nextgen fertilizers

2025 Trial Results

Nextgen Fertilizers is dedicated to bringing usable data to our customer base and beyond. In 2025 we continued our research on both new and existing products. Our focus remains to bring value to our customers and provide products with confidence that have been locally tested and proven based on ROI. Thank you to all the farmers who have given their time and effort in applications and evaluations. Thank you to all the companies and agronomists who have provided support, products, and knowledge. Our trial program would not be possible without the help and cooperation we receive from our community and partnerships. We strive to keep the farmer first in all that we do at Nextgen Fertilizers.

Paul Beyer

nextgen fertilizers

Easy to Apply
Proven to Perform

Contents

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Strip-Til Comparisons

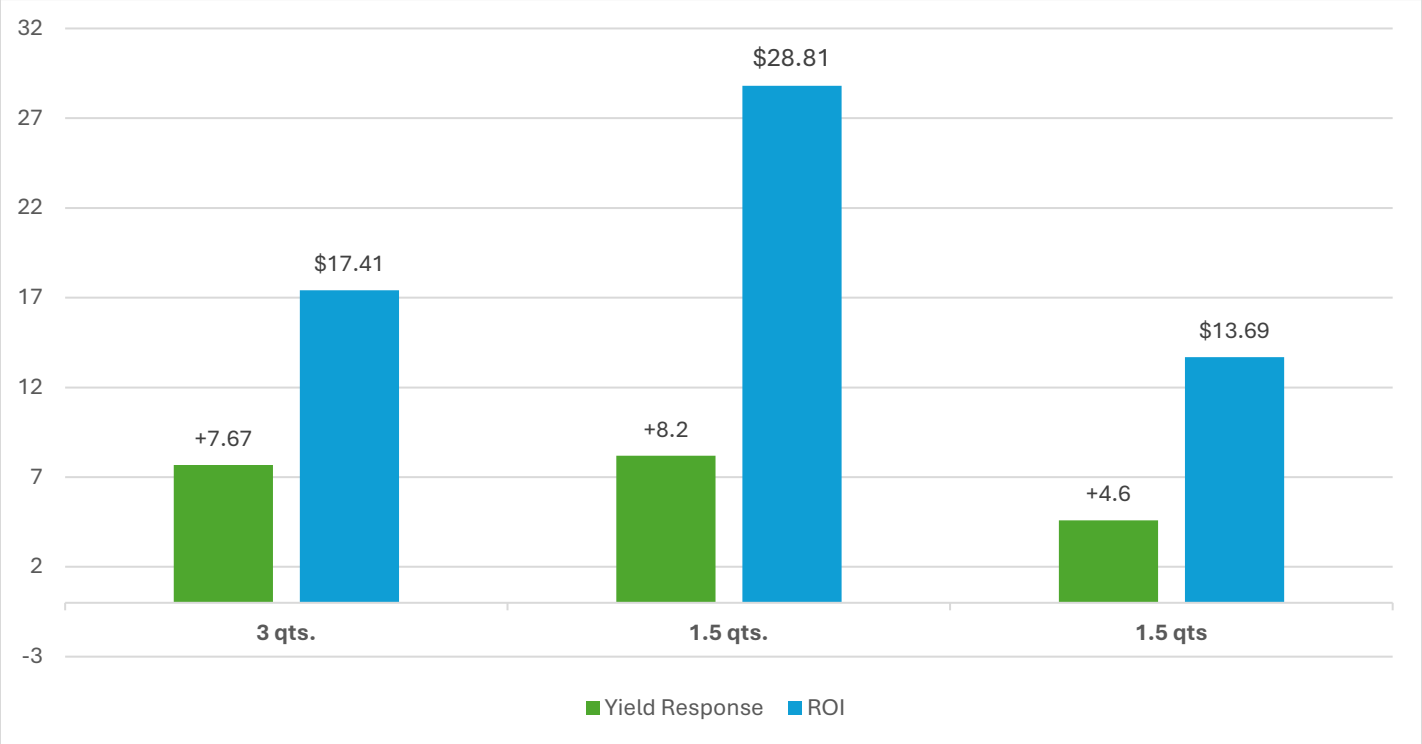
Copper Sulfate

Three-year study evaluating the benefit of adding copper sulfate in a spring strip-til application when soil levels are below 0.3ppm (DTPA) or 1.4ppm (Mehich3). Grower standard of NPK remained constant in all treatments.

2023	2024	2025
3 qts./Acre	**1.5 qts./Acre**	**1.5 qts./Acre**
$14.80 Cost	**$5.63 Cost**	**$5.63 Cost**
+7.67bu.	**+8.2bu.**	**+4.6bu.**
ROI$24.62**	**ROI* $28.81**	**ROI* $13.69**

**$5.14 Corn *$4.20 Corn

Rate comparison from 1.5qts to 3 qts. With the same corn price of $4.20/bu. over a three-year span.

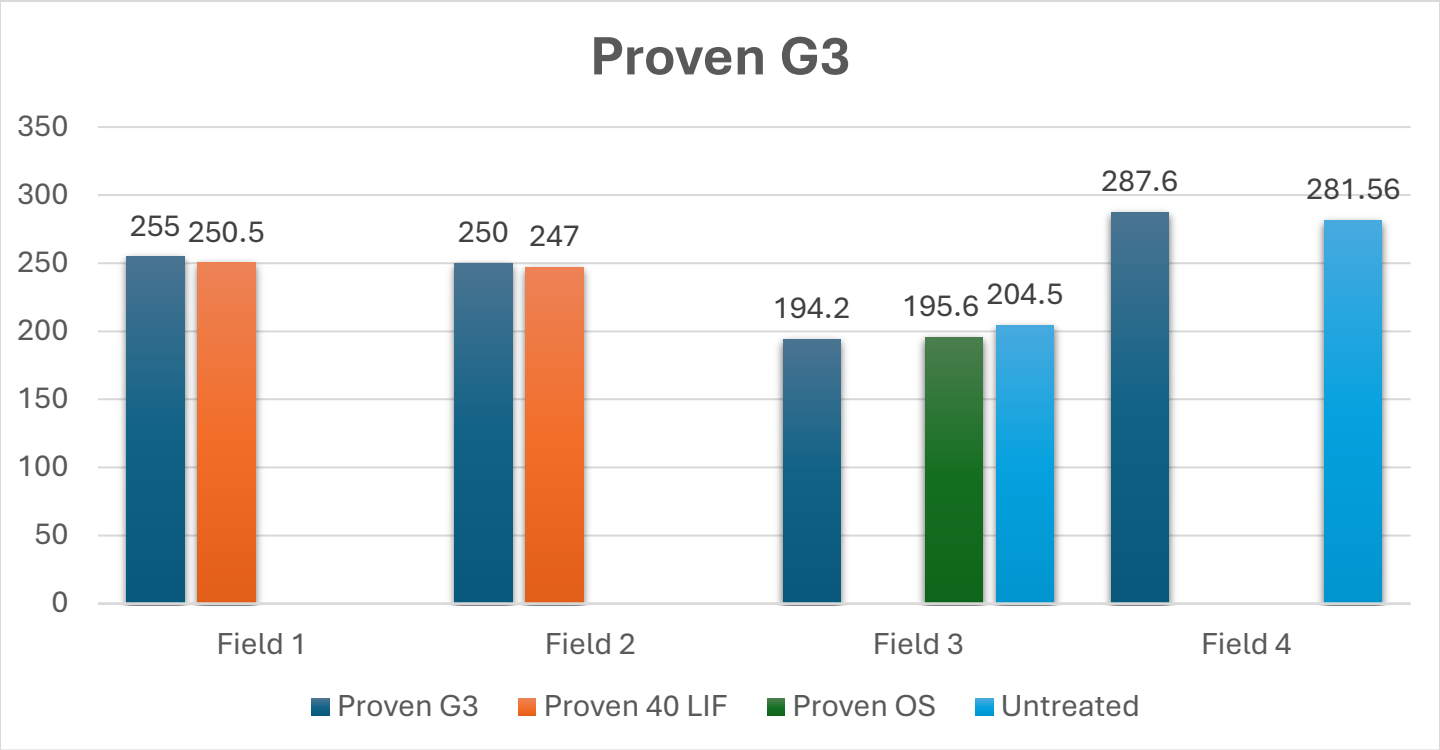


Seed Treatment Comparisons

Proven G3 – Pivot Bio

The purpose of this study is to evaluate Proven G3's ability to replace synthetic nitrogen and compare Proven 40 LIF and OS to determine if additional benefits exist.
Key takeaway: Utilize the same as Proven 40 Products

Field 1 – North of Wray, 10 CEC Reduced 40# @ Sidedress
Field 2 – North of Wray, 8 CEC Reduced 40# @ Sidedress
Field 3 – South of Yuma, 6 CEC Reduced 40# @ Sidedress -10# S, Boron
Field 4 – North of Eckley, 10 CEC No Reduction



Synthetic N replaced resulted in savings of $1/Acre after the cost of Proven G3, Proven 40 OS and Proven 40 LIF was purchased.

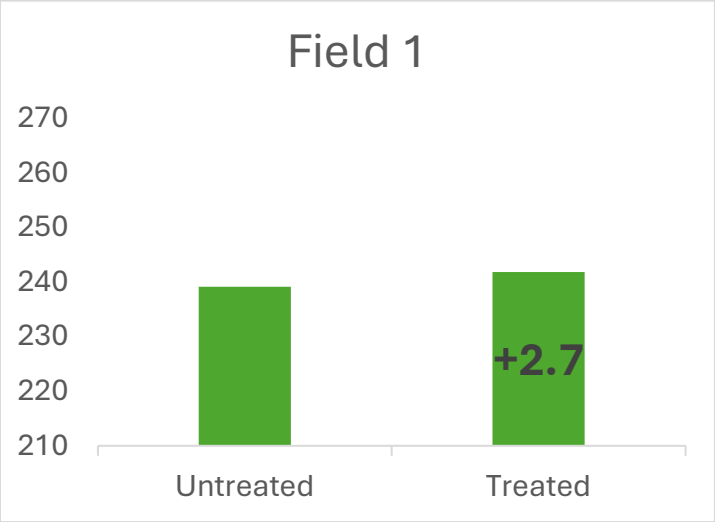
$4.20/bu. Corn used for ROI calculation, Cost of the Product is $18.50/Ac
Win Rate reflects one-year side by side win percentage in 2025

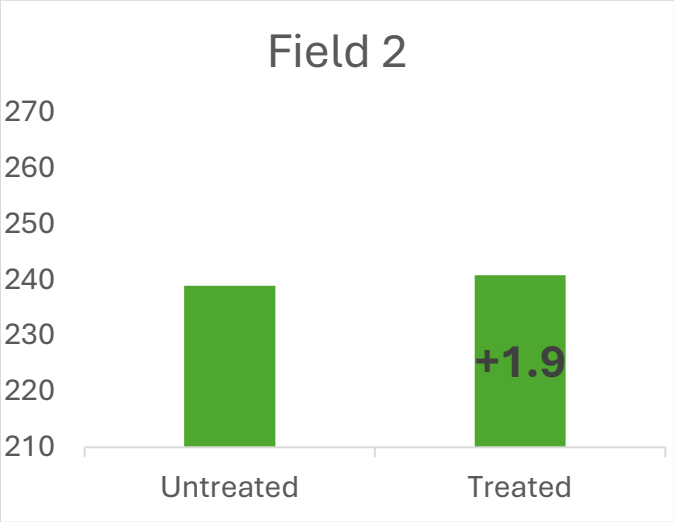
Win Rate	ROI
61%	**$9.29**

SiliCal Max - NutriAg

The purpose of this study is to evaluate liquid seed-treatments with calcium, boron, and silicon. The study was done in two fields a mile apart. Average CEC was 9.2, OM was 1.3%. Grower standard was the same in both fields and in both treatments, making the only variable the seed treatment being studied. Product was applied using a KSI seed treater with a flowability agent added at the same time.

Figures below reflect 2 fields, both west of Vernon, CO with three replications each.





$4.20/bu. Corn used for ROI calculation. Cost of the Product is $1.84/Ac
Win Rate reflects one-year side by side ROI win

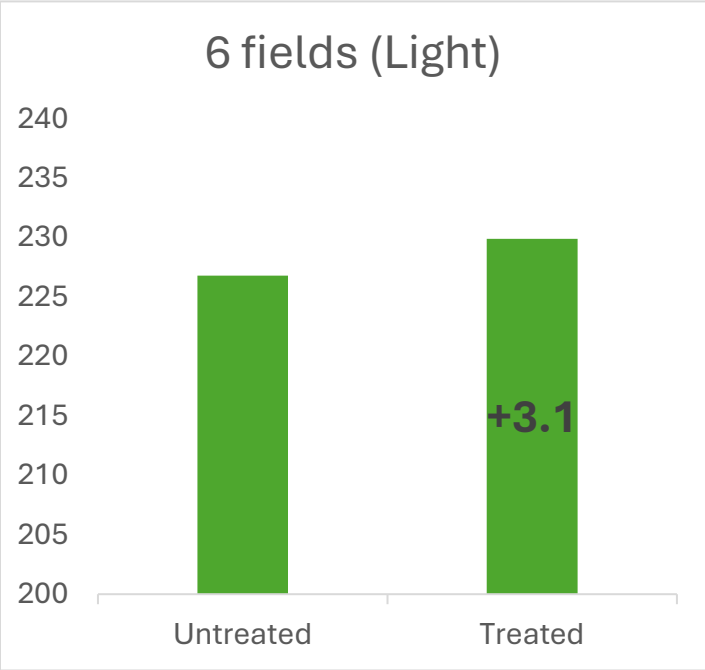
Win Rate	ROI
67%	$7.82

SiliCal Max is a unique foliar fertilizer that contains both calcium and silicon. It's designed to provide developing tissue and fruit with valuable nutrition and prevent deficiencies and physiological disorders before they can get started.

Homeland Corn Complete - Brandt

The purpose of this study is to evaluate planter-box treatment with micronutrients, beneficial enzymes, and multiple strands of bacteria. The study was done on a variety of fields which have been divided into two main categories by soil type, light and heavy soil.

Figures below reflect four fields east of Yuma, CO with a total of 16 replications; two fields in the OK panhandle with a total of 10 replications; three fields in Northeast NE with a total of 9 replications.



Win Rate	ROI
54%	-$1.03

Win Rate	ROI
76%	$4.85

Heavy soil category ranges from 13-18 CEC and light soil category ranges from 5-12 CEC. Grower standard was the same within each field in both treatments, making the only variable the planter box treatment being studied.

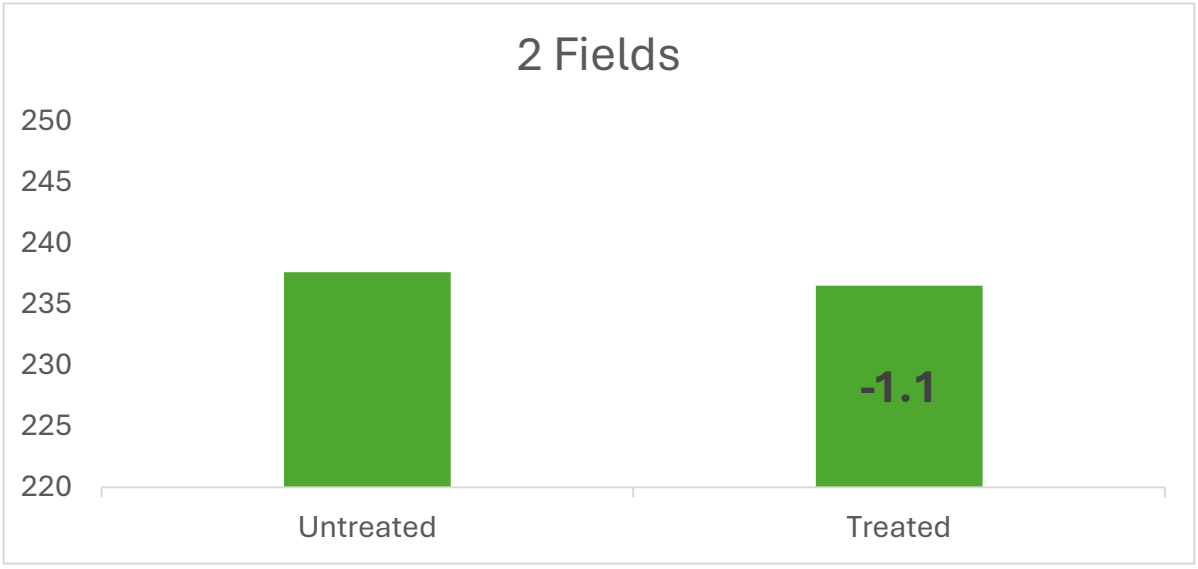
$4.20/bu. Corn used for ROI calculation. Cost of the Product is $14.05/Ac
Win Rate reflects three-year side by side win percentage. 2023, 2024, 2025

Homeland Corn Complete is a comprehensive solution for enhancing your corn crop. This product combines advanced seed flow and shield technologies with BRANDT enzyme technology in a single package. The seed flow technology improves seed retention and fluency, while the shield technology provides extra protection for the effectiveness of the inoculants. The inclusion of BRANDT enzyme technology enhances plant health and growth by facilitating better water and nutrient uptake.

