

CLEANER. SAFER. GREENER.®



newfieldsag.com

PRODUCT GUIDE

2025



0% FINANCING

See details on page inside back cover

See the New
BioStax™
BioPesticide for CRW mitigation

Innovations In Your Fields™



FARMER-FOCUSED

At NewFields Ag, we know that farmers' success is the backbone of the agricultural industry, and your insights and experiences are invaluable for developing effective solutions to improve productivity, resilience, and sustainability in farming. Key aspects of our farmer-focused research include:

- 1. On-Farm Trials:** Conducting experiments and trials directly on farmers' fields to test the effectiveness of new technologies, practices, or interventions in real-world conditions.
- 2. Knowledge Exchange:** Facilitating the exchange of knowledge and expertise between researchers and farmers to promote mutual learning and innovation.
- 3. Sustainable Practices:** Emphasizing research on sustainable agricultural practices that enhance productivity while minimizing negative environmental impacts.

By NewFields Ag focusing on the needs and priorities of farmers, farmer-focused research aims to generate actionable insights and practical solutions that can contribute to the long-term viability and resilience of your farming systems.

NewFields Ag farmer-focused product performance proves a commitment to optimizing agricultural practices to benefit farmers like you directly.

This approach involves various elements:

- 1. Yield Enhancement:** Implementing techniques and technologies aimed at increasing crop performance and yields.
- 2. Cost Reduction:** Finding ways to minimize input costs while maintaining or increasing productivity.
- 3. Risk Management:** Providing farmers with tools and knowledge to mitigate risks such as weather-related disasters, market fluctuations, and crop diseases.
- 4. Education and Support:** Offering training workshops to equip farmers and resellers with the latest agricultural knowledge and techniques. Additionally, providing access to financial resources can help farmers make informed decisions.
- 5. Sustainability:** Promoting environmentally friendly practices that ensure the long-term viability of farming operations, such as soil conservation, water management, and biodiversity preservation.

Overall, a farmer-focused performance approach aims to empower farmers to succeed economically, socially, and environmentally, thereby contributing to food security and rural development.

NewFields Ag provides you with a farmer-focused biological and biostimulant portfolio which encompasses a range of products aimed at enhancing crop health, productivity, sustainability, and additional yield.

- 1. Biofertilizers:** These contain living microorganisms that enhance nutrient availability and uptake by plants. They can include nitrogen-fixing bacteria, phosphorus-solubilizing bacteria, and mycorrhizal fungi.
- 2. Biological insecticides:** These are derived from naturally occurring micro organisms or compounds that target insect pests while minimizing harm to beneficial insects and the environment. Endu-R for corn rootworm hits this mark.
- 3. Biostimulants:** These are substances or microorganisms that stimulate plant growth, enhance nutrient uptake, and improve stress tolerance.
- 4. Plant Growth-Promoting Rhizobacteria (PGPR):** These are beneficial bacteria that colonize the rhizosphere and promote plant growth by various mechanisms, such as nutrient solubilization, hormone production, and disease suppression.
- 5. Mycorrhizal inoculants:** These contain beneficial fungi that form symbiotic relationships with plant roots, improving nutrient and water uptake in exchange for plant-derived carbon.
- 6. Seed treatments:** These can include coatings or inoculations with beneficial microorganisms or compounds to enhance seed germination, early growth, and protection against pathogens.
- 7. Soil conditioners:** These amendments improve soil structure, water retention, and nutrient availability.

By offering a diverse range of biological and biostimulant products, farmers can adopt more sustainable practices, reduce reliance on synthetic chemicals, and improve the overall health and resilience of their crops and soils.

At NewFields Ag, we believe a farmer-focused future holds a lot of promise, particularly as we seek sustainable and efficient ways to produce food for a growing global population. Overall, a farmer-focused future holds the promise of feeding a growing population sustainably while preserving the environment and promoting economic prosperity for farmers and rural communities.

Respectfully,

Brian A. Tulley
President/CEO
NewFields Ag



NEWFIELDS AG FINANCING

Take advantage of these great financing options to help smooth out your operation's cash flow throughout the year.

Interest Rate	Through	Payment Due
0%	April 15, 2025	Dec 15, 2025
Prime - 3.5	April 16, 2025	Dec 15, 2025

- Available on all NewFields Ag products (except the LeafTech subscription)
- Credit decisions made within 48 hours from application on requests up to \$200,000
- Easy 1 page application at www.newfieldsag.com.
 - Click on the **Financing link in the dashboard**
- See Page 25 for more details on this great financing

ORDERING AND SHIPPING

There are several convenient ways for you to order.

Order through our Large Dealer Network

NewFields Ag has a large reseller network led by our Business Development Managers. We encourage you to work with one of the great people in our network to discuss your needs and place an order. To find a reseller near you, go to www.newfieldsag.com and click on **Find a Reseller** in the dashboard.

Order Directly from NewFieldsAg.com

Visit www.newfieldsag.com to search for product information, labels and usage rates. You can place your order while on our website. We will gladly ship your order to one of our many resellers or directly to you anywhere in the United States.

Order Directly Over the Phone

Call us at 877-NFA-BIOS (877-632-2467) and someone will happily answer your questions and take your order.

Ask About Our Replant Program.

"The goal of sustainable agriculture should be to regenerate the soil and the ecosystem, not just to maintain them." -

- Joel Salatin

APPLICATION SYMBOLS



PLANTER BOX



SEED TREATMENT



LIQUID IN FURROW



FOLIAR



SOIL AMENDMENTS



INSECT CONTROL



CLEANER



TECHNOLOGY SOFTWARE



STALK DEGRADATION & SOIL REMEDIATION



MANURE & COMPOST MANAGEMENT

TO ORDER

Call 1-877-632-2467 (1-877-NFA-BIOS) or Visit newfieldsag.com

G R E A T J U S T



NewFields Ag™ BioStax™ Category of products - The interaction of three or more biological products so that their combined effect on crop performance is greater than the sum of their individual effects and reduces the farmer's cost per acre compared to buying the products separately.

Characteristics →	Purpose	Active Ingredients
Calib-R Small Grains	A superior bio-complex microbe carrier, seed and planter box lubricant	Rizosphere + DUST (Biological microbe consortium + 4 kelp strains)
Dri-Fecta	Seed Drying - Shine - Flow agent	Titanium, Mica, Soy protein amino acid (DUST)
DUST	A superior bio-complex microbe carrier, seed and planter box lubricant	Bio-complex soy protein amino acid blend
DUST+B4	To solubilize phosphorus from the soil. Shows natural antifungal properties. Pre-built into a superior bio-complex carrier and lubricant (DUST)	Brevibacillus laterosporus, Bacillus licheniformis, Bacillus amyloliquefaciens, Bacillus pumilus, Soy protein amino acid (DUST)
MycoGold + DUST Corn	Will accelerate growth, enhance root system, colonizes roots, and provide superior drought stress protection. Also prevents various soil-borne pathogens and insect pests from crop damage. Provides top-end singulation and is less abrasive to seeds than talc and graphite.	Endomycorrhizal Fungi, Beauveria Bassiana Fungi Azospirillum, Azotobacter, Rhodopseudomonas palustris, Fortified Aminos Humates, Soy protein amino acid (DUST)
MycoGold + DUST Soybeans	Will accelerate growth, enhance root system, colonizes roots, and provide superior drought stress protection. Also prevents various soil-borne pathogens and insect pests from crop damage. Provides top-end singulation and is less abrasive to seeds than talc and graphite.	Endomycorrhizal Fungi, Beauveria Bassiana Fungi Azospirillum Azotobacter, Rhodopseudomonas palustris Bradyrhizobia Japonicum Fortified Aminos, Humates, Soy protein amino acid (DUST)
N Bolst-R	Increases nitrogen availability while providing improved phosphorus and potassium efficiency	4 forms of N-Fixing Bacillus, 1 form of Potassium solubilizing Bacillus 1 form of a Phosphorus solubilizing bacteria
Nutriquire+DUST+TS401	Intended to increase the active biomass in the soil. Introduces microbes into the soil resulting in improved nutrient cycling. Allows plants to more effectively utilize nutrients while providing superior and safe seed lubrication	Bacillus subtilis, Pseudomonas putida, Humic Acids, Stimulate siderophores for Iron Solubilization, Soy protein amino acid (DUST)
Nutriquire+DUST+TS450	Intended to increase the active biomass in the soil. Introduces microbes into the soil resulting in improved nutrient cycling. Allows plants to more effectively utilize nutrients while providing superior and safe seed lubrication	Bacillus subtilis, Pseudomonas putida, Humic Acids, Stimulate siderophores for Iron Solubilization, Soy protein amino acid (DUST)
Vict-R PM Soybeans	Helps improve emergence, early plant vigor and nodulation. Allows plants to more effectively utilize nutrients while providing superior and safe seed lubrication	Methylobacterium hispanicum, Soy protein amino acid (DUST)
Vict-R RYZ Soy-beans	Helps improve emergence, early plant vigor and nodulation. Allows plants to more effectively utilize nutrients while providing superior and safe seed lubrication	Methylobacterium hispanicum Brevibacillus laterosporus, Bacillus licheniformis, Bacillus amyloliquefaciens, Bacillus pumilus Soy protein amino acid (DUST)
Provid-R PM Corn	Helps improve emergence, early plant vigor and root growth. Allows plants to more effectively utilize nutrients while providing superior and safe seed lubrication	Methylobacterium gregans, Soy protein amino acid (DUST)
Bio-Stealth with Provid-R PM Corn CRW	For mitigation of corn rootworm larval feeding damage. Creates an environment around the roots that keeps the rootworm from finding the roots. Allows plants to more effectively utilize nutrients while providing superior and safe seed lubrication.	Methylobacterium gregans Methylobacterium extorquens strain NLS0042 Soy protein amino acid (DUST)

