 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:

Control

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



Organic winter wheat, photo taken May 12. Holganix Bio 800⁺ applied one time, in the spring.

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

WINTER WHEAT

Third Party Research

Application	Spr	ing 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⁺ 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⁺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.

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⁺on produce and specialty crops. The photos and testimonials enclosed are just a sample. For additional information please visit: www.Holganix.com/Ag-data



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⁺ decreased the need for fertilizer, but in the garden beds, I was able to eliminate fertilizer. I could just use Holganix Bio 800⁺ 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.

Holganix 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	

Holganix 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 August 2, 2021.

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:	



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."

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



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 Bio 800° crop has increased vigor and a heavier fruit set compared to the control.

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



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."

Holganix 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

Holganix Bio 800[†] Second App:

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

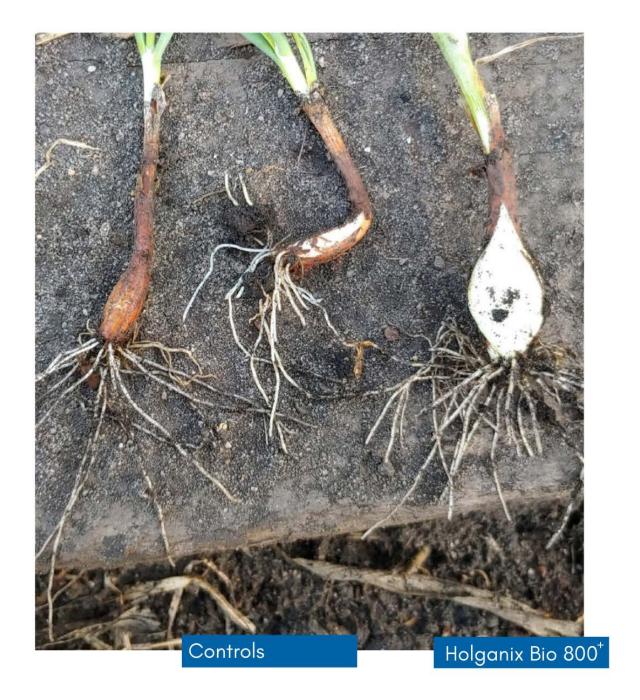


EGGPLANT, PENNSYLVANIA

Research Grower Data

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

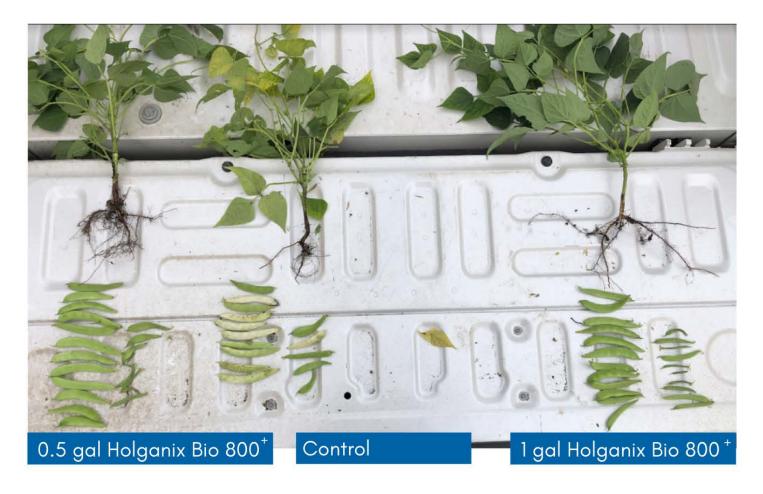
Rate:	2 ounces per gallon of water
App Timing:	Immediately after planting, second application four weeks later
App Method:	Drench over the planted row
Other Products Used:	All inputs were replicated in the control.



ONIONS, NORTH DAKOTA

Unsolicited Customer Photo

The Holganix Bio 800^{\dagger} treated crop is larger and more developed than the control.



PINTO BEANS, NORTH DAKOTA

Unsolicited Customer Photo

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

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.



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[†]. The grower commented that these were some of the best beans he's seen.

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



Control

Holganix Bio 800⁺

CUCUMBER, KENTUCKY

Unsolicited Customer Photo

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

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:	

PUMPKIN AND BUTTERNUT SQUASH NORTH DAKOTA

Unsolicited Customer Photos





Photos were taken on July 26, 2021.

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



PUMPKIN, NORTHERN ILLINOIS

Unsolicited Customer Photos

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

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





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.

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

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

Holganix 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.



STRAWBERRIES, CALIFORNIA

Research Grower Data

In Ventura County, California, a researcher used Holganix Bio 800⁺ 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.

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.



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."

Holganix 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



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." The photo was taken on June 2, 2021.

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



TOMATO, INDIANA

Research Grower Data

According to the grower, "Bio 800^{\dagger} 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 Bio 800^{\dagger} 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



TOMATO, NORTHERN ILLINOIS

Unsolicited Customer Photo

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

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



TOMATO, MASSACHUESETS

Unsolicited Customer Photo

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

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.

PEACH ORCHARD, NORTH CAROLINA

Unsolicited Customer Photos



Lakeside Peach Orchard in North Carolina reports that, "Holganix Bio 800[†] 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:	Holganix Blue Sky 21–0–0; Holganix Prebiotic 2–10–20; Bioherbicide to curb weeds



GUAVA, FLORIDA

Unsolicited Customer Photo

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

Holganix 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.



HEMP, OREGON

Unsolicited Customer Photos

All crops were treated with Bio 800. 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.

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



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.

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	



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⁺ are a foot larger in growth and a 30% larger caliber.

Holganix Bio 800⁺ Tree & Shrub Treatment:

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



NATIVE GRASS SEED PRODUCTION, CALIFORNIA

Unsolicited Customer Photos

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

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

PASTURE, ALABAMA

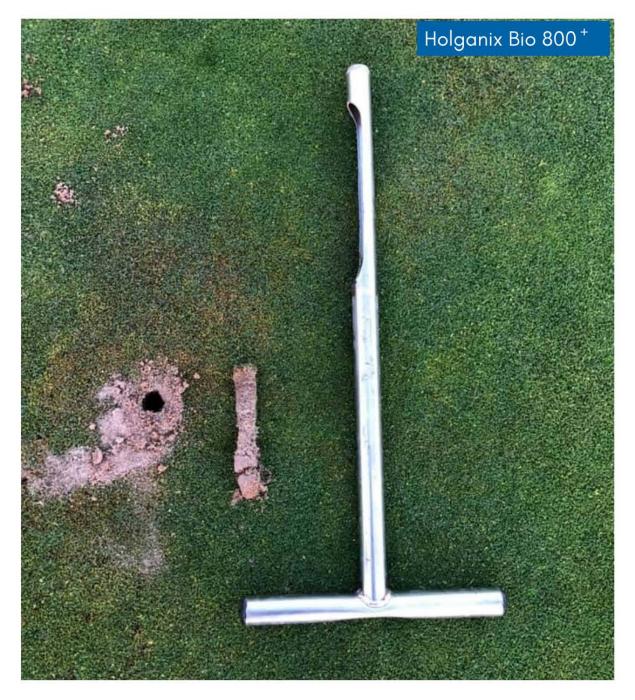
Unsolicited Customer Photos



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 fescuse mix and two applications of Holganix Bio 800⁺.

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 INDIANA

Unsolicited Customer Photos



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



Seed covered with straw after planting on both lawns.

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