Blueprint – Sound Agriculture

The purpose of this study is to evaluate a planter-box treatment with mycorrhizae fungi. The study was done in two fields with low OM (<1.5%) and CEC's ranging from 6-9. Grower standard was the same within each field in both treatments, and both had source, making the only variable the planter box treatment being studied.

Figure below reflects two fields south of Yuma, CO with a total of 10 replications.



$4.20/bu. Corn used for ROI calculation. Cost of the Product is $12.00/Ac
Win Rate reflects one year side by side in 2025

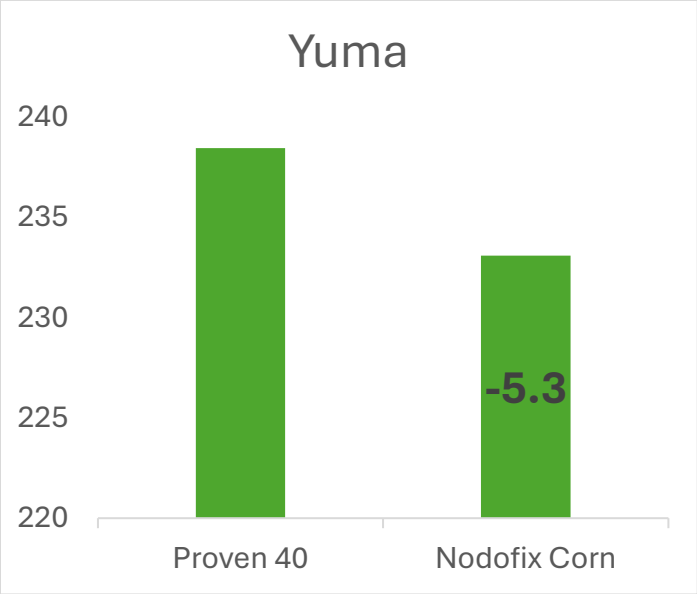
Win Rate	ROI
38%	-$16.62

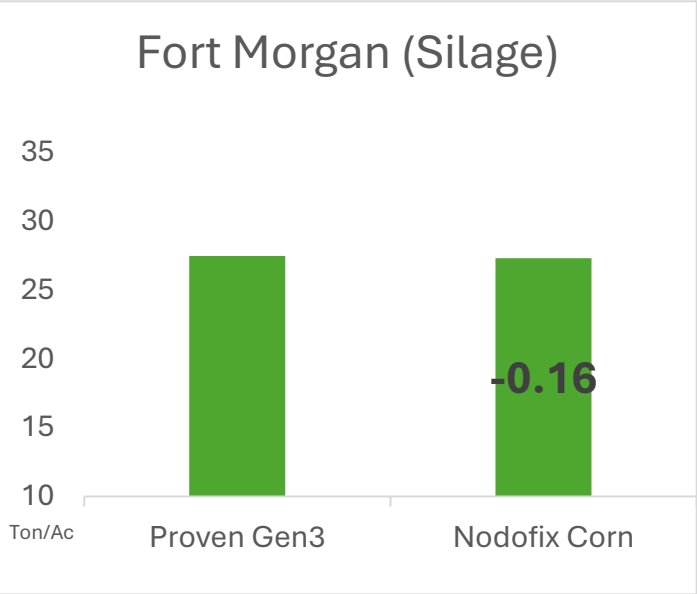
BLUEPRINT provides Arbuscular Mycorrhizal Fungi (AMF), one of the longest-standing biological crop partners and the only one that helps plants with all three critical aspects: macronutrients, micronutrients and water.

Nodofix Corn - Spraytec

The purpose of this study is to evaluate nitrogen fixing bacteria in two different products. The study was done on a field south of Yuma with CEC's ranging from 5-7 as well as a corn silage field in Fort Morgan with CECs of 15-18 where there is a long history of manure. Grower standard was the same within each field in both treatments, making the only variable the nitrogen fixing product.

Figures below reflect one field south of Yuma, CO and one field south of Fort Morgan, CO with a total of 7 replications. Both treatments had 40# of UAN replaced.





Win Rate	ROI
26%	-$11.96

Win Rate	ROI
48%	$0.05

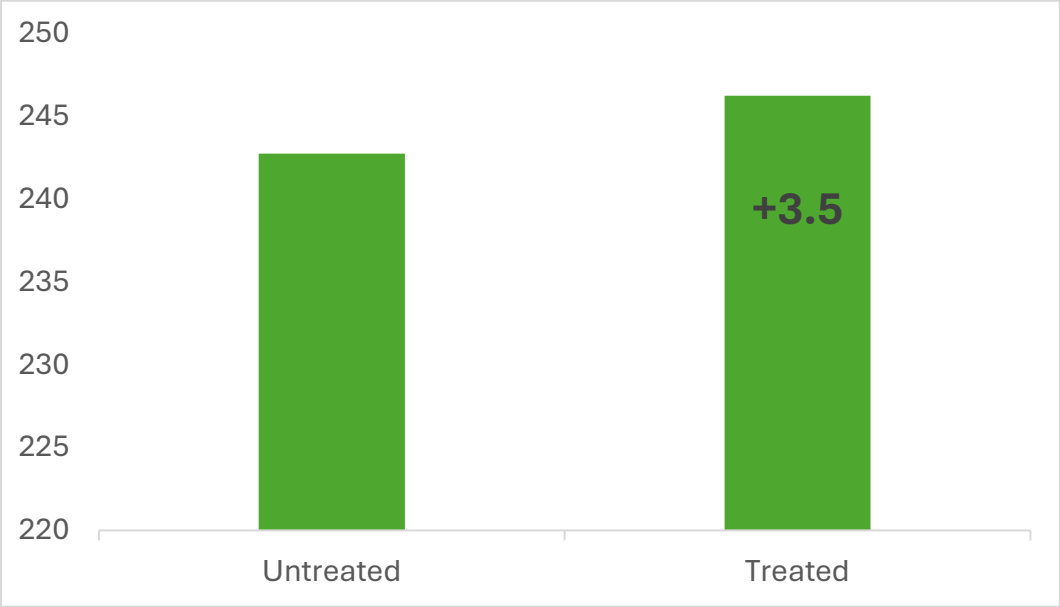
$4.20/bu. Corn used for ROI calculation on grain and $40/Ton for silage.
Cost of the Product is $10.30/Ac less than Proven 40
Win Rate reflects one year side by side in 2025

Nodofix is Spraytec's line of biological products - 4 different strains for corn, soybeans, edible beans, and peanuts. Nodofix is a great tool to improve bacterial activity and help fixate nitrogen.

Beauveria Bassiana strain ANT-03

The purpose of this study is to evaluate a planter-box treatment with Beauveria Bassiana added to the micronutrient and bio-stimulant blend. The study was done on one field south of Yuma with low OM (<1.4%) and CEC's ranging from 4-8. Grower standard was the same within each field in both treatments, making the only variable the planter box treatment being studied.

Figure below represents one field south of Yuma, CO with four replications.



$4.20/bu. Corn used for ROI calculation. Cost of the Product is $5.93/Ac
Win Rate reflects one year side by side 2025.

Win Rate	ROI
75%	**$8.77**

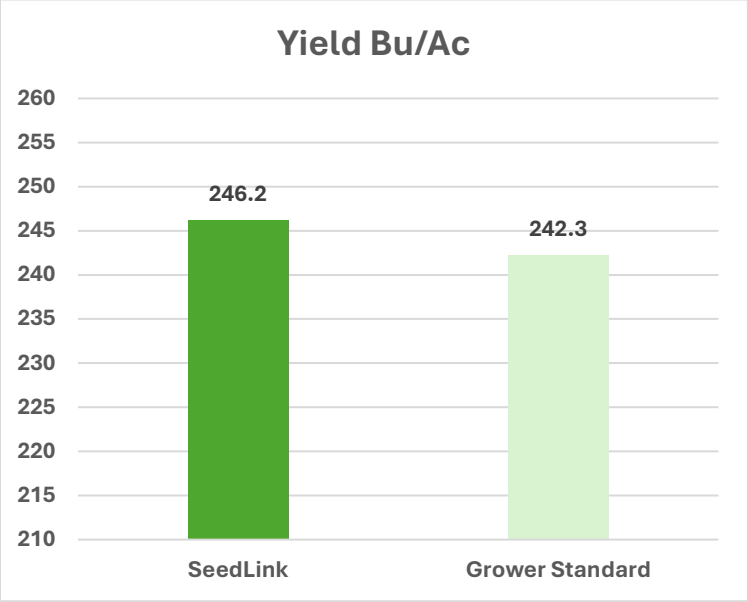
SeedLink – Nextgen Fertilizers

The purpose of this study is to evaluate a planter-box treatment with micronutrients, phosphorus, bio stimulants, amino acids, humic acid, and multiple strands of bacteria. The study was done on a variety of fields which are separated by region and soil type.
Grower standard was the same within each field in both treatments, making the only variable the planter box treatment being studied.

$4.20/bu. Corn used for ROI calculation
Cost of the Product is $7.12/Ac
Win Rate reflects one year side-by-side win percentage in 2025
All comparisons have a minimum of 3 side by sides

Colorado CEC <10

Location	SeedLink	Grower Standard	Response Bu/Ac
Wray, CO	241.7	236.7	+5
Wray, CO	240.8	237	+3.8
Eckley, CO	213	209.5	+3.5
Vernon, CO	255	250.5	+4.5
Yuma, CO	255.4	247	+8.4
Yuma, CO	282.7	283.2	-0.5
Eckley, CO	252.2	253.5	-1.3
Wray, CO	237.7	234	+3.7
Yuma, CO	237.6	230.1	+7.5



ROI +$9.26/Ac

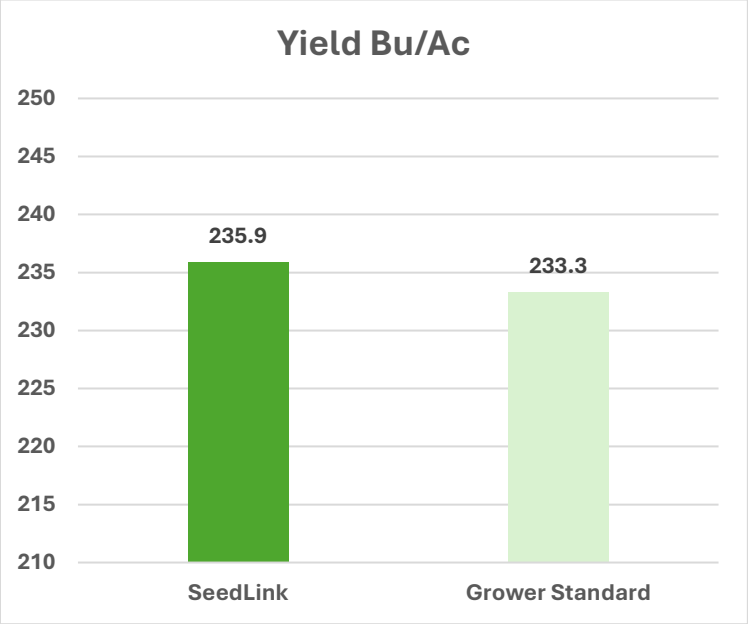
Win Rate 79%

Response +3.9 Bu/Ac

9 fields
38 side by sides

Nebraska CEC <10

Location	SeedLink	Grower Standard	Response Bu/Ac
Oneil, NE	200.7	198.3	+2.4
Haigler, NE	257.3	252.3	+5
Haigler, NE	251	245.7	+5.3
Haigler, NE	241.8	241	+0.8
Chappell, NE	246.2	242.7	+3.5
Amherst, NE	218.6	220	-1.4



ROI **+$3.80/Ac**

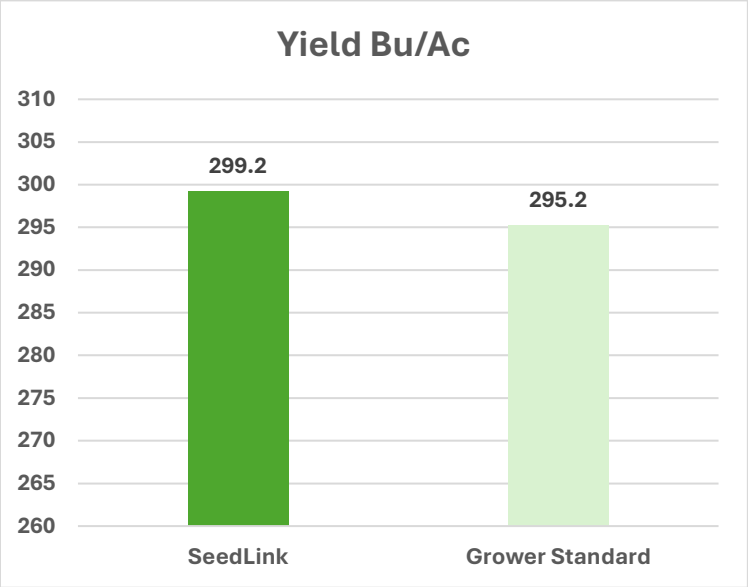
Win Rate **83%**

Response **+2.6 Bu/Ac**

6 fields
31 side by sides

Kansas CEC >15

Location	SeedLink	Grower Standard	Response Bu/Ac
Garden City, KS	301.5	295.6	+5.9
Liberal, KS	297	294.9	+2.1



ROI +$9.68/Ac

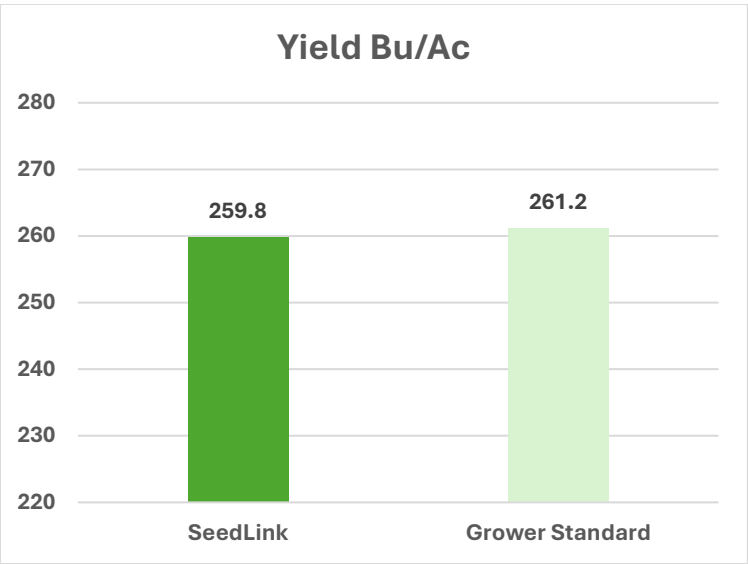
Win Rate 100%

Response +4 Bu/Ac

2 fields
10 side by sides

Oklahoma CEC >15

Location	SeedLink	Grower Standard	Response Bu/Ac
Hooker, OK	261.7	262.8	-1.1
Goodwell, OK	258	259.7	+1.7



ROI -$4.60/Ac

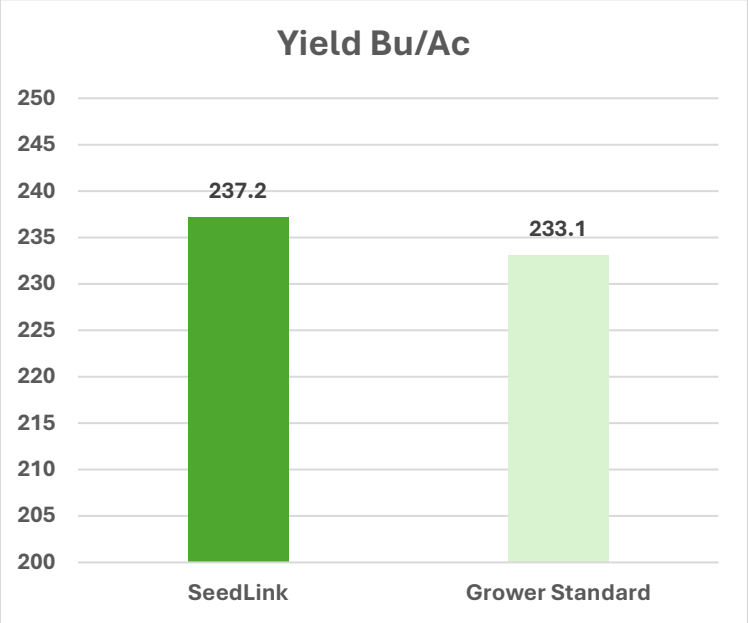
Win Rate 0%

Response -1.6 Bu/Ac

2 fields
18 side by sides

Colorado CEC >10

Location	SeedLink	Grower Standard	Response Bu/Ac
Wray, CO	244	244	0
Holyoke, CO	218.6	209	+9.6
Yuma, CO	243.3	243	+0.3
Wray, CO	227.7	225.5	+2.2
Eckley, CO	252	244	+8