G O T B E T T E R

AGRONOMIC SYNERGY CONVENIENCE SAVINGS RETURN-ON-INVESTMENT

- **Convenience** – provides convenience (less mixing) to the farmer along with cost savings - lower per-acre cost over buying same products separately.
- **Synergistic effect** – 3 or more unique products create a combined crop effect greater than the sum of the individual products.
- **One pass method** – 2+2=5 – Stacking multiple biological modes of action in one package allows for one simple application.

- **Agronomic benefit** – Our best products are used when selecting our blended BioStax products, giving you the confidence you're using the highest performing products.
- **Operational benefit** – we blend it in correct ratios saving you time and making sure the product gets on your crop right.
- **Economic benefit** – Only products that exceed our Yield-Check win percentages go into our BioStax packages, giving you the confidence you will see bigger yields and better Return On your Investment.

Nutrients	Watch-Outs & Considerations	Biological or BioStimulant	ST	PB	Shelf Life	Labeled Crop
	180 day life on seed dry application	Biological		0.5 oz/unit	2 years	
			0.5 oz to 0.8 oz/unit		5 years	Any
		BioStimulant		0.5 oz/unit	5 years	Any
		Both		0.5 oz/unit	2 years	Any
Iron (Fe) 2.0%, Manganese (Mn) 0.50% Magnesium (Mg) 2.0%, Boron (B) 0.050%, Cobalt (Co) 0.0020%, Molybdenum (Mo) 0.0010%, Zinc (Zn) 6.0%, Sulfur (S) 5.0%, Calcium (Ca) 8.0%, Copper (Cu) 0.15%	120 hour window after mixed with seed (dry application) 4 week window after treated with seed (liquid Slurry application)	Both		2 oz/unit	2 years	Corn
Iron (Fe) 2.0%, Manganese (Mn) 0.50%, Magnesium (Mg) 2.0%, Boron (B) 0.050%, Cobalt (Co) 0.0020%, Molybdenum (Mo) 0.0010%, Zinc (Zn) 2.0%, Sulfur (S) 5.0%, Calcium (Ca) 8.0%, Copper (Cu) 0.15%	120 hour window after mixed with seed (dry application) 4 week window after treated with seed (liquid Slurry application)	Both		2 oz/unit	2 years	Soybeans
	180 day life on seed dry application	Biological		0.5 oz/unit		
	180 day life on seed dry application	Both		0.5 oz/unit	24 months	Soybeans
	180 day life on seed dry application	Both		0.5 oz/unit	24 months	Corn
	180 day life on seed dry application	Both		0.5 oz/unit soybeans 0.5 oz/25,000 sunflower seeds	24 months	Soybeans Sunflowers
Iron, Manganese, Copper, Zinc and Molybdenum	180 day life on seed dry application	Both		0.5 oz/unit	24 months	
	180 day life on seed dry application	Both		0.5 oz/unit corn 0.5oz/unit 50,000 sorghum seeds	24 months	Corn Sorghum
	180 day life on seed dry application	Both		0.5 oz/unit corn	24 months	Corn

TO ORDER

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Scan for more information.



Bio-Stealth™ with Provid-R PM Corn™

NEW to the NewFields Ag BioStax™ lineup!

- **Root Regrowth After Larval Pruning** - In situations where roots are fully pruned by larval feeding, Provid-R PM-treated roots demonstrate aggressive re-growth at the site of damage.
- **Season-Long Biocontrol Protection**
 - Novel mode of action for insect biocontrol
 - Excellent complement to other management tools
 - Bio-protection co-packed with Provid-R PM provides increased plant health and yield response under varying insect pressure.
- **DUST™ Provides a High Level of Coverage On Seed** - carrier for live microbes is 10X better than a liquid seed treatment carrier.
- **Convenient Planter Box Application** - No extra trips to the field.
- **Induced Systemic Resistance** - Quicker and larger defense response in primed plants = less damage/stunting and higher eventual yields.
- **Improved Root Structure** - The power of Bio-Stealth with Provid-R PM carried in our DUST™ inclusion carrier, allows the biology to live on, and with, the seed to extend the release of nutrients and result in increases like this:

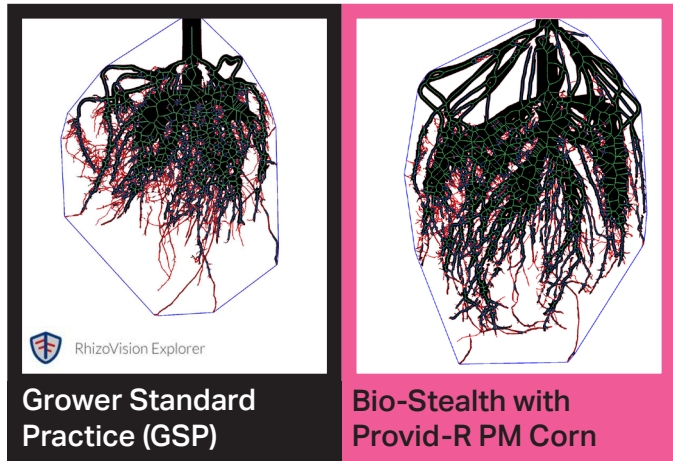
BIO-STEALTH TREATED CORN HAD LARGER ROOT SYSTEMS



- +9.8% in density
- +15.7% in surface area*
- +10.4% in root length
- +8.5% in # of root tips
- +4.3% in steep rooting angle
- -4.2% in shallow rooting angle*
- +8.9% in fine roots (0-2mm diameter)

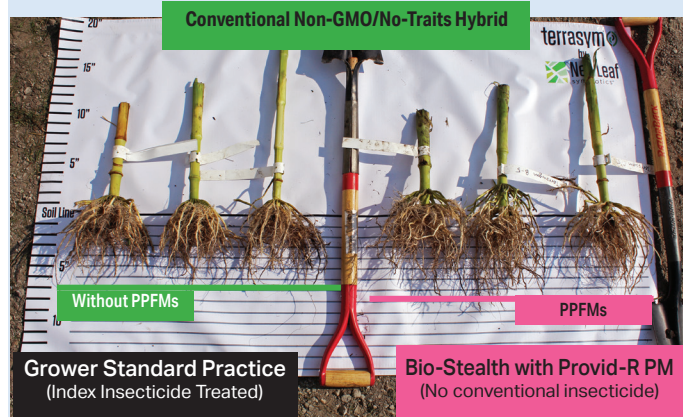
*p < 0.05 statistically significant effect