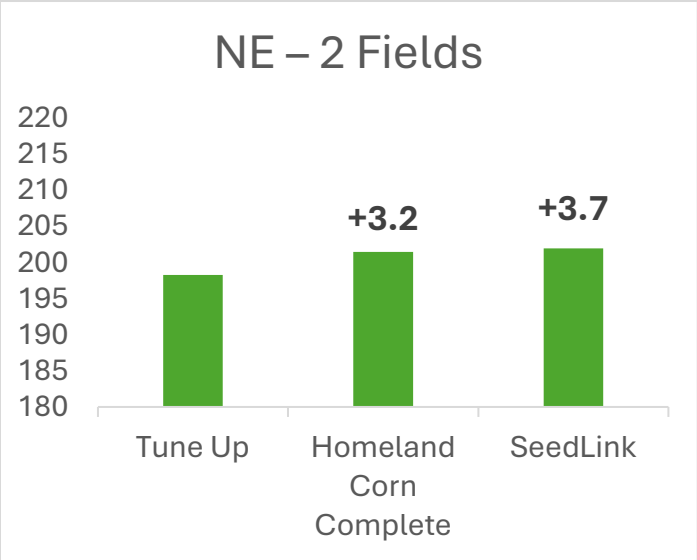
ROI +$10.10/Ac

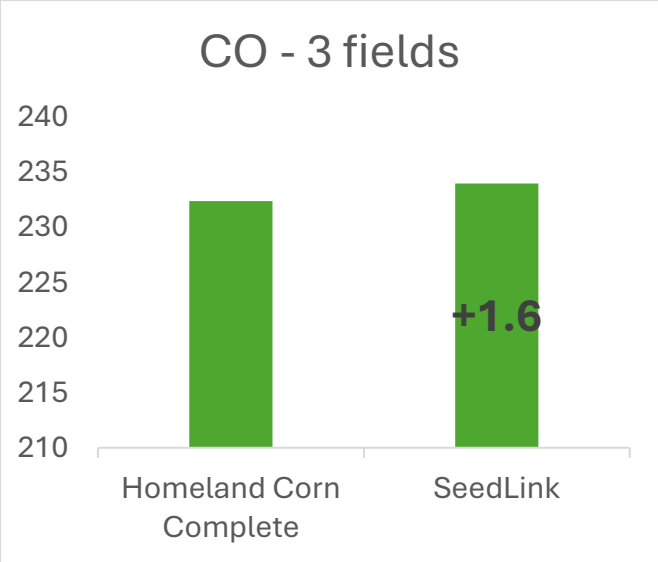
Win Rate 0%

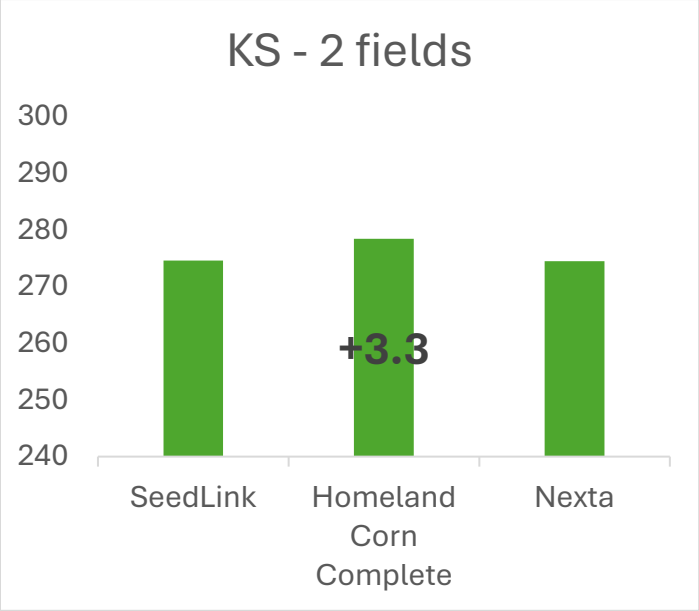
Response +4.1 Bu/Ac

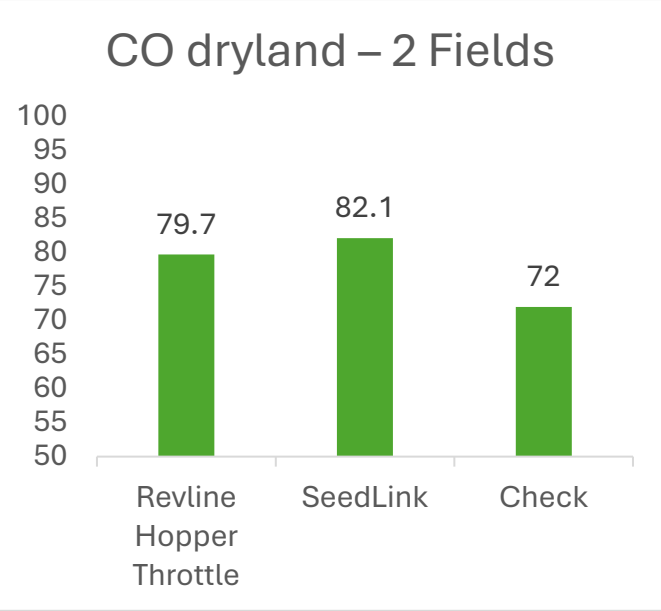
2 fields
18 side by sides

Planter Box Comparisons









Product	Cost/Ac *	ROI		Win Rate
		dryland	irrigated	
Tune-Up BT	$22.50		-$22.50	0%
Homeland Corn Complete	$14.05		$5.58	70%
SeedLink	$7.12	$25.22	$10.46	81%
Revline Hopper Throttle	$19.00	$13.42		67%
Nexta	$16.50		-$5.30	50%

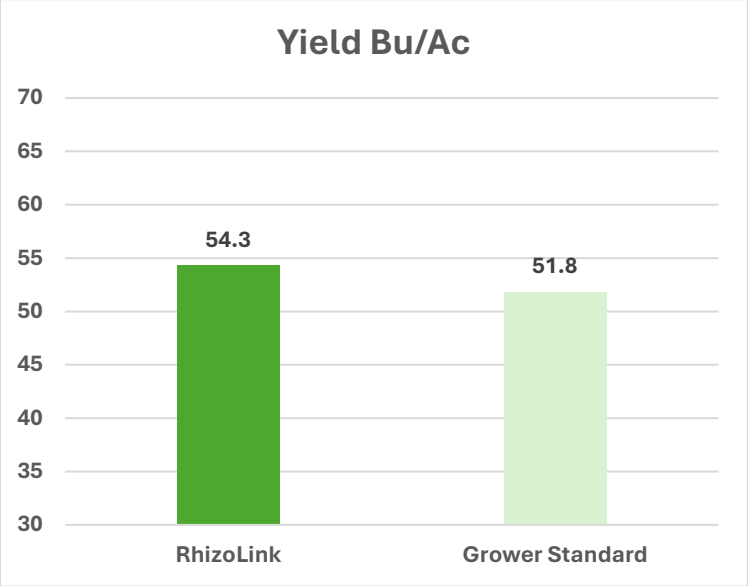
RhizoLink – Nextgen Fertilizers

The purpose of this study is to evaluate a biological planter box product with humic acid, biochar, and PGPs in soybeans and dry beans. In both studies this was the only inoculant used on the treated area.

$10.09/bu. Soybean used for ROI calculation
Cost of the Product is $7.12/Ac
Win Rate reflects one year side-by-side win percentage in 2025
All comparisons have a minimum of 3 side by sides

Kansas CEC >15

Location	RhizoLink	Grower Standard	Response Bu/Ac
Field A	44.2	42.2	+2.0
Field B	64.5	61.4	+3.1



ROI +$18.11/Ac

Win Rate 100%

Response +2.5 Bu/Ac

2 fields
22 side by sides

Irrigation Research Foundation
40161 Highway 59 Yuma, CO 80759
www.irf-info.com

nextgen fertilizers

2025 IRRIGATED SOYBEAN TRIALS

FARMREIGN PRECISION PLANTER PLANTING DATE: 5/21/2025

Field: SW ¼ **Previous Crop:** Corn**Variety:** GH2884XF **Population:** 180k **Harvest date:** 10/17/2025

DMI STRIP-TILL: (Actual) **23.8-29.7-7-5.77s** applied 10 gal./A. @ 4" & 13 gal./A. @ 10"		3/26/2025
3x2x1.5 STARTER FERTILIZER: (Actual) **14.44-19.25-0-1.44s** applied @ 12.5 gal./A.		5/21/2025
THROUGH REINKE SPRINKLER:	**BROADAXE SC** @ 1.2 pt./ac.	5/21/2025
	28-0-0-5 @ 10 gal./ac.	7/13/2025
	28-0-0-5 @ 10 gal./ac.	8/6/2025
GROUND SPRAY APPLICATIONS:	**OVERHAUL** @ 32 oz./ac.	4/10/2025
	VERDICT @ 5 oz./ac. + **GRAMOXONE SL 3.0** @ 5 oz./ac. + **ZAAR** @ 12 oz./ac.	5/19/2025
	VOLUNTEER @ 16 oz./ac. + **ZAAR** @ 12 oz./ac.	6/20/2025
	SEQUENCE @ 2 pt./ac.	6/30/2025
	FORFEIT 280 @ 22 oz./ac. + **AMS** @ 3.5 lbs./ac.	7/23/2025

Rainfall by Month:

May - 1.42 ", June - 4.28 ", July - 2.53 ", August - 1.52", September - 3.84"

TOTAL APPLIED: 12.04 INCHES RAINFALL TOTAL: 13.59 INCHES

SEASONAL NOTES: A major hail event occurred on 7/07/25.

Weather, daytime temperatures and other factors affect data results, as in any year. The Irrigation Research Foundation strives to record and control these factors where possible. Not all these factors are measurable or recognized.

For weather information please go to www.coagmet.com, monthly summaries, select the month, year and the Yuma station.

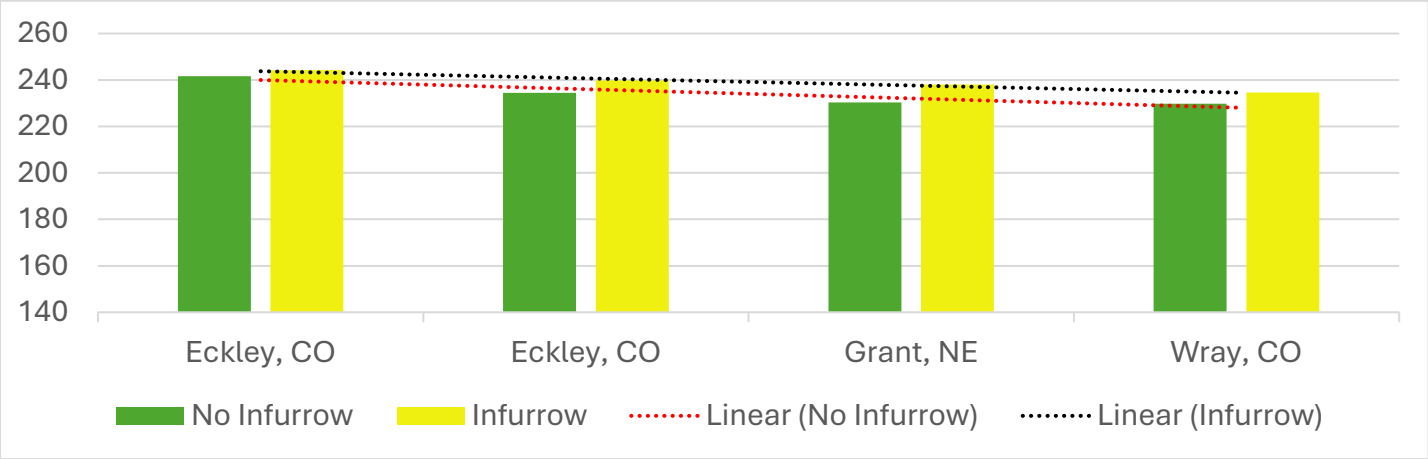
PROTOCOL	MOISTURE	BUSHELS PER ACRE
SEED TREATMENT RHIZOLINK @ 4.8 oz./cwt.	**16.6**	**61.9**
Control NO SEED TREATMENT	**17.5**	**58.4**

Planter Comparisons

Infurrow vs No Infurrow

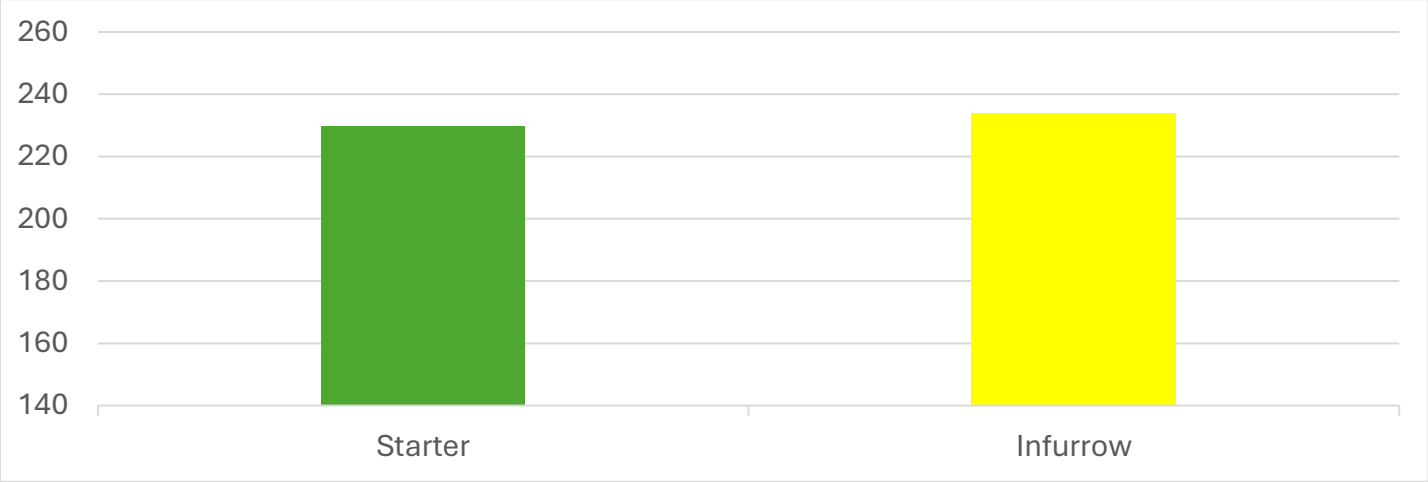
The purpose of this study was to determine if infurrow placed fertilizer, regardless of product, was better than placing the same products in a 2x2 or out the back starter program. This study has been performed over three consecutive years in a variety of fields in Northeast Colorado and Western Nebraska.

Figure below shows a 2023 and 2024 average increase across four locations and 15 replications.



Win Rate	Advantage (Bu/Ac)
95%	+5.1

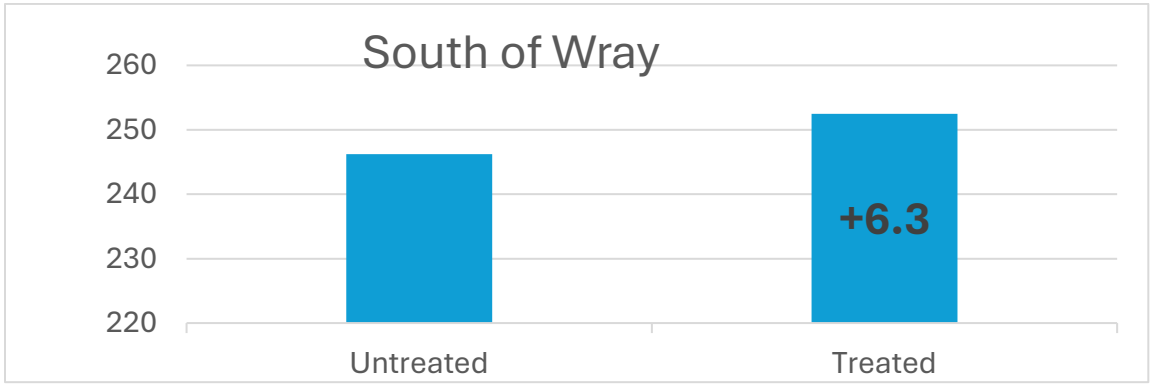
Figure below shows a 2025 average increase across four fields in Northeast Colorado with varying soil types. Over 55 side by sides are represented.