EPA Reg. No. 95699-2-104121

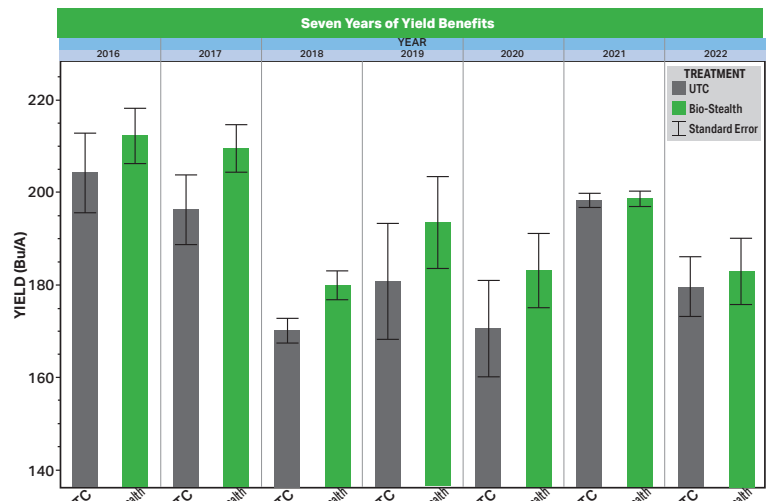
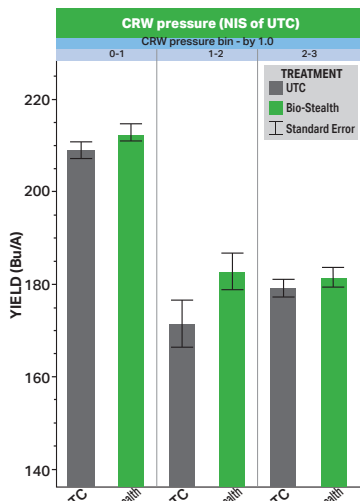
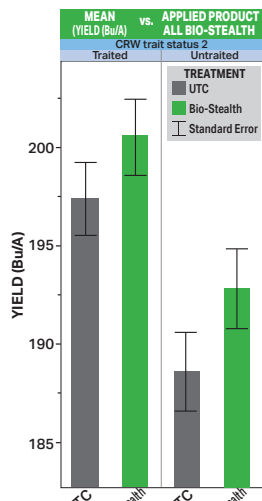


BIO-STEALTH TECHNOLOGY ENHANCES THE ROOT STRUCTURE, EVEN WHEN UNDER ROOTWORM PRESSURE:

- Longer root, further soil depth and anchorage
- Broader circumference of root, greater standability



SEVEN YEARS OF YIELD DATA



* Read and follow all labeled instructions

"Agriculture is our wisest pursuit, because it will in the end contribute most to real wealth, good morals & happiness." – Thomas Jefferson

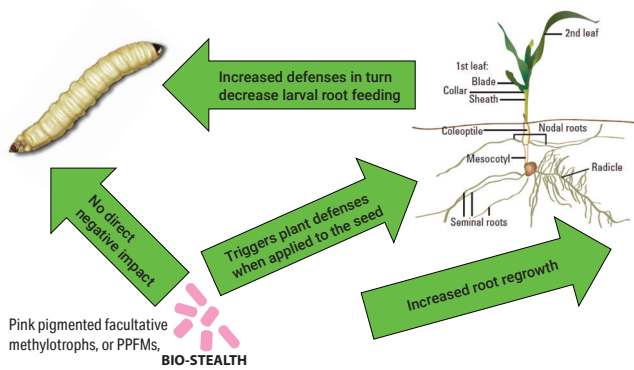
Bio-Stealth with Provid-R

NEW to the NewFields Ag BioStax™ lineup!

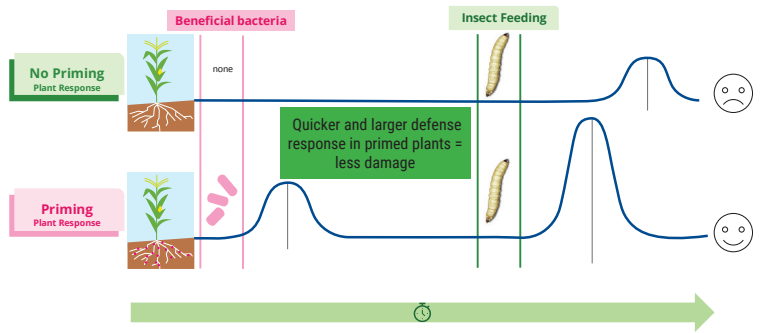
How this NEW Bio-Protection package works in Corn

MODE OF ACTION for Bio-Stealth Bio-Pesticide.

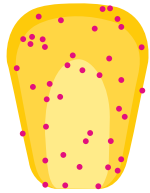
Ongoing Work



ISR – INDUCED SYSTEMIC RESISTANCE

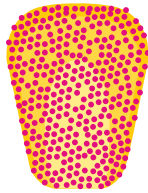


DUST PROVIDES A HIGH LEVEL OF COVERAGE ON SEED



Traditional Product Application

Recovered Live Cells per Seed: 1,000



Planter Box Application

Recovered Live Cells per Seed: 10,000

Protection starts at the seed



Convenient Planter Box Application – No extra trip to the field



SEASON-LONG BIOCONTROL PROTECTION

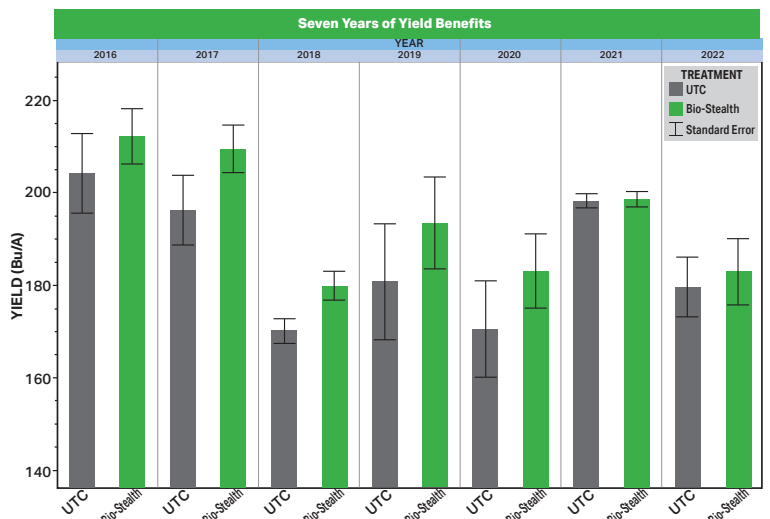
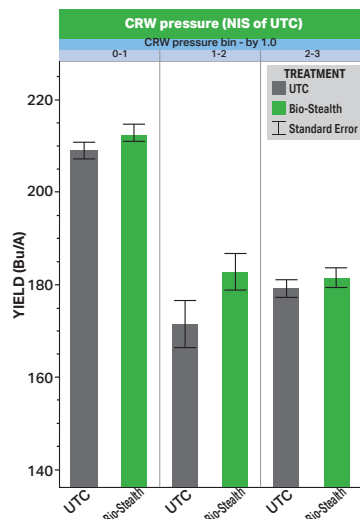
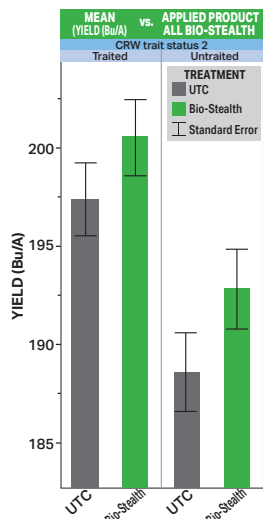
Planting → Emergence → Mid-Season → Late Season → Harvest

- Novel mode of action for insect biocontrol
- Excellent complement to other management tools
- Bio-protection co-packed with Provid-R provides increased plant health and yield response under varying insect pressure



Source: 2021 Ag Ingenuity Partners trials

SEVEN YEARS OF YIELD DATA



TO ORDER

Call 1-877-632-2467 (1-877-NFA-BIOS) or Visit newfieldsag.com

Bio-Stealth w/ Provid-R Yield Results 2023



- 11/8/23
- Corn Harvest
- SW MN
- Control Yield: 130



Results
+4



- 11/8/23
- Corn Harvest
- SW MN
- Control Yield: 127



Results
+7



- Corn Harvest
- Cannon Falls, MN
- Control Yield: 219.5



Results
+12



- Corn Harvest
- Cannon Falls, MN
- Control Yield: 210



Results
+30.5

PTI Results 2023

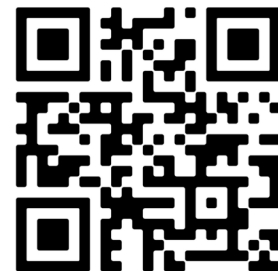
**PROVID-R CORN +
BIO-STEALTH**



Results
**+\$3.45
BU/ACRE**

Compared to
Control with
Graphite and Talc

**SCAN HERE
FOR CURRENT
YIELD DATA**



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Call 1-877-632-2467 (1-877-NFA-BIOS) or Visit newfieldsag.com

Part of our
BioStax™
product line-up



POWERED by
DUST



Nutriquire

terrasym



Nutriquire+DUST+Terrasym 450

(Strong Synergies from 3 Biologicals)

- **Healthier Plants** – microbes within this product release enzymes that attach to micronutrients that get better delivered to the plant.
- **Provides Stress Mitigation** – utilizes nutrients and water more efficiently allowing the plant to continue to operate despite difficult conditions.
- **Improved Ear Fill** – microbes help improve nutrient uptake throughout the entire season leading to better ear fill and higher yields.
- **Protects the Seed** – provides protection around the seed through competitive exclusion.
- **Superior microbe carrier and seed flowability** – DUST provides a cleaner, safer lubrication for you and the seed while improving singulation compared to talc/graphite.



Part of our
BioStax™
product line-up

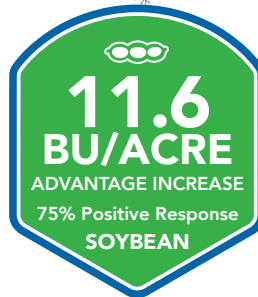


POWERED by
DUST



Nutriquire

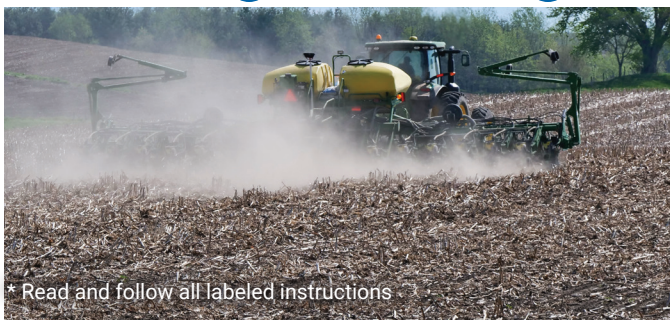
terrasym



Nutriquire+DUST+Terrasym 401

One great product, made from three, ready to be applied in the planter box or pro-box.

- **Provides a Quick Start** – improves germination and early plant vigor by increasing root mass growth and building the aerobic zone in the soil.
- **Peace of Mind** – DUST provides a perfect environment for microbes with a yield-enhancing amino acid food source for hosting biologicals. 180-day on-seed viability.
- **Stimulates Nutrient Availability** – introduces microbes resulting in increased nutrient cycling. Greater manganese availability.
- **Strong IDC Tolerance** - Minimizes the impact of iron deficiency in the plant by allowing for greater iron uptake. Bacteria produce siderophores which bind iron and concentrate it in the root zone as a plant available form. Data shows an average of 19.4% increase in the leaf tissue compared to the control.
- **Better Potassium Availability** - Mineralizes potassium more efficiently allowing for enhanced pod fill.
- **Bigger and Better Roots** – as a broad, season long colonizer, microbes spread from the seed surface across a plant's roots. Shows enhanced development of soybean root area by +2.9%, rooting depth by +5.6%, and root tips by +2.4%.
- **Season-long workhorse** – as long as the plant is alive, the microbes move from the seed surface across the root and leaf surfaces.
- **Increases yield** – a 2-year soybean trial showed an average of +7 bu./acre on soybeans.
- **Ease of Use** - Can be applied directly to seed in the planter-box or pro-box simply by sprinkling over the top of the seed. Provides cleaner, safer lubrication and improved singulation compared to talc/graphite.



* Read and follow all labeled instructions

“Farming isn’t something that can be taught. Each plant tells its own story that has to be read repeatedly.” – Kelsey Timmerman



N Bolst-R™ (Nitrogen Fixer in the Planter Box)

N Bolst-R™ (Season-long N-Fixer/P&K Solubilizer)

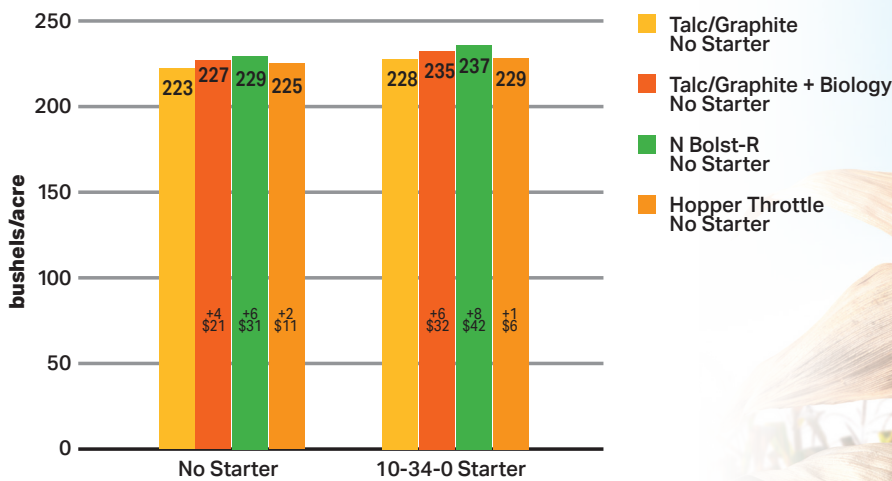
Bolst-R is an exciting new entry to our dry, planter-box lineup of exceptional products for your farm. N Bolst-R is a blend of 4 forms of N-fixing Bacillus, 1 form of a Potassium solubilizing Bacillus, and 1 form of a Phosphorus solubilizing bacteria.

- **Increased Nitrogen Availability** – Soil microbes feed your crops season long by improving nitrogen availability.
- **Improved Root Structure** – Field studies show bigger root surface area, root diameter, number of root tips/volume, and total root length.
- **Improved Phosphorus and Potassium Efficiency** – Promotes the availability of P and K in the soil helping to improve crop performance and yield.
- **Higher Return on Your Investment** – The low use rate and lower per acre investment with the many agronomic benefits can put more money in your pocket.
- **Convenient and Easy Application** – Apply over the seed in the planter-box or through the pro-box. It will adhere to the seed and be ready to work as soon as it gets in-furrow!
- **Clean and easy to use dry powder.**

Available as a Planter-Box (PB) or ProBox application at ½ oz. per of unit seed.



Yield Per Acre



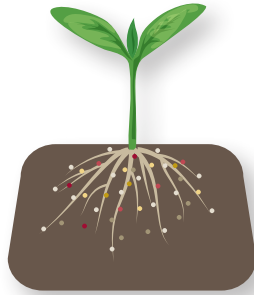
Means followed by the same letter are not different. LSD, p= .10



"We have neglected the truth that a good farmer is a craftsman of the highest order, a kind of artist." – Wendell Berry



Scan for more information.



DUST™ + B4 (Phosphorus Solubilizer + DUST)

Combines all the great benefits of our DUST inclusion carrier technology with a blend of highly beneficial Bacillus microorganisms for use in agriculture for all crops. B4 solubilizes phosphorus, zinc, and iron that are in the soil and make it available to the crop. B4 rapidly creates a biofilm on the root of the plant. This biofilm is what contacts the soil and solubilizes P, Zn, and Fe. Because B4 is growing all year, season long, it is increasing the availability and uptake of P, Zn, and Fe throughout the growing season.

DUST+B4 is recommended for dry planter box applications looking to increase nutrient uptake while initially providing seed lubricity.