Win Rate	Advantage (Bu/Ac)
89%	+4.3

Proven 40 – Pivot Bio

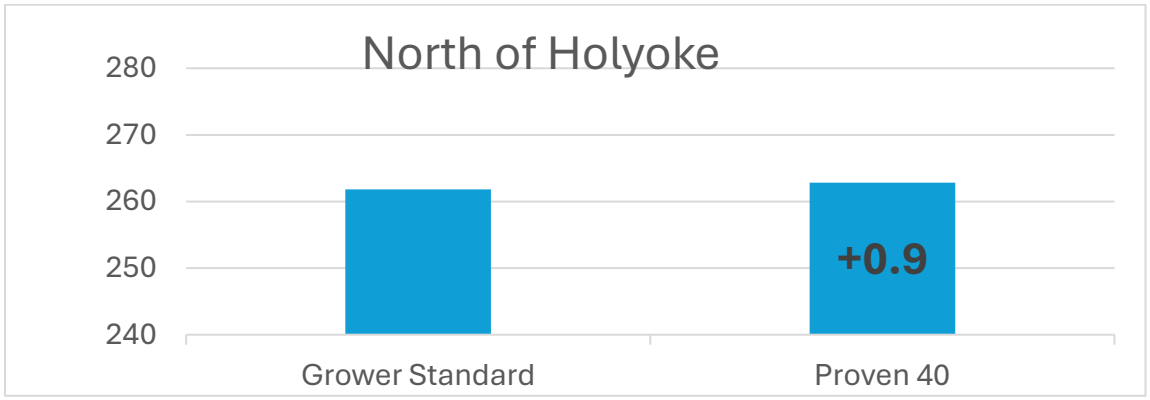
The purpose of this study is to evaluate Proven 40's ability to maintain yield to the grower standard program when 30# of synthetic nitrogen (NH3 April) is replaced. Two fields averaging a CEC of 17-19 and OM of 1.7-2.4%.



$4.20/bu. Corn used for ROI calculation. Cost of the Product is $18.00/Ac. Cost of Anhydrous was $0.42/# N, net cost of product was $12.60/Acre
Win Rate reflects a two-year side by side ROI win percentage in 2024 and 2025

Win Rate	Advantage (Bu/Ac)
82%	$19.59

The purpose of this study is to evaluate Proven 40's ability to maintain yield to the grower standard program when 40# of synthetic nitrogen (32-0-0 June) is replaced. One field averaging a CEC of 15-19 and OM of 1.9-2.3%.



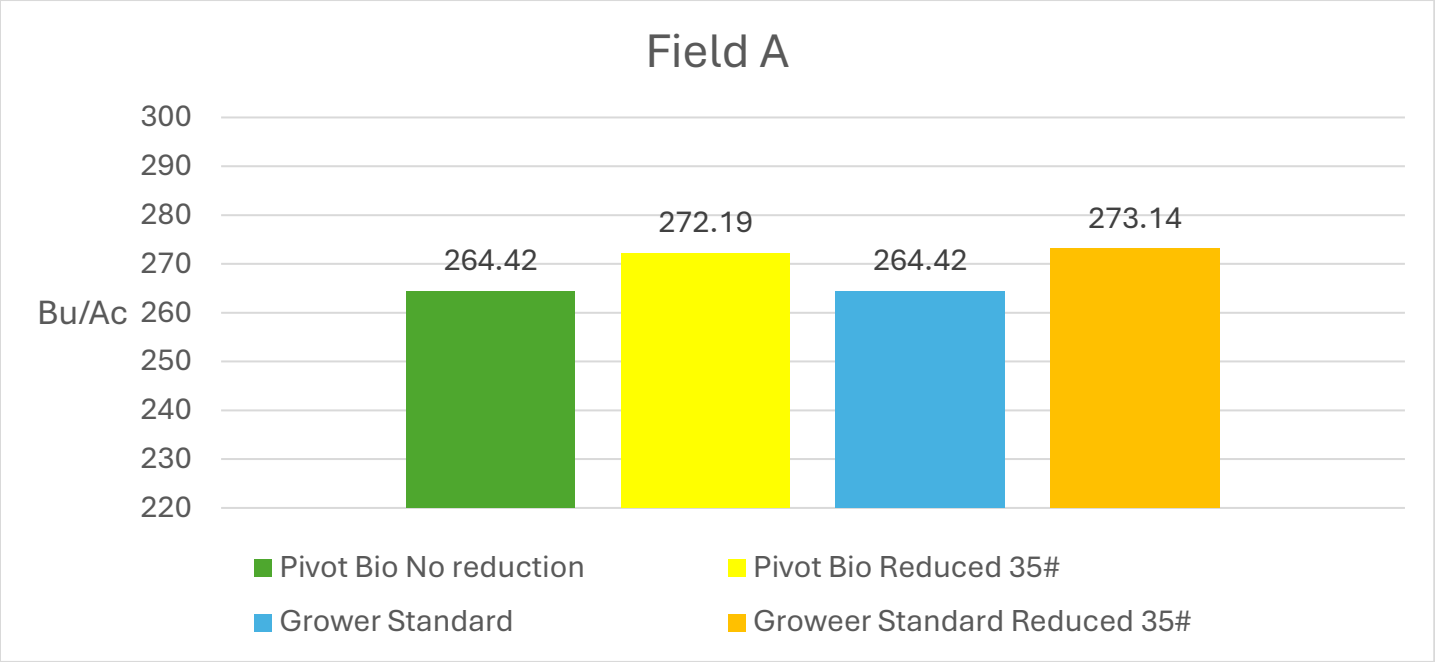
$4.20/bu. Corn used for ROI calculation. Cost of the Product is $18.00/Ac.
Cost of Anhydrous was $0.54/# N, and the net cost of product was $21.60/Acre
Win Rate reflects two-year side by side ROI win percentage in 2024 and 2025

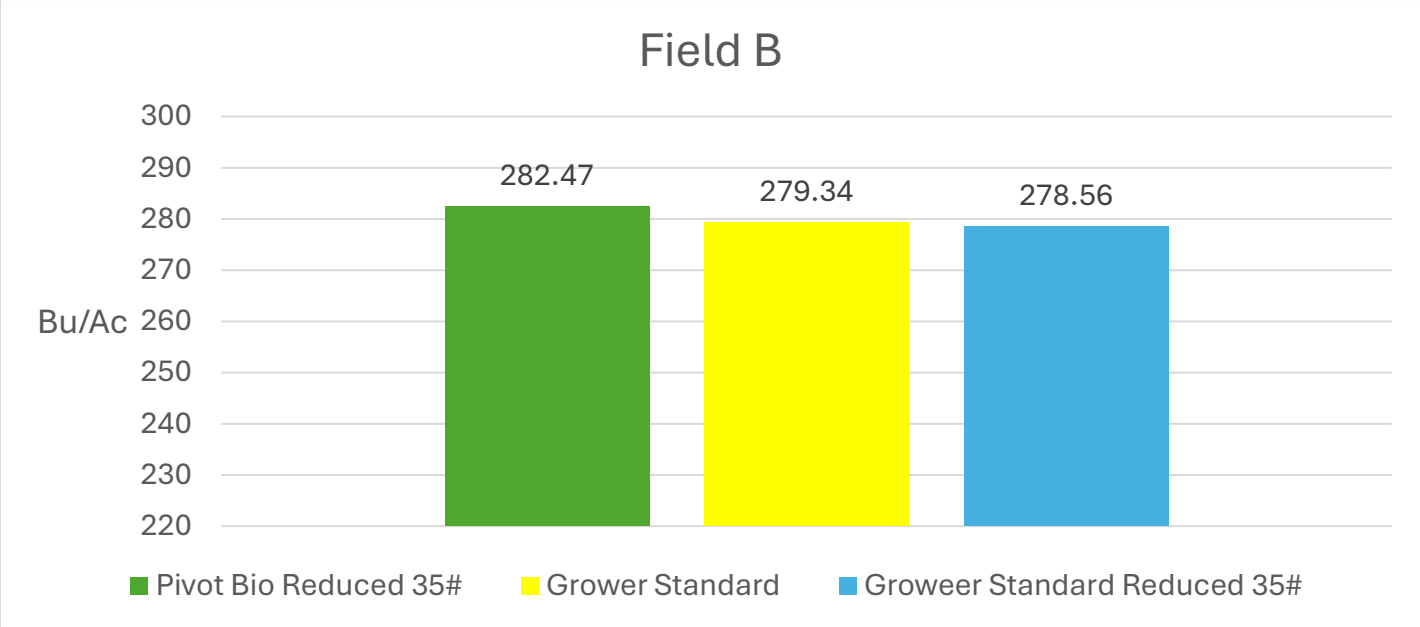
Win Rate	ROI
65%	$7.38

Pivot Bio Continued

The purpose of this study is to verify and optimize nitrogen use efficiency both with a grower standard practice and a biological made to replace synthetic fertilizer called Proven 40.

Figures below reflect a one-year (2025) comparison of different nitrogen rates with both Proven 40 treated seed and untreated seed. Each field had a minimum of 6 replications for each treatment.

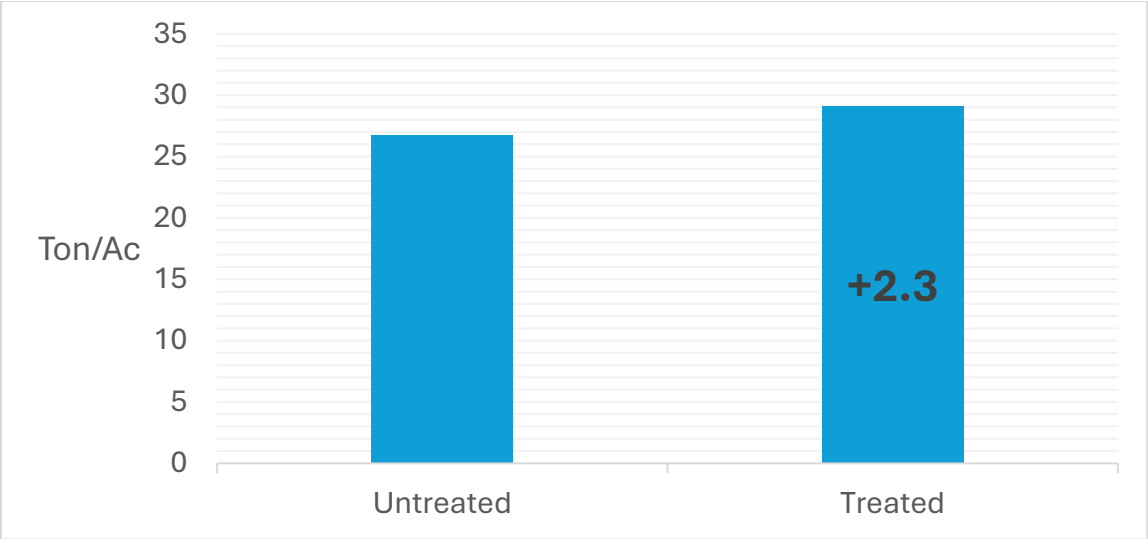




After evaluating these trials, you can see that excess synthetic nitrogen was detrimental to yield in Field A.
Field B showed minimal response from additional nitrogen as well.

Proven 40 and Silage

The purpose of this study is to evaluate Proven 40's ability to replace synthetic nitrogen while maintaining tonnage and feed quality in corn silage.
Two fields were evaluated with side-by-side comparisons and weighed separately. 20# of synthetic nitrogen were reduced from V12-VT



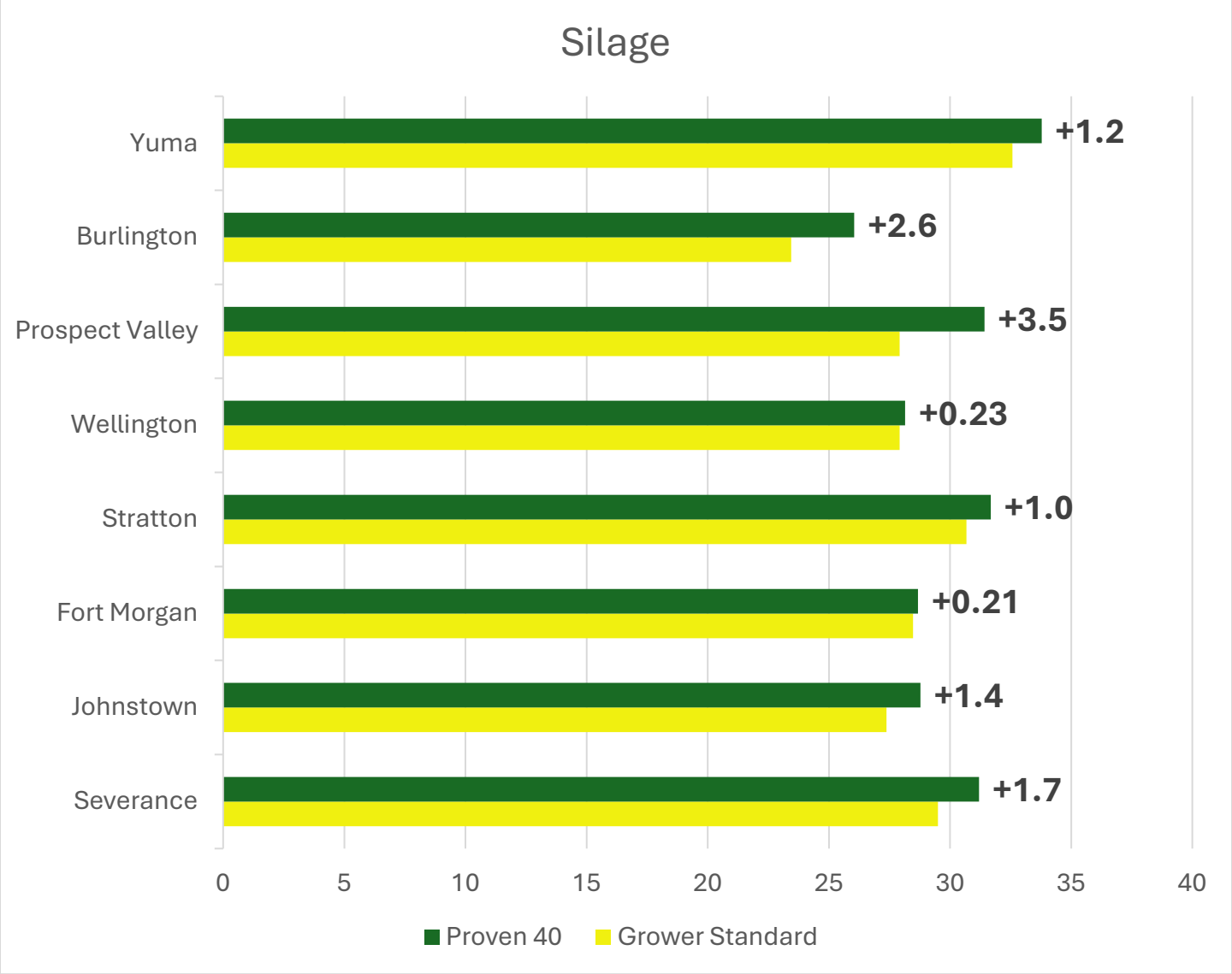
$40/ton Corn used for ROI calculation. Cost of the Product is $18.00/Ac.
Replaced Nitrogen cost was $11.00/Ac.
Win Rate reflects one-year side by side average ROI win percentage in 2025

Win Rate	ROI
100%	**$85.00**

Proven 40 and Silage cont.

The purpose of this study is to evaluate Proven 40's ability to increase tonnage and feed quality in corn silage.
Seven fields were evaluated individually with side-by-side comparisons and weighed separately.
$40/ton Corn used for ROI calculation. Cost of the Product is $20.00/Ac.
Win Rate reflects one-year side by side average ROI win percentage in 2024
Net win rate ROI includes a grower rebate of $5/acre which 98% of our customer acres received in 2024.