- **Crop efficiency** - allows plants to more effectively use nutrients all-season long by growing microbes on the roots of your crop, increasing nutrient uptake.
- **Higher yields** - improved plant stand and spacing giving room for healthier plants.
- **Money in your pocket** - results from 11 states over 3 years show an average of a +7 bu/A increase in soybeans and a +9.4 bu/A increase in corn.
- **Ease of use** - easily sprinkle over seed in planter box or pro-box.
- **Peace of mind** - Compatible with seed applied fungicides, insecticides, and inoculants.

Available as a Planter Box (PB) application.



* Read and follow all labeled instructions

Farmers who wait for perfect weather never plant. If they watch every cloud, they never harvest. – Ecclesiastes11:4

B4 Yield Results 2023



- Location: Madison Co, Indiana
- Type of Crop and Variety Number: corn
- Input Products Used (Not Sourced from NewFields Ag): Combine calibrated. Weigh wagon calibrated by seed company.
- Harvest Date: 11/15/23
- Untreated Check Yield: 260
- NFA Product Check #1: Dust+B4
- Yield for Product Check #1: 267.3
- NFA Product Check #2: B4 ST
- Yield for Product Check #2: 271.5



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YIELD DATA



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Part of Our



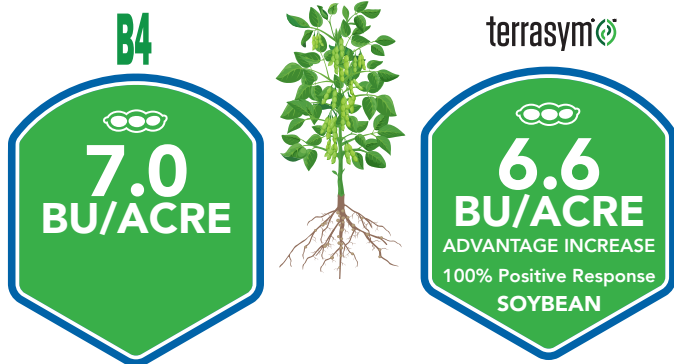
Scan for more information.



Vict-R RYZ Soybeans

Vict-R RYZ is the performance product you've been asking for! Built with high-quality, high-performance components such as MicroAlgae, B4, Vict-R PM, DUST™ and the micronutrients Iron, Manganese, Molybdenum, Copper Sulfur and Zinc, Vict-R RYZ is our latest addition to our top performing category of BioStax products.

- **Improved Soil Microbiology:** MicroAlgae feeds beneficial soil microbes, increasing their activity and population. These microbes help in nutrient cycling, breaking down organic matter, and making nutrients more available in the soil.
- **Increased Water Retention:** The organic components improve the soil's water-holding capacity, reducing the need for frequent irrigation and helping plants cope with drought conditions.
- **Boosted Plant Growth and Yield:** The improved soil conditions contribute to faster plant growth, stronger plants, and often increased yields, particularly in nutrient-depleted soils.
- **Reduction in Conventional Fertilizer Needs:** MicroAlgae enhances nutrient availability in the soil, potentially reducing the need for synthetic fertilizers, which is especially beneficial in organic or sustainable farming practices.
- **Increased Nutrient Availability:** B4 contains bioactive compounds that enhance microbial activity in the soil, leading to improved nutrient cycling. This helps convert soil nutrients into forms more readily available for plant uptake, thus enhancing plant nutrition.
- **Improved Root Growth:** By fostering an improved soil environment, B4 supports better root growth. Stronger root systems improve nutrient and water absorption, which can lead to more robust plant growth.
- **Improved Plant Resilience:** Plants treated with Vict-R RYZ are often more resistant to environmental stresses, such as drought, and nutrient-deficient soils. This results in more consistent crop performance across different growing conditions.
- **Improved Planting Efficiency:** DUST reduces friction between seeds and planting equipment, leading to smoother planting operations. The lubrication provided by DUST helps reduce wear and tear on both seeds and planting machinery. This minimizes downtime due to mechanical issues and increases planting speed and precision.
- **Enhanced Seed Flow:** By acting as a lubricant, DUST ensures that seeds flow more consistently through the planter. This results in better seed placement and uniformity in planting depth, which is critical for achieving consistent crop emergence.
- **Compatibility with Modern Equipment:** Vict-R RYZ is designed to work well with modern high-speed planting equipment, ensuring that seed lubrication needs are met even in advanced systems.



* Read and follow all labeled instructions

Also available **Vict-R PM.**



"Earth is here so kind, that just tickle her with a hoe and she laughs with a harvest." – Douglas Jerrold



POWERED by™
DUST

MycoGold® + DUST™ (for Corn)

Developed By Farmers, For Farmers

As a farmer, you understand the importance of healthy soil in achieving optimal crop production. That's why **MycoGold+ DUST** is a game-changer. It provides you with a complete package of beneficial microorganisms, including mycorrhizal fungi, a biostimulant package, and nitrogen-generating bacteria, that work together to restore the balance of your soil and maximize your crop yield.

Symbiotic Relationship: Crops and Mycorrhizal Fungi

Beneath the surface of your soil, a natural habitat supports your crops' growth. One of the key players in this ecosystem is mycorrhizal fungi, which form a symbiotic relationship with your crops. These fungi help your crops get the water and nutrients they need to grow by creating hyphae, which are thin strands that grow from within the root cells of your crops and spread out into the soil. This enhances the root system and allows for greater efficiency in the uptake of nutrients and water.

Unfortunately, modern agricultural practices have disrupted this delicate balance and decimated the mycorrhizal fungi in our soils. This has resulted in decreased crop yield and lower-quality crops. However, there is a solution to this problem – **MycoGold+ DUST**.

MycoGold+ DUST is a powerful biological inoculant that contains mycorrhizal fungi and other beneficial microorganisms. This complete package biological inoculant arsenal is designed to help farmers like you achieve maximum crop yield and quality.



POWERED by™
DUST

MycoGold® + DUST™ (for Soybeans)

- **Showing 8-20% Possible Yield Increases** - it restores the delicate balance of your soil by reintroducing beneficial microorganisms that have been lost due to modern agricultural practices. By improving nutrient uptake and soil biology, MycoGold seed inoculant supports plant growth leading to yield increases.
- **Improved Drought Resistance** - MycoGold® contains a range of other beneficial biostimulants that helps against drought stress, reduce disease, and increase nutrient uptake.
- **10-25% Reduction in Fertilizer** - MycoGold® contains nitrogen-generating bacteria that provide up to 40 lbs of nitrogen per acre, making it an ideal solution for nitrogen-deficient soils. Its key bacteria and fungi work as bio-fertilizers that fix Nitrogen, unlock P, and create better root development and soil biology which allows better uptake of nutrients.
- **Improved Pest Resistance** - Through root colonization, researchers have determined better plant defense against disease. The Beauveria Bassiana fungi grows endophytically through the plant defending against various insect pests.
- **Perfect Inclusion Carrier and Seed Lubricant** - What's been labeled as "the perfect carrier" for biology, DUST™ has proven over millions of acres to be a healthy environment for hosting active biologicals because of its amino acid composition. A plus is its shape and superior lubricating ability for better seed singulation, improved stand, and reduced wear on planter parts. DUST™ is environmentally superior and safer to use than talc and graphite.



* Read and follow all labeled instructions

"The farmer has to be an optimist or he wouldn't still be a farmer." – Will Rogers

Provid-R™ PM Corn

For Use On: Corn

PROVID-R PM™ Corn is designed to improve seed lubrication and seed flow during planting and deliver improved nutrient uptake leading to robust early season root development, enhanced tolerance of abiotic stress throughout the growing season, and higher yields at harvest.

- **PROVID-R PM™ Corn** contains a unique strain of beneficial microbes called pink pigmented facultative methylotrophs (PPFMs), specially selected for use in corn.
- Flow properties equal to or better than existing offerings.
- Reduces overall dustiness and residue transfer to skin and clothing.
- Insecticide-free and carcinogen-free, reducing health risks of the farmer and environment.
- Proven to reduce static and to be up to 20 times less abrasive to seed than Talc.*
- Shows improved development of corn root area by 6.7% and increased nodal root length by 9.6%, which in turn enhances nutrient acquisition.**
- Enhances nutrient uptake, showing improved leaf tissue nutrient concentration with a +17.5% increase in iron and +12.6% increase in manganese over an untreated control.***
- PPFM microbes consume methanol (a waste byproduct in plants), which can lower the energy cost for the plant to host them as symbionts.
- Features broad compatibility with 120 days on-seed stability when applied as a planter box application.
- DUST™ product is supported by the United Soybean Board and made from 100% U.S. soybeans with the support of farmers' Soy Check-Off Dollars.

APPLICATION RATES

- **PLANTER BOX:** 0.5 oz. of PROVID-R PM™ Corn™ per unit of corn (@80K)
- **PACKAGING:** Quantity of 4 individual 50-unit corn packets per case*
*Each case treats 200 units or 470 acres @ 34K population

ACTIVE INGREDIENTS

Microbial content 2%
Methylobacterium gregans 1 x 10⁹ cfu/g
Inert ingredients 98%



SOURCE INFORMATION: *SGS Labs Study **Combination data set from 2020 IN10T Farmer Trials® & 2021 Ag Ingenuity Partner Trials; All untreated checks and PPFM treatments have base fungicide and insecticide application. ***2020 IN10T Farmer Trials data



Scan for more information.



POWERED by
DUST™



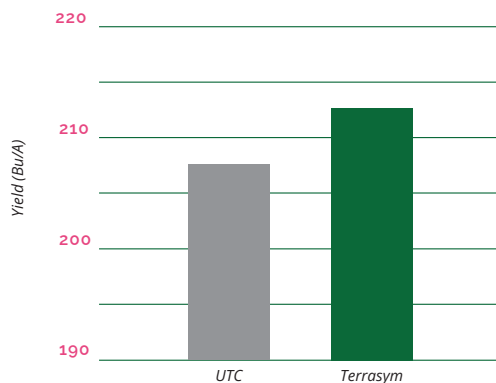
IN-FIELD PERFORMANCE



***4.5 BU/A**
average yield advantage*

80%
win rate*

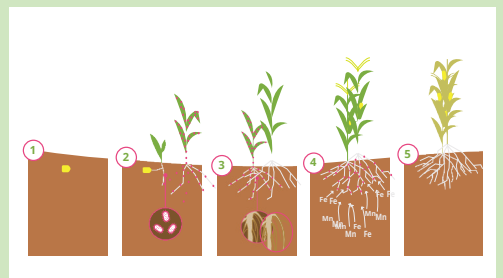
20
total large-scale trials, across 20 unique locations*



Source: 2020 IN10T FarmerTrials®; All untreated checks and PPFM treatments have base fungicide and insecticide application

HOW DOES PROVID-R® PM Corn WORK?

1. DUST™ provides seed lubrication and seed flow aid at planting ensuring seed passes through the planter and is placed into the ground as the farmer intends.
2. As broad, season-long plant colonizers, PPFMs spread from the seed surface across a plant's roots and leaves.
3. PPFMs improve nutrient uptake by populating plant roots, which promotes higher numbers of root tips and overall root mass in turn enhancing nutrient acquisition.
4. They also secrete beneficial molecules into the root zone that can bind and transport yield-enabling micronutrients.
5. PPFM colonization throughout the growing season and increased nutrient uptake result in increased chlorophyll content and enhanced photosynthetic efficiency, both of which contribute to increases in yield.



Agriculture is the most healthful, most useful and most noble employment of man. – George Washington

Provid-R Corn Yield Results 2023



- 10/20/23
- Corn Harvest
- Gilmore City, IA
- Control Yield: 209



Results
+10



- Corn Harvest
- Cushing, WI
- Control Yield: 141.3



Results
+34.5



- 10/20/23
- Corn Harvest
- Osakas, MN
- Control Yield: 254.8



Results
+20.4



- 10/11/23
- Corn Harvest
- Baldwin, WI
- Control Yield: 176.2



Results
+29.5

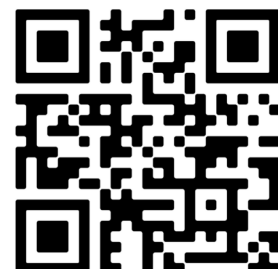
PTI Results 2023

PROVID-R CORN



Results
+2.1
BU/ACRE

SCAN HERE
FOR CURRENT
YIELD DATA



TO ORDER

Call 1-877-632-2467 (1-877-NFA-BIOS) or Visit newfieldsag.com



Scan for more information.



POWERED by **DUST**

CLEANER. SAFER. SOY.

Seed Safe
Bio-Inclusion™

MICROPLASTIC
-FREE-



Vict-R PM Soybeans

Vict-R PM is designed to deliver improved nutrient uptake leading to robust early-season root development, enhanced tolerance of abiotic stress (drought or extreme temperatures) throughout the growing season, and higher yields at harvest. Contains an improved seed lubrication and seed flow product called **DUST**.

Vict-R PM Soybeans contains a unique strain of beneficial microbes specially selected for soybeans. As a broad, season-long colonizer, **Vict-R PM PPFMs** spread from the seed surface across a plant's roots and leaves. PPFMs improve nutrient uptake by populating plant roots, promoting higher numbers of root tips and overall mass.

- **Increased yield** - PPFM colonization throughout the growing season and increased nutrient uptake result in increased chlorophyll content and enhanced photosynthetic efficiency, both of which contribute to increases in yield.
- **Better seed spacing - DUST™ Inclusion Carrier Technology™** creates better flow properties than talc or graphite improving meter singulation and plant spacing
- **Healthier to use** - insecticide-free and carcinogen-free, reducing health risks of the farmer and environment. Promotes healthier environment for important pollinators.
- **Better roots** - shows enhanced development of soybean root area by +2.9%, rooting depth by +5.6% and root tips by +2.4%.
- **Your Checkoff dollars at work** - DUST product is supported by the United Soybean Board and made from 100% U.S. soybeans with the support of farmers' Soy Checkoff Dollars.
- **Timing flexibility** - 120-days on-the-seed stability when applied as a pro-box application.

Available as a Planter Box (PB) or Pro-Box application dry product.

DIRECTIONS FOR USE: One 20 oz. bag treats: 40 units of seed.

Please use the provided scoop. The scoop is 1 oz of product when full. Use 1 scoop per 2 units of seed or One-half scoop per 1 unit of seed.

The recommended application rate is 0.5 oz. (14 g) per 140,000 seeds per unit). The recommended application rate is 0.5 oz. (14 g) per 140,000 seeds (sunflower seed size 2, 3, 4, or confection). Apply by dispersing the powder evenly onto seeds using appropriate equipment.



terrasym

6.6
BU/ACRE
ADVANTAGE INCREASE
100% Positive Response
SOYBEAN



* Read and follow all labeled instructions



"There are two spiritual dangers in not owning a farm. One is the danger of supposing that breakfast comes from the grocery, and the other that heat comes from the furnace." – Aldo Leopold

Vict-R Yield Results 2023



- 10/2/23
- Soybean Harvest
- Rensselaer, IN
- Control Yield: 60.9



Results
+6



- 10/2/23
- Soybean Harvest
- Rensselaer, IN
- Control Yield: 62



Results
+1.7



- 10/7/23
- Soybean Harvest
- Palmer, IA
- Control Yield: 73



Results
+8



- 9/30/23
- Soybean Harvest
- Luverne, MN
- Control Yield: 66.8



Results
+15.7



- 10/11/23
- Soybean Harvest
- Osakas, MN
- Control Yield: 64.1



Results
+3.8

SCAN HERE
FOR CURRENT
YIELD DATA



TO ORDER

Call 1-877-632-2467 (1-877-NFA-BIOS) or Visit newfieldsag.com

Pre-Plant

- Nutriquire
- Yield Igniter
- Soy_{fx} SC
- B4 ST
- Growthful
- PheNom ST
- Soy 30
- Drifecta

Planting

- Dust
- Dust+B4
- Calib-R SG
- Calib-R Cotton
- Calib-R Peanuts
- Vict-R PM
- Vict-R RYZS
- Frenzy
- Envita
- Soy_{fx}
- N-Physis
- Growthful
- N Bolst-R
- Nutriquire+DUST+Terrasym 401
- Nutriquire+DUST+Terrasym 450
- Provid-R Corn
- Bio-Stealth with Provid-R PM Corn
- Mycogold + DUST for Corn
- Mycogold + DUST for Soybeans
- Rizosphere
- Carry-R
- Phenom
- Nutriquire