	Severance	Johnstown	Fort Morgan	Stratton	Wellington	Prospect Valley	Burlington	Yuma
Proven 40	31.2	28.78	28.68	31.68	28.15	31.42	26.05	33.78
Grower Standard	29.5	27.38	28.47	30.68	27.92	27.92	23.45	32.58

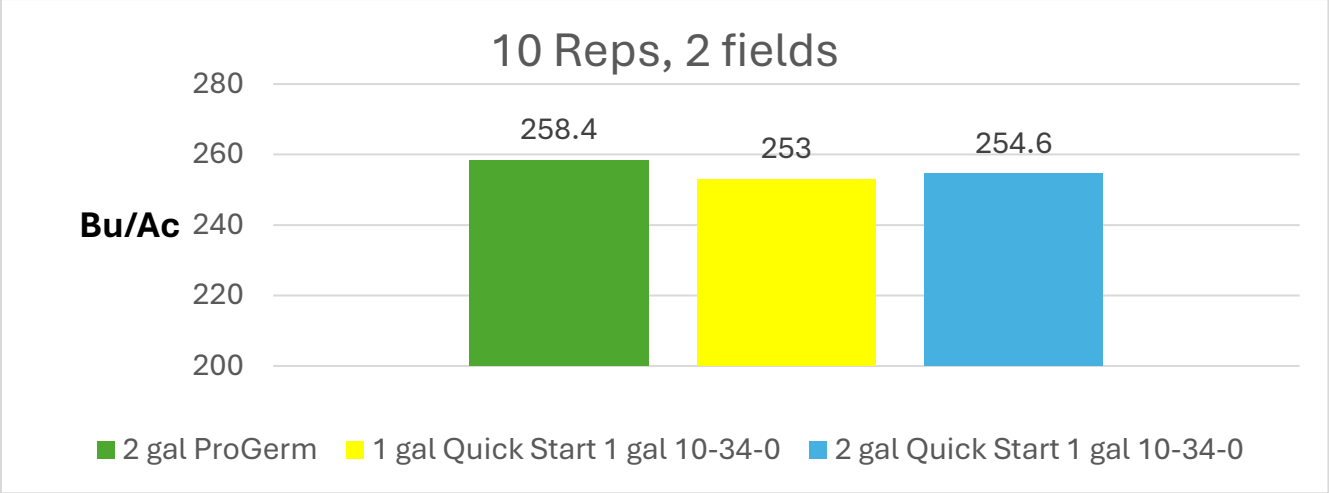


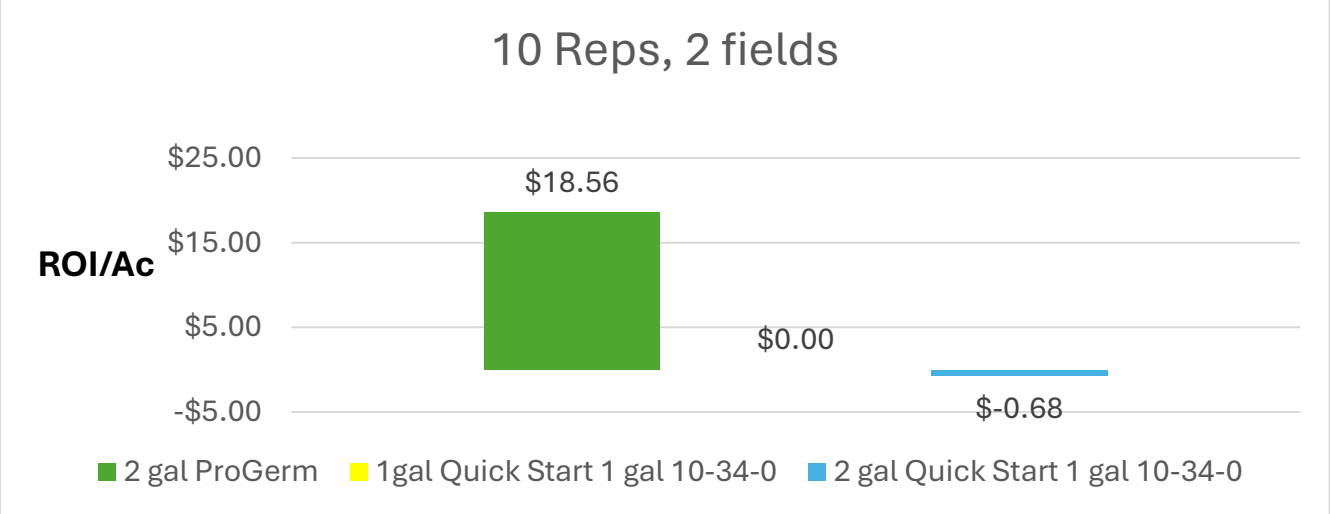
Win Rate	ROI
100%	$44.20

ProGerminator

This study was conducted to compare different phosphorus products infurrow at planting on Corn. Both fields are South of Eckley with a CEC of 5-9 and <1.7% Organic Matter.

Infurrow Blend 1 : 2 gal Pro-Germ, 2 gal water	Cost/Ac $15.00
Infurrow Blend 2 : 1 gal Quick start, 1 gal 10-34-0, 2 gal water	Cost/Ac $10.88
Infurrow Blend 3 : 2 gal Quick start, 1 gal 10-34-0, 1 gal water	Cost/Ac $18.28





ProGerm win rate reflects three years of side by side and over 140 replications.

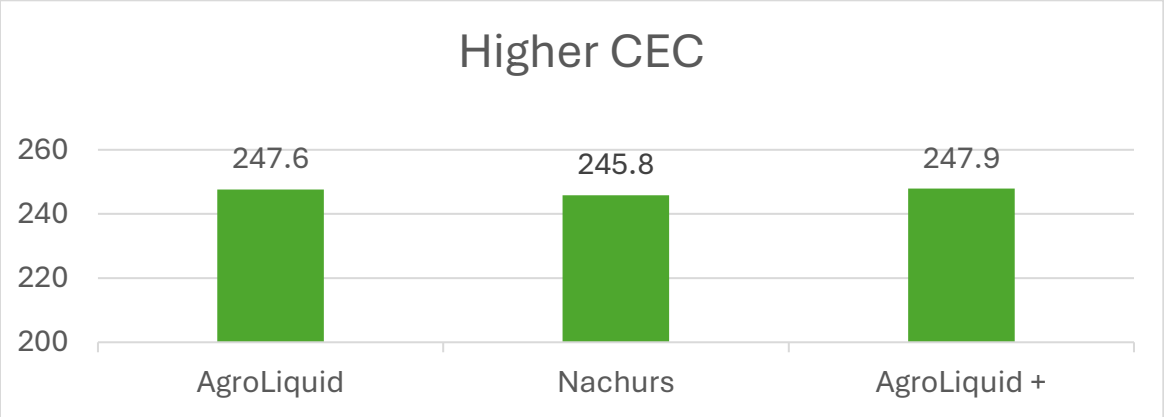
Win Rate	ROI
91%	**$19.05**

Nachurs and AgroLiquid

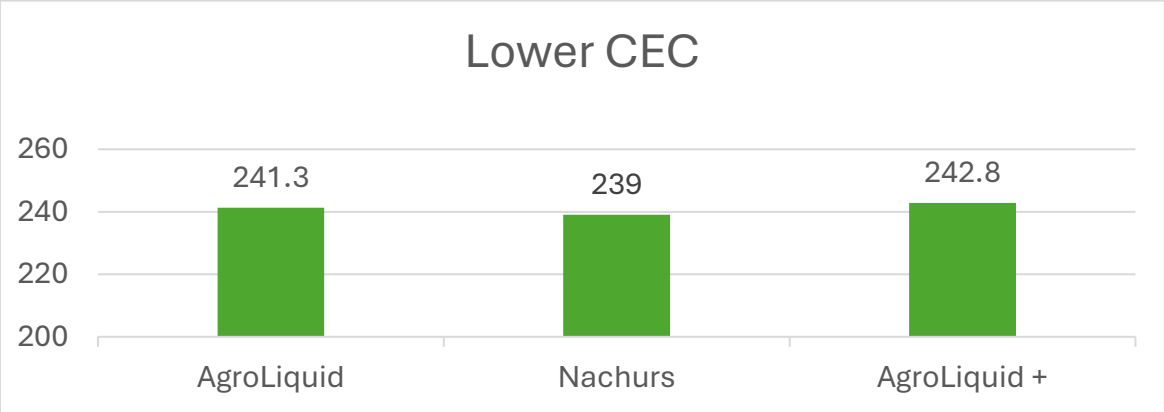
The purpose of this study is to evaluate different infurrow programs from two companies to determine which products have the best ROI.

AgroLiquid Program: 1 gal ProGerm, 1.5 gal water, 2 qts Micro 500
Per/Ac Cost- $15.50/Ac
Nachurs Program: 1.75 gal First Down, 0.5 gal water, 1 qt Humiflex, 2 qts Crop Max
Per/Ac Cost – 19.50/Ac
AgroLiquid + Program: 1 gal ProGerm, 1.25 gal water, 3 qts Micro 500
Per/Ac Cost - $20.00/ac

Figure below shows results from 16 replications in one field north of Wray in 2025 split into two main soil type categories.



Higher CEC
53 PPM Bray 1 P
OM>1 % 7.4 CEC
7.6 Avg. PH



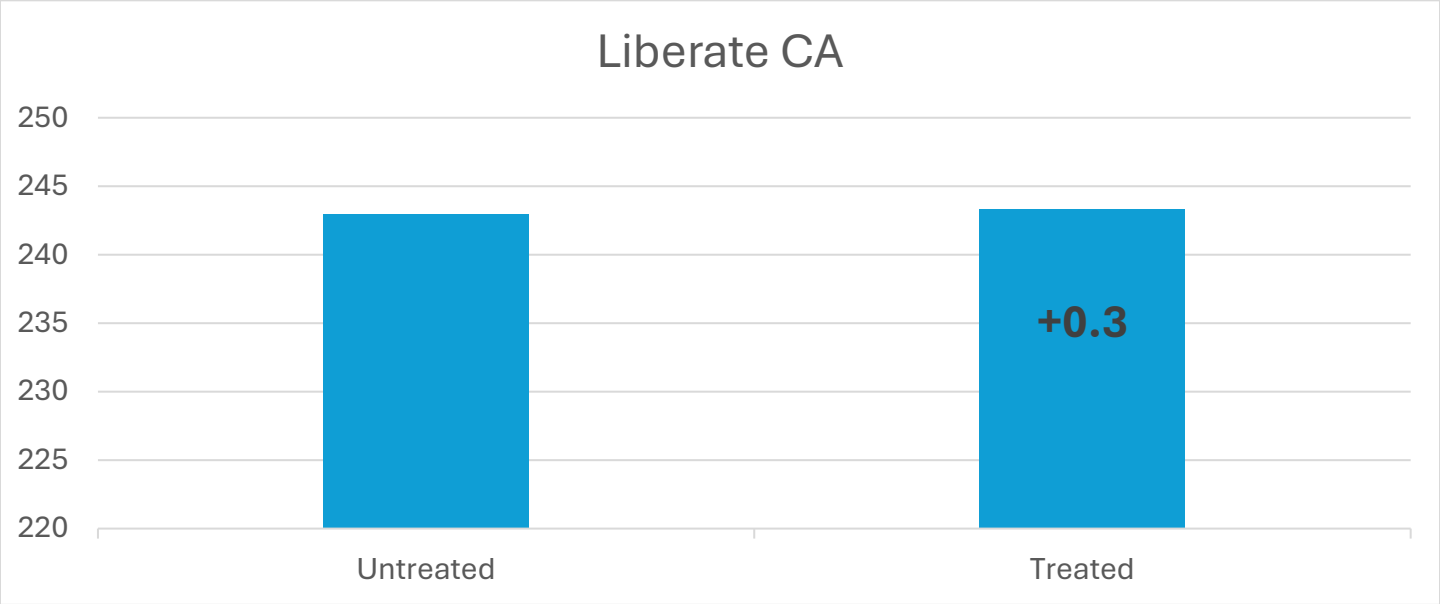
Lower CEC
36 PPM Bray 1 P
OM<1% 4.5 CEC
7.5 Avg. PH

$4.20/bu. Corn used for ROI calculation. Win rate reflects one year side by side results for AgroLiquid + Program over the other two treatments.

Win Rate	ROI
61%	**$9.24**

Liberate CA - AgroLiquid

The purpose of this study is to evaluate added calcium in furrow. Liberate CA was added to grower standard in furrow blend at 1 qt./ac on two fields. This comparison was made north of Wray in CEC under 8.



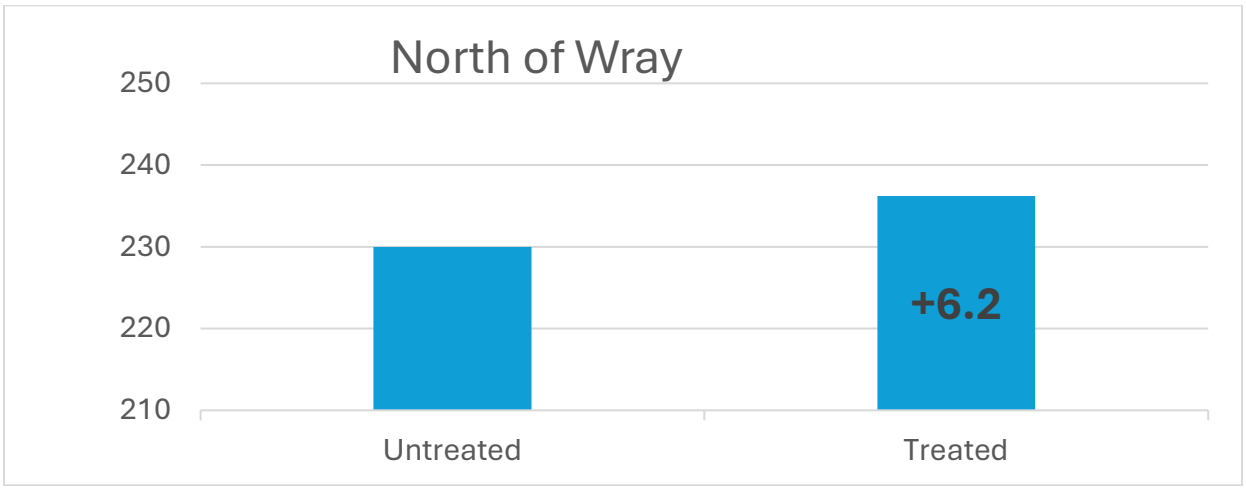
$4.20/bu. Corn used for ROI calculation.
Cost of the Product is $6.12/Ac
Win rate reflects one year side by side in 2025.

Win Rate	ROI
44%	-$4.86

Liberate CA is a liquid fertilizer designed to easily prevent or correct calcium deficiency for all types of crops. Liberate CA is effective in many different soil types, and it can be applied in many ways. The versatile nature of this fertilizer makes it easy to prevent calcium deficiencies or correct them when signs appear.

NutriCharge – AgroTech USA

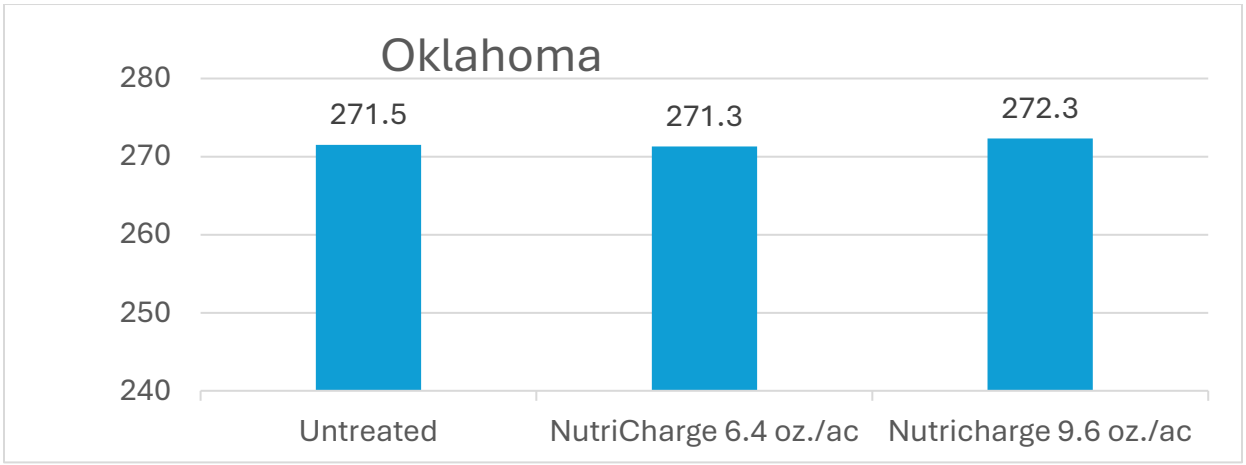
The purpose of this study is to evaluate a biological nutrient efficiency product.
This comparison was made north of Wray in CEC under 10. Side-dress fertilizer in season was reduced.



$4.20/bu. Corn used for ROI calculation. Cost of the Product is $18.00/Ac.
Cost of side-dress fertilizer reduced was $35.28/ac and was a 22-8-2-2s blend. Win Rate reflects one-year side by side ROI win percentage in 2025.