Post Harvest

- NutriPhi
- Yield Igniter
- Nutriquire

Post Emergence

- Frenzy
- Rizosphere
- Envita
- PheNom
- Carry-R
- Forti-5 PAAC
- Soy_{fx}
- Nutriquire
- Growthful
- Yield Igniter
- Carry-R MA
- N-Physis

<p style="text-align: center;">Increased Performance Through Biological Synergy</p>	Product(s)	Grower		
	(Example of Products)	Required	Incentive	
Buy 1 + product mix from the Performance Driven Input Wheel	(Use any combination that is best for your operation)	Acres	Discount	
Buy 1 product from the Performance Driven Input Wheel	product(s)	1-999		
Buy 2 products from 2 Sections of the Performance Driven Input Wheel	product(s)	Combination of 1000		
Buy 2 products from 2 Sections of the Performance Driven Input Wheel	product 1 product 2	Combination of 1000		
Buy 3 products from 3 Sections of the Performance Driven Input Wheel	product 1 product 2 product 3	Combination of 1000		
Buy 4 products from each Section of the Performance Driven Input Wheel	product 1 product 2 product 3 product 4	Combination of 1000		



Growers See the Difference!



Dri-Fecta

Dri-Fecta is a dry seed finisher that improves flowability and appearance. Dri-Fecta is a patented microplastic free, dry blend of powder ingredients intended for use as a dry seed finisher for use on seeds that need delivery of dry powders and to apply after liquid application of seed treatments. Dri-Fecta provides superior seed flow through equipment setups and planters.

- **Application** can be on seed with the aid of commercial applicators specifically designed for accurate application of dry bulk simultaneously with liquid seed applied technologies. We do not recommend using Dri-Fecta in liquid slurries.
- **Dri-Fecta** can be used with other polymers to promote adherence on seed, flowability of seed, and reduce dust-off.
- **Superior Seed Flow and Appearance**
- **Shiny appearance:** treated seed shimmers and shines!
- **Reduce bridging** in treating equipment and boxes.
- **Improve Plantability:** Faster easier planting, with less skips, less doubles in the meter and improved seed flow in the planter!
- **Supports application of higher amounts of liquid treatments**
- **Improves drying even in cold temperatures.**
- **Helps reduce dust off** to improve worker safety when handling product.
- **Proprietary blend of dry powders:** of silicate mineral base and soy protein

PRECAUTIONARY STATEMENTS:

PERSONAL PROTECTION EQUIPMENT (PPE): Wear protective gloves, protective clothing, eye protection and face protection. In case of inadequate ventilation wear respiratory protection.

Do not use treated seed for food, feed or oil purposes.

**Experience...
the Dri-Fecta Difference!
On your seed,
and through your planter!**



* Read and follow all labeled instructions

"A good farmer is nothing more nor less than a handy man with a sense of humor." – E.B. White



Scan for more information.



DUST™ (The "Perfect" Bio-Complex Inclusion Carrier Technology™/Seed Lubricant)

DUST is a safer/cleaner biological carrier option for your farm, and the cost is similar to talc/graphite while providing many more benefits. We often hear, "But DUST costs more than talc/graphite." See below how that's not true.

"Perfect" Inclusion Carrier Technology™ for microbes and other biology

- amino acids provide an early food source to microbes on the seed.
- research shows a 10X better coverage of live microbes using DUST than using a traditional liquid seed treatment - giving you a better Return on Investment
- covers seeds with microbes from the first round to the last round.

LOW USE RATE ADVANTAGE

DUST	Talc/Graphite
Use rate ½ oz./unit of corn = .12 cents/acre	Use rate 2 oz./unit of corn = .12 cents/acre
Use rate ½ oz./unit of soybeans = .29 cents/acre	Use rate 2 oz./unit of soybeans = .30 cents/acre

Improves seed singulation and plant stand -

- superior seed lubricant makes seeds flow better through your planter.
- research shows improved plant stand and spacing; spherical shape is friendlier to seed coatings than talc or graphite.

Saves you money and valuable time -

- reduces wear on planter meter mechanical parts helping them last longer and work better.

Improved emergence makes you more money -

- provides an amino acid food source in-furrow for stronger plant vigor out of the ground.

Peace-of-Mind that it Works -

- successfully used, and used again, on more than 12 million acres and more than 20 different crops in 35 different states and internationally.

Increases Demand for American-grown Soybeans -

- developed with help from the USB Soybean Check-off Program.

DUST™ is a microbe carrier which is microplastic free, innovative and patented.

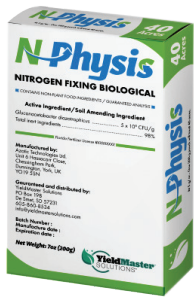


MORE from EVERY ACRE

“ There are always parts of the field that have high N supply power and parts of the field where N is more subject to loss,” Connor Sible says. “If you put something that can fix N, it brings those low spots up to field average. With today’s results we are seeing that maintaining a standard fertility rate and adding a biological can keep the whole field average up.”

TO ORDER

Call 1-877-632-2467 (1-877-NFA-BIOS) or Visit newfieldsag.com



Scan for more information.



N-Physis™ is Envita in a wettable powder.

N-Physis is an N-fixing bacteria, in wettable powder form, that works systemically within the plant. Applied in-furrow OR foliar and across crops to supplement nitrogen where and when it's needed.

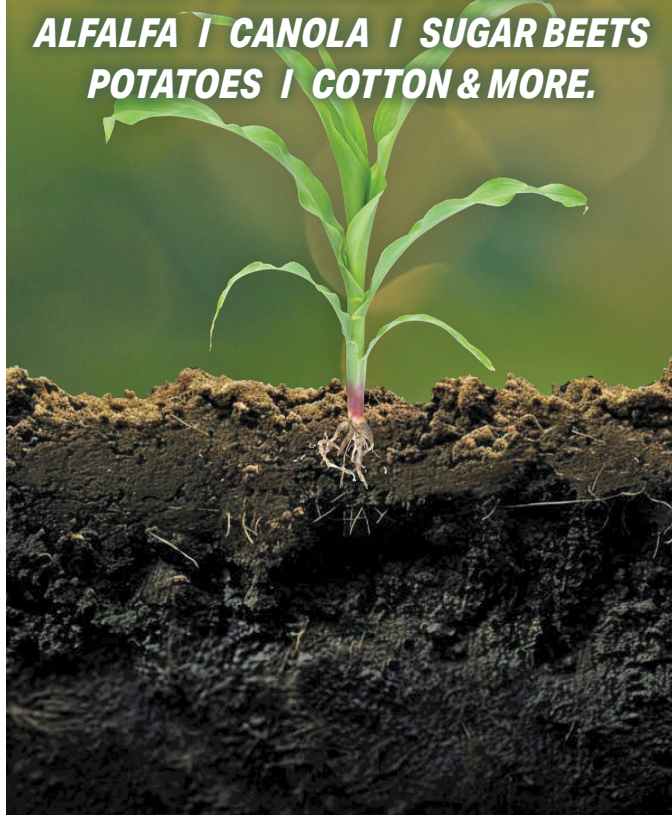
N-Physis Systemic Nitrogen Fixation is a patented technology that enables it to deliver reliable and consistent fixes of nitrogen into the treated crop. **N-Physis'** systemic activities result in improved soil fertility, increased plant growth, and greater yields

- **Works Season-Long** – starts to fix nitrogen very quickly and lasts season-long. Important for early crop establishment and to provide an additional source of nitrogen during critical growth periods and peak demand.
- **Longer Shelf Life** than the liquid form of Envita.
- **Easy to use** - compatible with most herbicides, insecticides, and fungicides. Perform a jar test to confirm compatibility.
- **More income to you** – 82%-win rate with a +6.3 bu./A advantage on Corn in a 3-year study with over 100 data points and a 72%-win rate with a +2.2 bu./acre advantage on Soybeans.
- **Flexible use** – can be used on row crops, corn, soybeans, alfalfa, hay, and specialty crops.