Win Rate	ROI
78%	$29.69

The figure below represents three fields in the Oklahoma panhandle that were tested without reducing synthetic fertilizer and at two different rates.



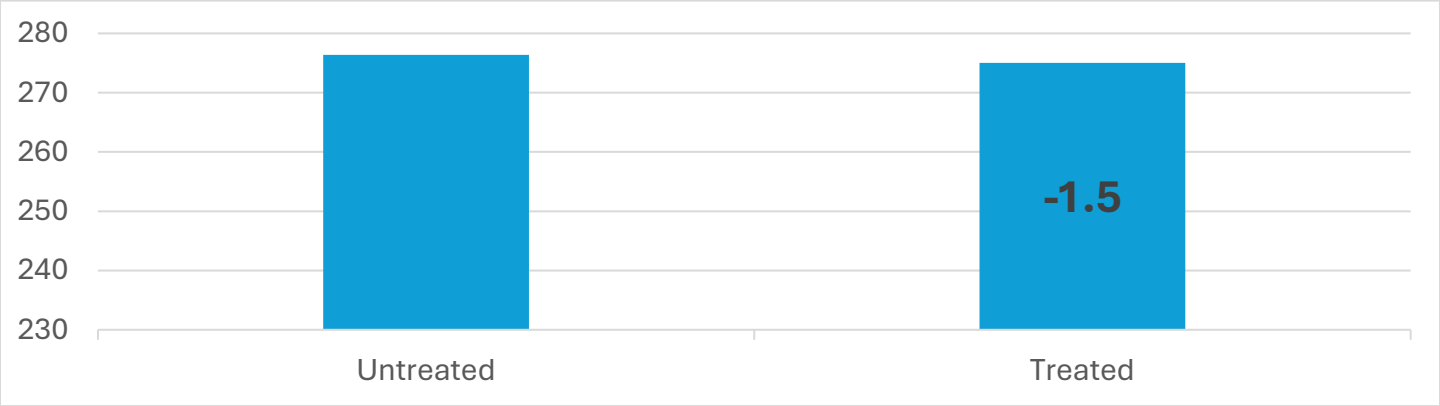
$4.20/bu. Corn used for ROI calculation. Cost of the Product is $18.00/Ac. For 6.4oz rate. No reduction of synthetic fertilizer was made. Win Rate reflects one-year side by side ROI win percentage in 2025.

Win Rate	ROI
46%	-$11.22

RDX-N – Redox BioNutrients

The purpose of this study is to evaluate an in-furrow biological/bio stimulant product's ability to replace synthetic nitrogen. Treated area had 25# less nitrogen during sidedress (June 12). Nitrogen replaced cost $13.50/Ac

The figure below represents two fields between Yuma, CO and Eckley, CO with a total of eight replications.



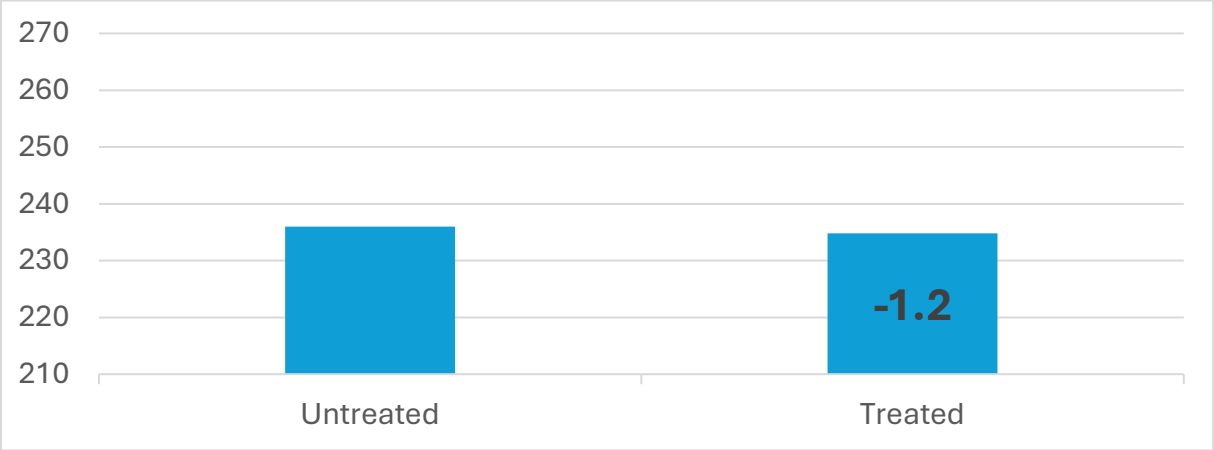
$4.20/bu. Corn used for ROI calculation. Cost of the Product is $18.15/Ac
Win Rate reflects one-year side by side ROI win percentage in 2025

Win Rate	ROI
37.5%	-$10.85

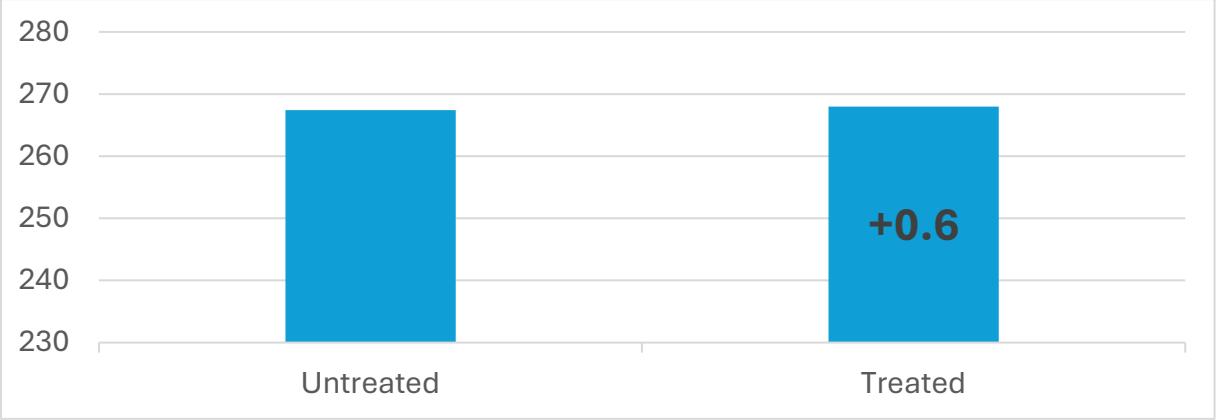
RDX-N is a one-of-a-kind, patented product that helps unlock every ounce of nitrogen. Representing a breakthrough approach, RDX-N is the first and only bio stimulant of its kind. It is not a microbe and not a chemical delay – it is a plant-active botanical extract designed to elevate nitrogen use efficiency from within the plant itself by enhancing that plant's natural metabolism.
Unlike any other nitrogen product, it works smarter by activating metabolic pathways that support sufficient nitrogen uptake, assimilation, and utilization all season long.

Ntexx Edge – Prime Dirt

The purpose of this study is to evaluate Ntexx Edge's ability to add yield to a grower standard program of 250 (average) pounds of synthetic nitrogen in two main soil types.
Four fields are grouped in a CEC of 9-12 and OM of 1.4-1.7% in the first graph and two fields with a CEC of 4-9 and OM under 1.5% in the second graph.



Win Rate	ROI
26%	-$27.64



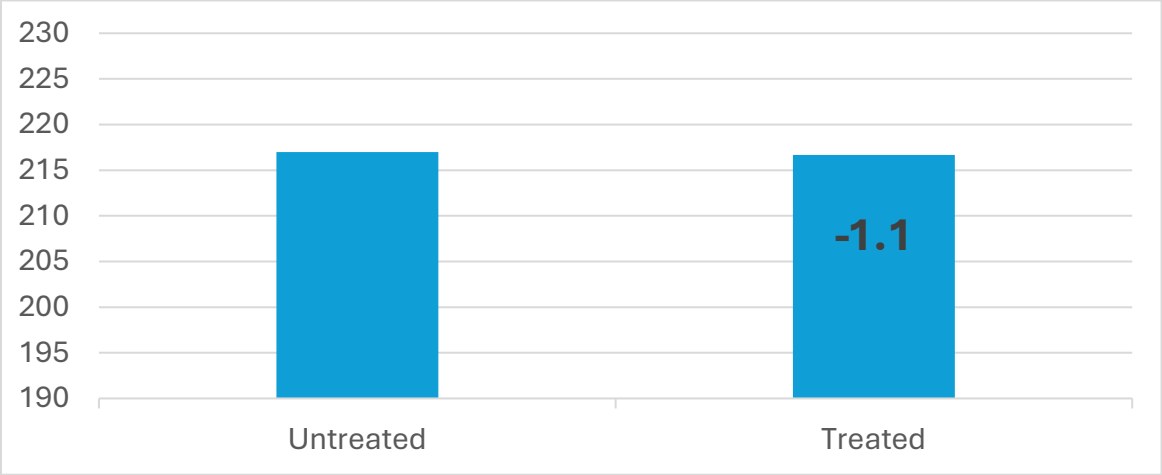
Win Rate	ROI
46%	-$20.08

$4.20/bu. Corn used for ROI calculation. Cost of the Product is $22.60/Ac
Win Rate reflects two-year side by side ROI win percentage in 2023 and 2025

N-TEXX® EDGE is a symbiotic family of selective microbial species that function as a soil inoculant intended to introduce microbes in the soil and increase the active biomass. This also results in improved germination and plant vigor while enhancing nutrient cycling throughout the growing season.

Ag Formula – Bio S.I.

The purpose of this study is to evaluate a biological product and determine its ability to add yield to the grower standard program. Product rate is 10oz./ac infurrow ran in addition to the grower standard of 2 gal of Progerm and 2 qts of Micro 500.
The trial field did receive a significant hailstorm this year.



$4.20/bu. Corn used for ROI calculation.
Win Rate reflects one year side by side in 2025.

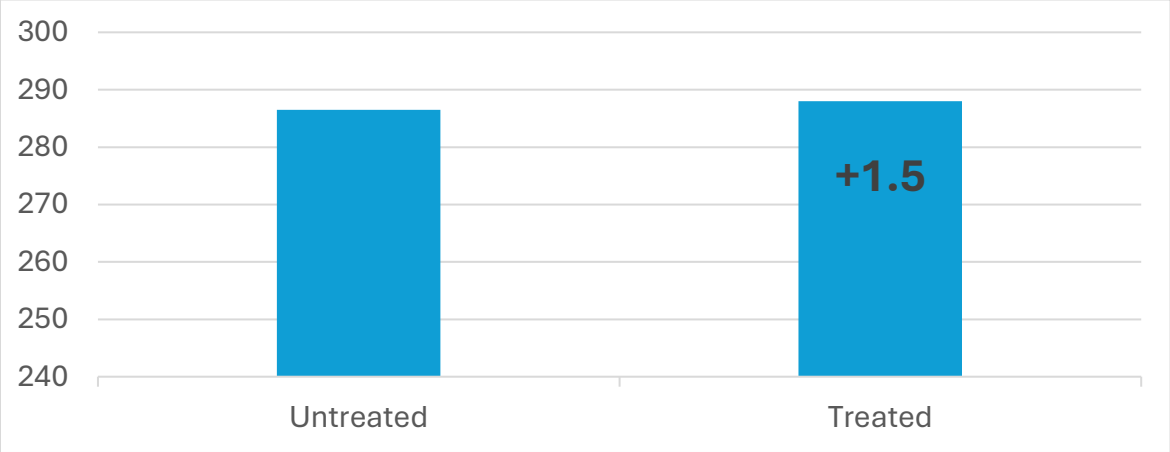
Win Rate	ROI
44%	-$8.28

Bio S.I. **Agricultural Formula** is a liquid soil inoculant that contains a diverse range of naturally occurring beneficial microbes derived from the soil. These microbes play a crucial role in rebuilding soil health, converting organic matter into humus, and unlocking nutrients that are otherwise unavailable to plants. By working symbiotically with plants, these microbes exchange nutrients from plant exudates for their own survival. It is important to note that the health of the plant affects the exudates and, consequently, the survival of the microbes.

Environoc 401 – BW Fusion

The purpose of this study is to evaluate a biological product and determine its ability to add yield to the grower standard program. Product rate is 16oz./ac infurrow ran in addition to the grower standard of 1 gal of Progerm and 3 qts of Micro 500.

The figure below represents eight side by sides in a field south of Yuma, CO



$4.20/bu. Corn used for ROI calculation. Cost of the product is $8.87/Ac
Win Rate reflects one year side by side in 2025.

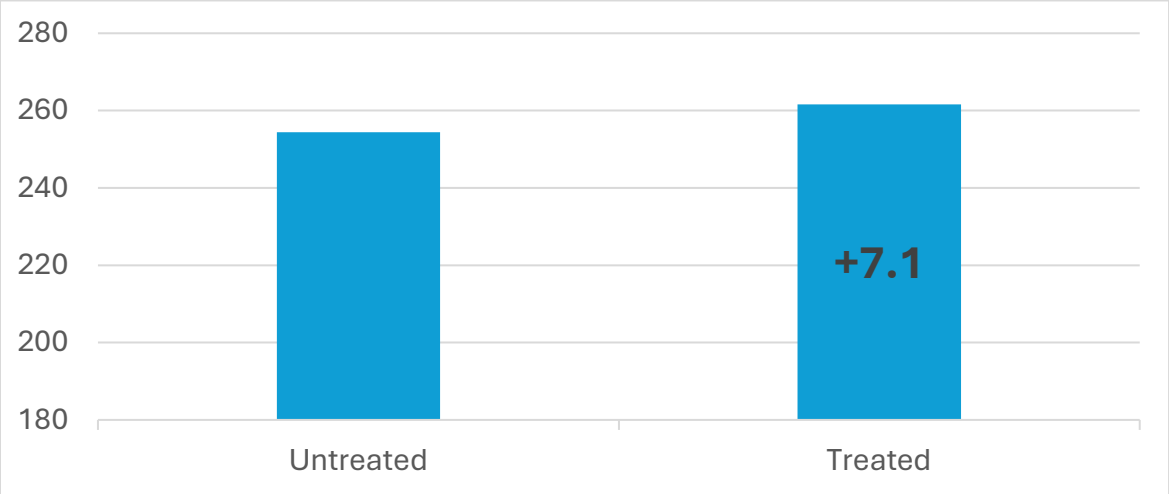
Win Rate	ROI
48%	-$2.57

Biodyne Environoc 401 is an all-organic plant stimulant that promotes thriving soil microbial communities through advanced soil cycling. By enhancing the symbiotic relationship between the soil and plants, growers build a robust ecosystem that encourages natural plant hormone production and root development for maximizing crop yields.

Ethos XB

The purpose of this study is to evaluate biological fungicides and insecticides.
Grower Standard was the same on treated and untreated passes.

The figure below represents one field north of Wray, CO with 7 replications.



$4.20/bu. Corn used for ROI calculation. Cost of the product is $11.01/Ac
Win Rate reflects one year side by side in 2025.

Win Rate	ROI
86%	$18.98

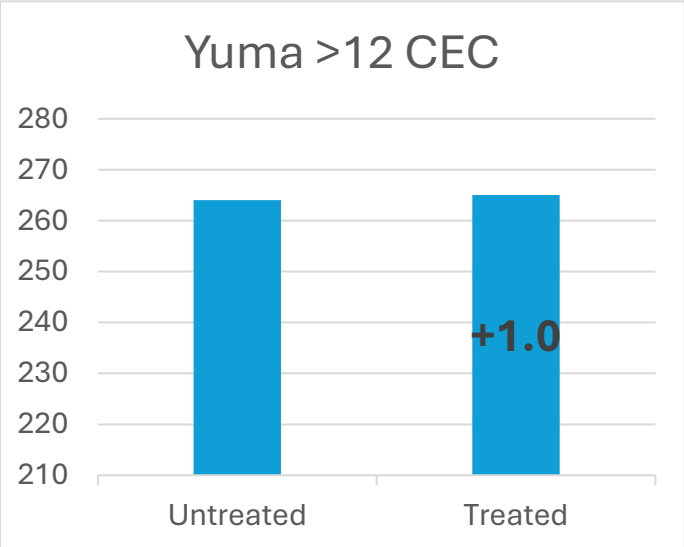
ETHOS® XB INSECTICIDE/FUNGICIDE
Maximize root health at planting with a next-generation, liquid, in-furrow insecticide/fungicide. Ethos® XB insecticide/fungicide offers proven performance against costly yield-robbing pests from day one. Its cutting-edge formula leverages the strongest pyrethroid, bifenthrin, for seedling insect protection and uses naturally occurring organisms with fungicidal properties to colonize root hairs, creating a barrier that protects corn and soybeans through critical growth stages. Ethos XB insecticide/fungicide supports a strong root system and helps guard against damaging insects that can open the door to disease.

Seedzone IF – Precision Laboratories

The purpose of this study is to evaluate the benefits of adding zinc and a seed zone moisture environment enhancing product on top of a grower standard program.

The grower standard used was 2 gal of Progerm and 2 qts of Micro 500.
The figures below reflect two different fields with five replications each.
Product use rate is 12.8 oz/ac

Win Rate	ROI
88%	$11.93



Win Rate	ROI
64%	-$0.25

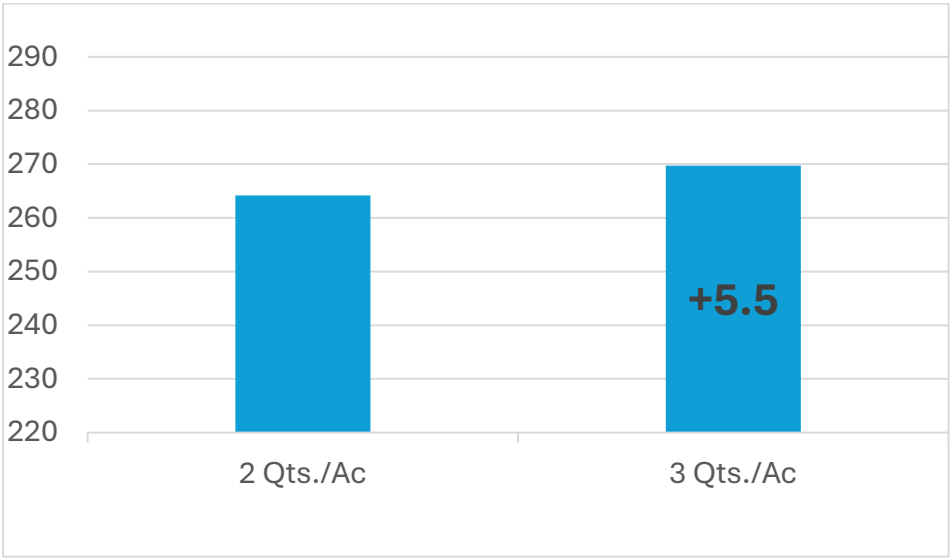
4.20/bu. Corn used for ROI calculation. Cost of the Product is $4.45/Ac
Win Rate reflects one-year side by side ROI win percentage in 2025

SeedZone™ IF is a sustainably sourced nutrient management tool that improves nutrient availability to grow healthier plants with more roots, stronger stalks, and increased yield potential. SeedZone IF is based on patented carboxymethyl cellulose (CMC) technology that enhances the moisture environment to improve nutrient availability and uptake.

Micro 500 – AgroLiquid

The purpose of this study is to determine the ideal rate for micronutrient products.
Grower Standard was the same on treated and untreated passes making the only variable the rate at which Micro 500 was applied.

The figure below represents one field north of Wray, CO with six replications.



4.20/bu. Corn used for ROI calculation. Cost of the additional product is $4.00/Ac
Win Rate reflects one-year side by side ROI win percentage in 2025

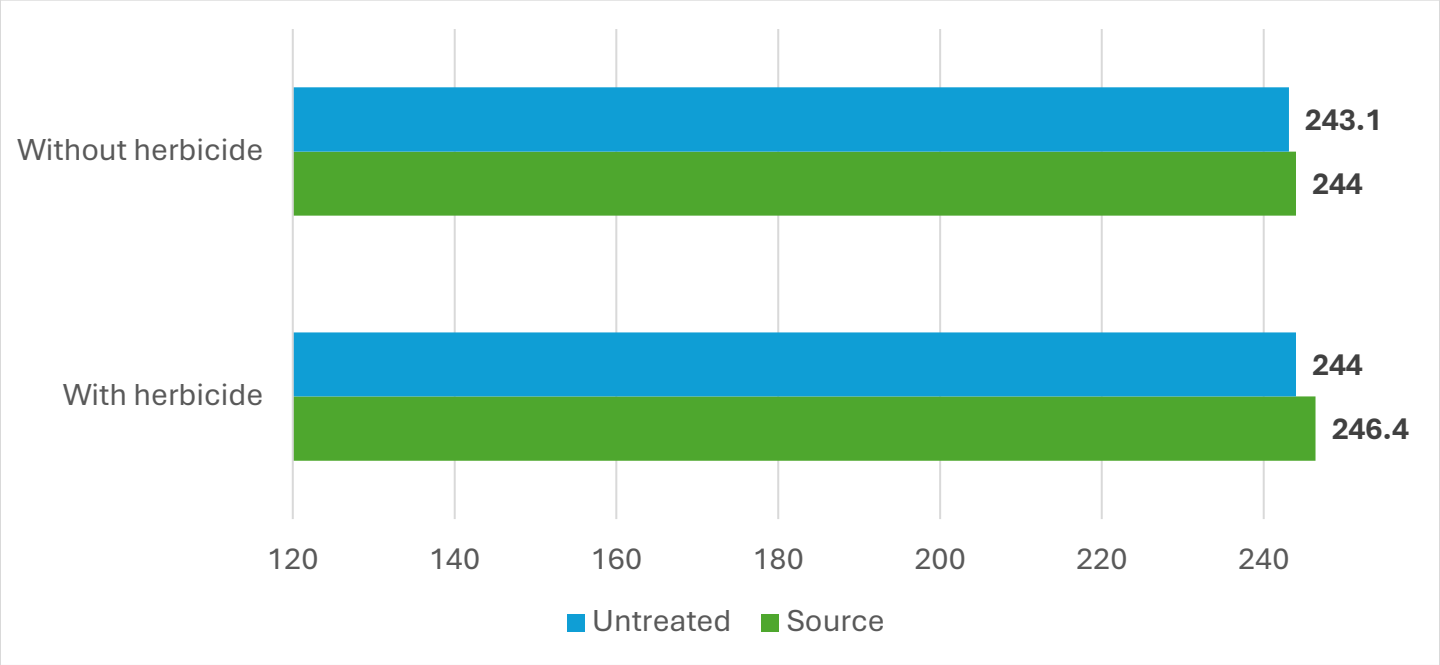
Win Rate	ROI
83%	$19.10

Micro 500 contains the essential micronutrients zinc, manganese, iron, copper, and boron. This liquid micronutrient fertilizer not only covers multiple micronutrient requirements, but it's also easy to apply. This fertilizer is safe to apply with many other nutrition and crop protection products, so you don't have to make an extra trip*. The micronutrients in Micro 500 stimulate healthy growth in a variety of ways and work synergistically with one another. By improving chlorophyll production and photosynthesis, Micro 500 helps to support every growth stage.

Foliar Comparisons

Source – Sound Agriculture

The purpose of this study is to evaluate Source Corn's ability to increase yield in corn.
Four fields were evaluated individually with side-by-side comparisons north of Wray.
Three fields were evaluated individually with side-by-side comparisons south of Yuma.
No synthetic fertilizer was reduced. Application made at V3-V6.



$4.20 Corn used for ROI calculation. Cost of the Product is $14.00/Ac.
Win Rate reflects two-year side by side average ROI win percentage in 2024 and 2025.
No advantage was seen when applying Source separate from herbicide applications.

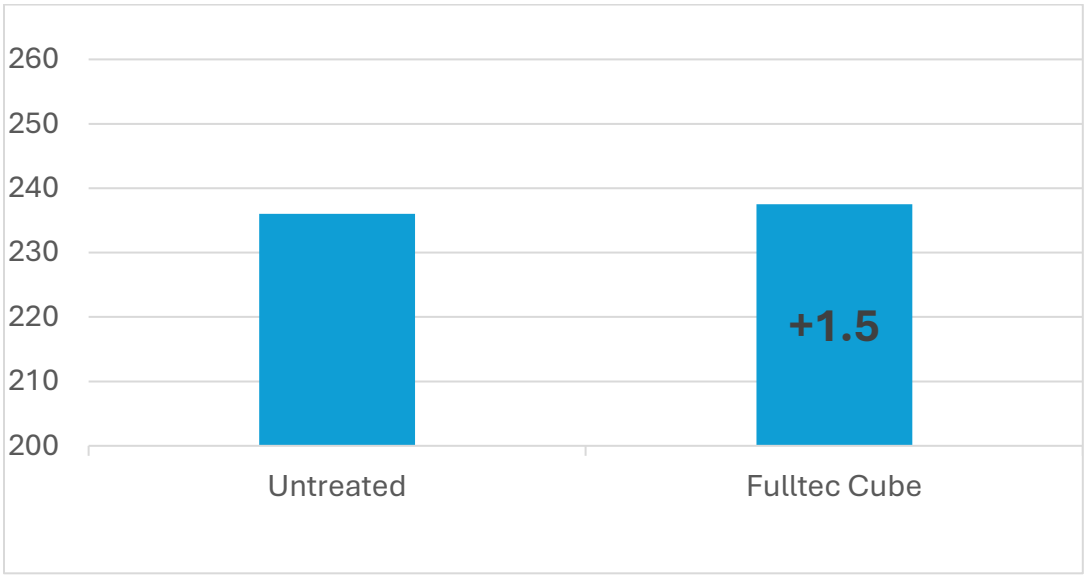
Win Rate	ROI
46%	-$7.38

SOURCE gives crops access to a more efficient source of nitrogen, phosphorus and micronutrients.
A single foliar application of SOURCE enhances nutrient uptake by stimulating beneficial soil microbes, supplying 25 lbs of N & P.

Fulltec Cube – Spraytec

The purpose of this study is to evaluate foliar micronutrients and bio stimulants and determine which products and blends give the best ROI and yield response when added to the normal full fertility program.

This trial was replicated twelve times on three fields north of Wray, CO.
Fulltec Cube was applied at 3 oz/acre at V3-V6.



$4.20 Corn used for ROI calculation. Cost of the Product is $6.09/Ac.
Win Rate reflects one-year side by side average ROI win percentage in 2025.

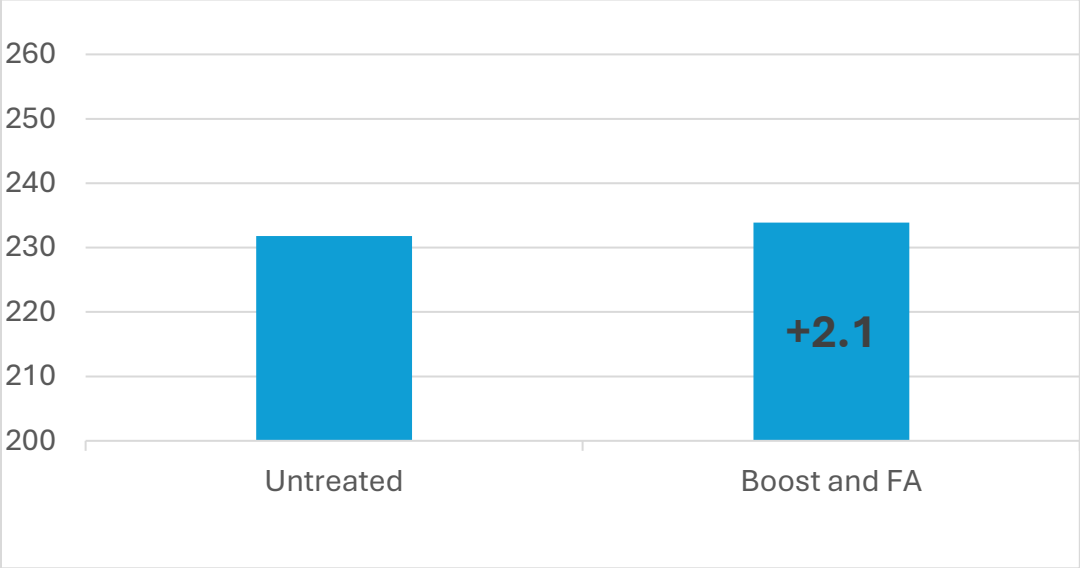
Win Rate	ROI
86%	$0.21

Fulltec Cube is a strong blend of plant health components that will activate plant's natural defense system, making it more resistant to biotic and abiotic stress. Excellent partner for fungicides.

CBF Boost and Fulvic Acid – QLF and Nextgen Fertilizers

The purpose of this study is to evaluate foliar sugar and bio stimulants to determine which products and blends give the best ROI and yield response when added to the normal full fertility program.

This trial was replicated eighteen times on four fields north of Wray, CO.
Boost and Fulvic acid were applied at 0.5gal/acre for the Boost and 1pt/acre of Fulvic Acid at V3-V6.



$4.20 Corn used for ROI calculation. Cost of the Product is $5.62/Ac.
Win Rate reflects one-year side by side average ROI win percentage in 2025.

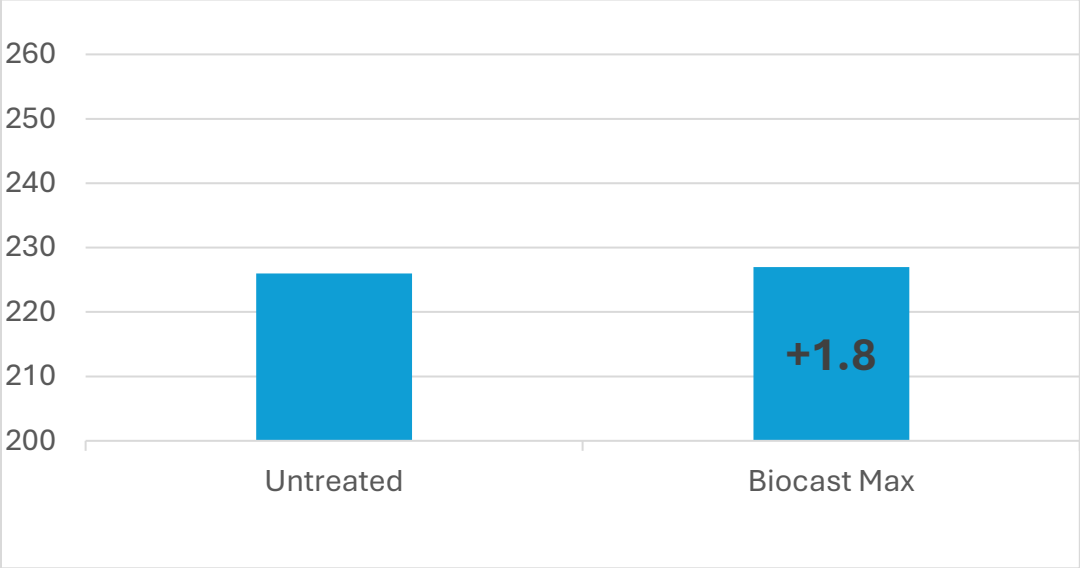
Win Rate	ROI
71%	$3.20

L-CBF BOOST 4-0-3-2S
BOOST is designed to BOOST soil health and make nutrients more available to plants.
Here's what makes it stand out:
Enhances Soil Biology: Supports beneficial soil microbes for healthier soil.
Increases Nutrient Availability: Makes more nutrients available to plants, promoting growth.
Works with Other Products: Compatible with most liquid fertilizers and pesticides, improving performance and reducing drift.
Cost-Effective: Great value for improving crop health and soil productivity.

Biocast Max– BW Fusion

The purpose of this study is to evaluate foliar biologicals and bio stimulants to determine which products and blends give the best ROI and yield response when added to the normal full fertility program.

This trial was replicated fifteen times on eight fields north of Wray, CO.
Biocast Max was applied at 1 qt./acre at V3-V6.



$4.20 Corn used for ROI calculation. Cost of the Product is $25.00/Ac.
Win Rate reflects one-year side by side average ROI win percentage in 2025.

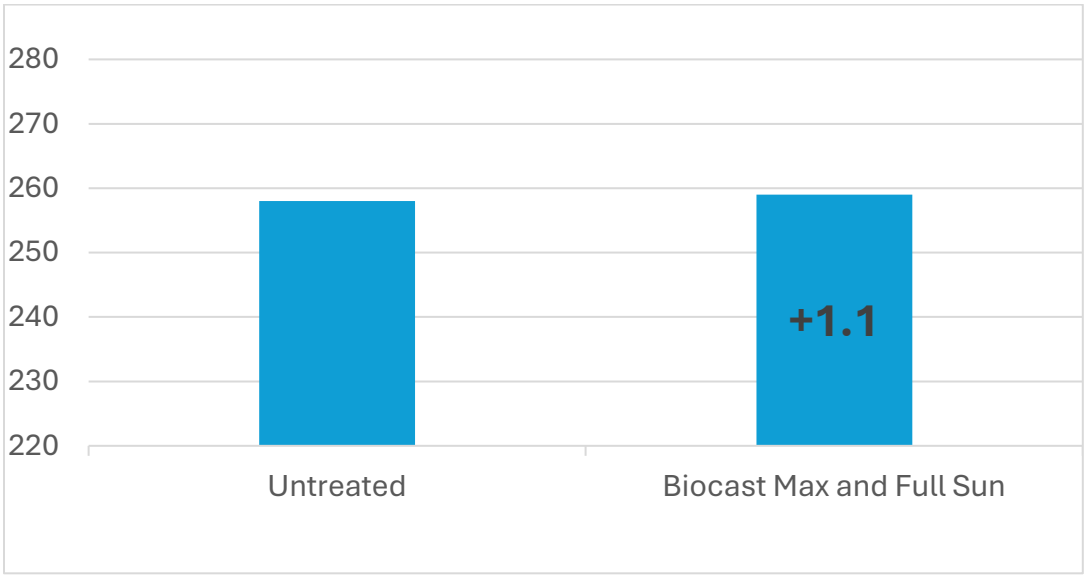
Win Rate	ROI
31%	-$17.44

Biocast MAX is designed to capture needed plant nutrients that exist both within our atmosphere and our soils and convert them to readily available nutrients for plant uptake. Therefore, this innovative product not only reduces the reliance on commercial fertilizer but also is exceptionally environmentally friendly. By more efficiently and safely using what exists within our environment today, this product is estimated to reduce the commercial application of Nitrogen by 15 pounds and Phosphorus by 35 pounds while still yielding an approximate 2-5% yield increase.

Biocast Max and Full Sun – BW Fusion

The purpose of this study is to evaluate foliar biologicals and bio stimulants to determine which products and blends give the best ROI and yield response when added to the normal full fertility program.

This trial was replicated seven times on two fields north of Wray, CO.
Biocast Max was applied at 1 pt./acre and full sun at 64oz./ac at V3-V6.



$4.20 Corn used for ROI calculation. Cost of the Product is $32.40/Ac.
Win Rate reflects one-year side by side average ROI win percentage in 2025.

Win Rate	ROI
16%	-$27.78

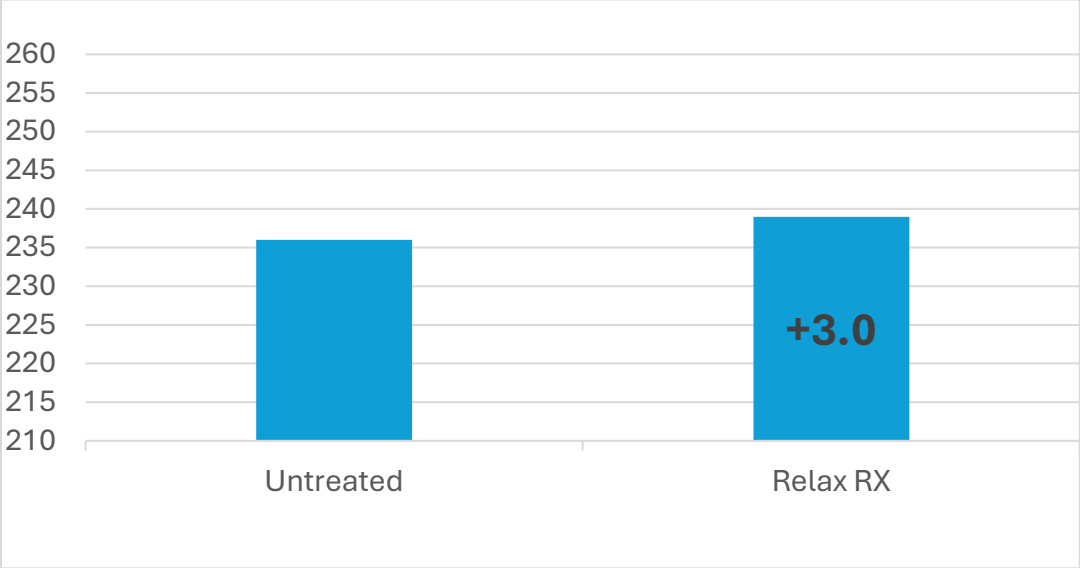
Biocast MAX is designed to capture needed plant nutrients that exist both within our atmosphere and our soils and convert them to readily available nutrients for plant uptake. Therefore, this innovative product not only reduces the reliance on commercial fertilizer but also is exceptionally environmentally friendly. By more efficiently and safely using what exists within our environment today, this product is estimated to reduce the commercial application of Nitrogen by 15 pounds and Phosphorus by 35 pounds while still yielding an approximate 2-5% yield increase.

Full Sun is critical to create reserves in your plants before the reproductive stage. Not only does Full Sun provide plants with the essential nutrients they need, but it also gives them the capabilities to maximize the sunlight needed to grow bigger and strong. With Full Sun, you can finally achieve a more effective and efficient plant.

Relax RX– BW Fusion

The purpose of this study is to evaluate foliar biologicals and bio stimulants to determine which products and blends give the best ROI and yield response when added to the normal full fertility program.

This trial was replicated four times on one field north of Wray, CO.
Relax RX was applied at 1 pt./acre at V3-V6.



$4.20 Corn used for ROI calculation. Cost of the Product is $12.00/Ac.
Win Rate reflects one-year side by side average ROI win percentage in 2025.

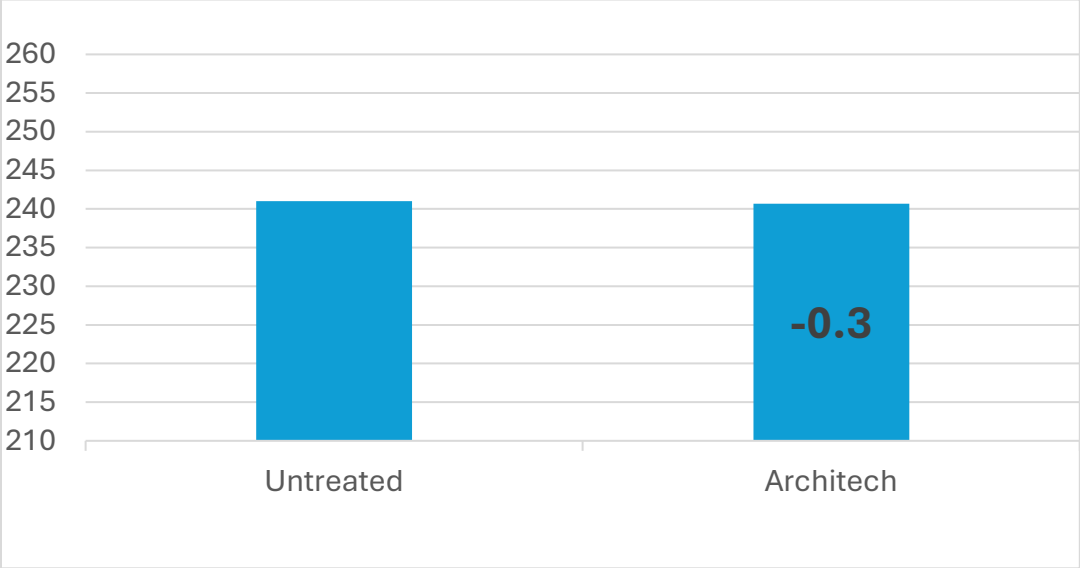
Win Rate	ROI
79%	$0.60

Relax RX combines powerful ingredients, including Cobalt, Amino Acids, Respite, and BLG. This unique formulation supports essential plant functions such as absorption, stomatal regulation, enzyme activation, metabolic activity, and antioxidant activity, promoting overall plant health and vitality.
Relax RX minimizes yield loss and reduces downtime by building plant resilience to short-term stress. This enhanced tolerance ensures that your plants remain productive even under challenging conditions. Relax RX facilitates quick recovery after stress events, and it includes herbicide applications. This rapid recovery process ensures that plants return to their peak performance swiftly, maintaining consistent growth and yield.
Extend your plants' productive days with Relax RX. By boosting sugar creation and optimizing nutrient use, this product helps maximize the growing season, leading to higher yields and more efficient farming.

Architech – AgXplore

The purpose of this study is to evaluate foliar nutrients and bio stimulants to determine which products and blends give the best ROI and yield response when added to the normal full fertility program.

This trial was replicated four times on one field north of Wray, CO.
Architech was applied at 1 qt./acre at V3-V6.



$4.20 Corn used for ROI calculation. Cost of the Product is $8.92/Ac.
Win Rate reflects one-year side by side average ROI win percentage in 2025.

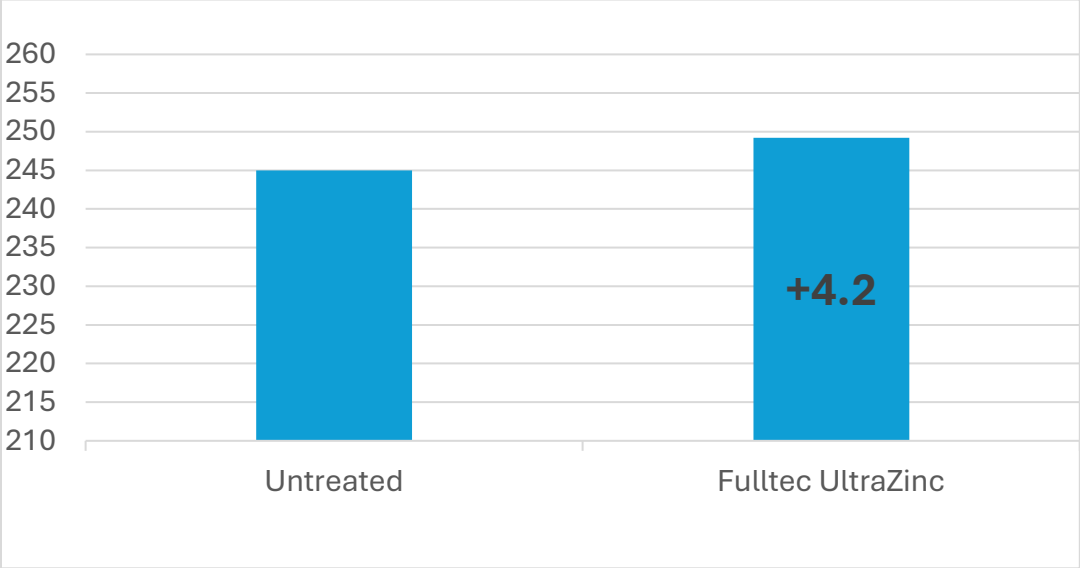
Win Rate	ROI
16%	-$10.18

ARCHITECH® is a nutrient package that supplies N, P, K, and key micronutrients during periods of peak demand. Key nutrients drive higher rates of photosynthesis to preserve yield potential. ARCHITECH® also includes GABA which promotes plant growth and development and mitigation of abiotic stresses. Application timings include early vegetative foliar and potential mid-to-late reproductive stages.

Fulltec UltraZinc – Spraytec

The purpose of this study is to evaluate foliar nutrients and bio stimulants to determine which products and blends give the best ROI and yield response when added to the normal full fertility program.

This trial was replicated four times on one field east of Yuma, CO.
Fulltec UltraZinc was applied at 4oz./acre at V3-V6.



$4.20 Corn used for ROI calculation. Cost of the Product is $9.70/Ac.
Win Rate reflects one-year side by side average ROI win percentage in 2025.

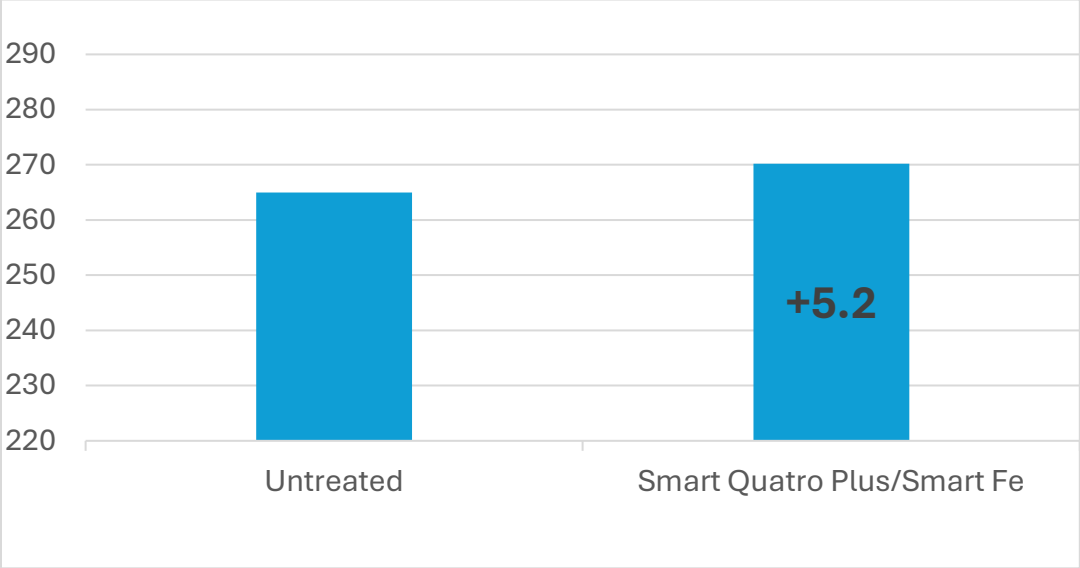
Win Rate	ROI
75%	$7.94

Fulltec Ultrazinc is a complete nutritional blend that supplies nutrients that can limit yield in-season. This product works considering that yield is proportional to the amount of the most limiting nutrient, whichever one it may be.

Smart Quatro Plus and Smart Fe – Brandt

The purpose of this study is to evaluate foliar nutrients and bio stimulants to determine which products and blends give the best ROI and yield response when added to the normal full fertility program.

This trial was replicated ten times on two fields south of Yuma, CO.
Smart Quatro Plus was applied at 20oz/acre and Smart Fe was applied at 10oz./acre at V3-V6.



$4.20 Corn used for ROI calculation. Cost of the Product is $7.35/Ac.
Win Rate reflects one-year side by side average ROI win percentage in 2025.

Win Rate	ROI
90%	$14.49

BRANDT SMART QUATRO PLUS is a new advanced compatibility, high efficiency foliar designed for superior compatibility with fungicides and *select dicamba herbicides. The 5-0-0 formulation contains a full micronutrient package, including boron, manganese, molybdenum, zinc and sulfur. It supplies high quality, readily available nutrients to plants in a highly efficient and mobile form, making it an ideal choice for in-season nutrient applications on row crops.
BRANDT SMART Fe is specifically formulated for foliar delivery of iron.

Local Hybrid Results

South Yuma County

Company	Variety	Yield
Pioneer	P08527V	280
Dekalb	DKC104-08RIB	279
Dekalb	DKC104-14RIB	278
Pioneer	P02405V	274
Dekalb	DKC103-63RIB	272
Pioneer	P03115V	270
Dekalb	DKC108-64RIB	269

North of Yuma

Company	Variety	Yield
Pioneer	P10300PCE	280
Pioneer	P12517V	279
Pioneer	P08527V	278
Pioneer	P03357PCUE	274
Pioneer	P12904V	272
Dekalb	DKC101-33RIB	270
Dekalb	DKC108-64RIB	269
Dekalb	DKC112-29RIB	266
Dekalb	DKC104-08RIB	265
Dekalb	DKC103-63RIB	264
Pioneer	P13777V	262
Dekalb	DKC104-14RIB	259
Pioneer	P05466V	258
Dekalb	DKC114-42RIB	257
Pioneer	P02405V	255
Pioneer	P10625V	253
Dekalb	DKC11-35RIB	252

North of Wray

Company	Variety	Yield
Becks	6216PCE	245
Channel	21071TRERIB	238
Dekalb	DKC112-12RIB	233
Allegiant	Experimental	233
Channel	209-70TRERIB	229
Pioneer	P09076PCE	228
Dekalb	DKC110-28RIB	227
Allegiant	11171VT2P	224
Pioneer	P14364PCUE	224
Pioneer	P12517V	224
Allegiant	11124VT4P	220
XL Brand	6133V	220
Becks	6258V4P	220
Channel	212-76TRERIB	217
Dekalb	DKC107-69RIB	215
Channel	213-81DGVT2PRIB	214
Dekalb	DKC62-69RIB	212
Dekalb	DKC108-17RIB	209
Becks	6075PCE	208
Dekalb	DKC66-06RIB	207
Pioneer	P13777PCUE	204

Kit Carson Dryland

Company	Variety	Yield
Channel	205-85VT2PRIB	137
Dekalb	DKC104-08RIB	132
Dekalb	DKC107-69RIB	131
Channel	204-54TRERIB	131
Dekalb	DKC099-11RIB	130
Pioneer	P05081AML	130
Channel	200-42VT2PRIB	129
Pioneer	P00549AM	126
Pioneer	P03357PCUE	126
Channel	200-48VT2PRIB	123
Pioneer	P09076PCE	122
Dekalb	DKC111-62RIB	110