Available to use as a Liquid In-Furrow (LiF) and Foliar (F) application.

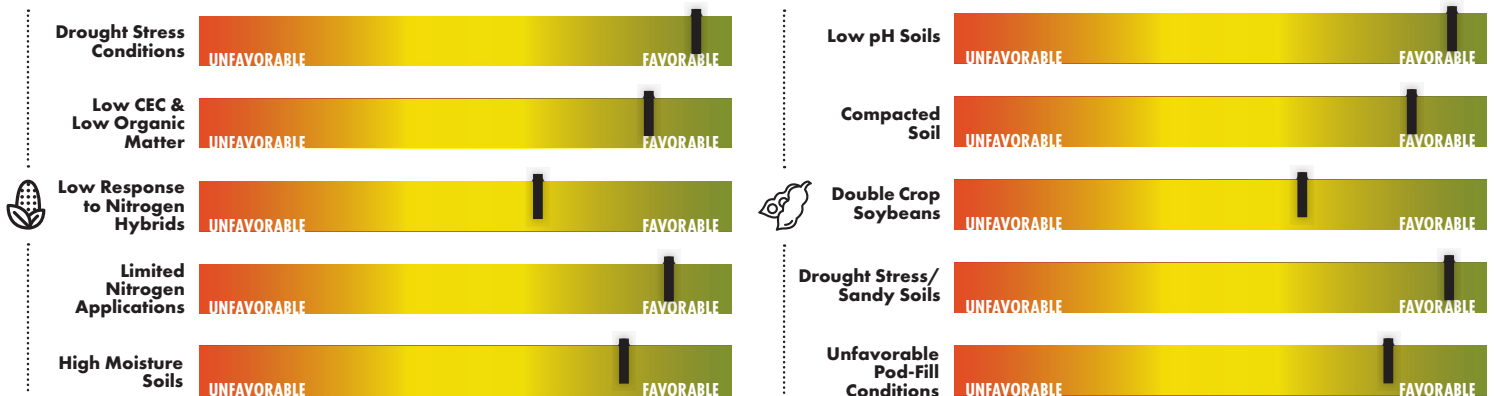
Look at Liquid Envita for a great N-fixing option in a form for In-furrow and Foliar applications

**CORN | SOYBEANS | WHEAT
ALFALFA | CANOLA | SUGAR BEETS
POTATOES | COTTON & MORE.**



* Read and follow all labeled instructions

ACRE MATCHMAKER



“Farmers are the unsung heroes who put food on our tables and keep our communities thriving.” – Unknown



Scan for more information.

3-3-3



Calib-R™ SG (For small grain crops)

Acting through its special combination of micronutrients and soy protein ingredients, Calib-R SG is a ready-to-use dry planter box lubricant seed treatment applied on the seed to optimize soil conditions for seed germination and root growth.

- **Improves Yields** - a larger root system brings more nutrients and water to the performance of the plant
- **Greater Harvest Opportunity:** Calib-R SG components enhance seed emergence conditions in soil for improved seedling start and gives opportunity for season long plant establishment improvements which lead to higher yield and improved grain quality.
- **Stress Resistance** - Calib-R shows an improved resistance to environmental stress such as drought
- **Use as an addition to your conventional fertilizer program** to add yield and ROI efficiently without using a liquid in-furrow system or other seed treatment options.

Includes benefits of DUST inclusion and seed lubrication.

Also available **Calib-R Cotton** and **Calib-R Peanuts.**



* Read and follow all labeled instructions

"The farmer is the only man in our economy who is asked to produce more and more with less and less." - Unknown

FARM THE FUTURE

Biological products promise to enhance soil nutrient supply, improve fertilizer efficiency, mitigate plant stress, and suppress pests. Biological products are the fastest-growing segment in agriculture. Interest is being driven by the potential to help farmers produce higher yields while also promoting environmental sustainability.

Characteristics →	Purpose	Active Ingredients	Nutrients	Watch-Outs & Considerations	Biological or BioStimulant
B4 or B4ST	To solubilize phosphorus from the soil. Shows natural antifungal properties.	Brevibacillus laterosporus, Bacillus licheniformis, Bacillus amyloliquefaciens Bacillus pumilus		2 years life on seed	Biological
Carry-R	Soy protein amino acid polymer used to coat leaf to deliver amino acids and other beneficial ingredients. Healthy carrier of biology and biostimulants. Wettable powder in water 45 degrees or warmer.	Soy protein amino acid complex		2 years life on seed	BioStimulant
Carry-R MA	Soy protein amino acid polymer used to coat leaf to deliver amino acids and other beneficial ingredients. Healthy carrier of biology and biostimulants. Wettable powder in water 45 degrees or warmer.	Soy protein amino acid complex, MicroAlgae			BioStimulant
DB29	Feeds soil & plant bacteria	Mineral feed for soil & plant bacteria			BioStimulant
Envita	Nitrogen fixation and increased phosphorus efficiency	Gluconacetobacter diazotrophicus		Watch high salt fertilizer and strong infurrow micronutrient mixes, mix and plant or spray within 4 to 8 hours. For wheat in spring do not apply with 28% unless with boom injection system	Biological
Forti-5 PAAC (Proprietary Amino Acid Chelate Micronutrients)	To provide bioavailable nutrients to your crops.	Micronutrients chelated in amino acid form, no-charge particles	3-0-0 Total Nitrogen 3.0%, Magnesium 0.9%, Sulfur 2.0%, Boron 0.5%, Copper 1.0%, Manganese 0.5%, Zinc 1.0%	Protect from freeze in For Foliar application (not in-furrow)	
Frenzy	A biotechnology that is a proven enzyme for helping plants withstand and recover from stress, while increasing nutrient efficiency.	9-Tricarboxalic Acid			BioStimulant
Growthful	Polyelectrolyte H ion liquid which provides energizing activity to nutrient mixes and the soil structure to release nutrients from the soil particle and keep nutrients and fertilizer more available in soil solution, provides hydrogen ion for moving materials into plant leaf & within plant.	Polyelectrolyte Hydronium Ion		See label for full details on rates for different crops and applications	
N-Physis	Nitrogen fixation and increased phosphorus efficiency	Gluconacetobacter diazotrophicus		Watch high salt fertilizer and strong infurrow micronutrient mixes, mix and plant or spray within 4 to 8 hours. For wheat in spring do not apply with 28% unless with boom injection system	Biological
NutriPhi	Stalk degradation/Soil Remediation Manure/Compost Management	Bacillus, Pseudomonas, Arthobacter, Actinomycetes			Both
Nutriquire	Intended to increase the active biomass in the soil. Introduces microbes into the soil resulting in improved nutrient cycling.	Bacillus subtilis, Pseudomonas putida, Humic Acids			Both
PheNom & PheNom ST	Nitrogen fixation and increased phosphorus efficiency	Pseudomonas siliginis (P) Curtobacterium salicaceae (N)		Watch high salt fertilizer and strong infurrow micronutrient mixes, mix and plant or spray within 4 to 8 hours	Biological
Rizosphere	Microbes, biostimulants, & food for soil microbes increasing the aeration of the soil, promotes a better environment for root development and overall plant health.	Multiple natural growth hormones, kelp and consortium of microbes including Essential organic compounds		See label for full details on rates for different crops and applications	Both
Soy30	High concentrate premium nitrogen fixing nodule production on soybeans (Brady Inoculant)	Bradyrhizobium japonicum bacteria		30 day life on seed	Biological
SoyFx and SoyFx SC	Improves soil structure creating a better plant root environment	Bacillus megaterium, Bacillus Pumilus, Soluble Potash		Watch high salt fertilizer and strong infurrow micronutrient mixes, mix and plant or spray within 4 to 8 hours	Both
Yield Igniter	Increases root mass in corn and nodulation in soybeans which greatly increases water, nitrogen and other nutrient uptake, leading to healthier and more durable plants.	Humic/Fulvic Acid 3% & NPK	N 9% - P 9% - K 3%		

Biologicals can be applied many times during the growing season, depending on the desired outcome. Application options include as seed treatments, in-furrow with starter fertilizer, foliar-applied at vegetative stages (with postemergence herbicide and reproductive stages (with fungicide or

insecticide), with dry fertilizer, or on crop residues. The flexibility of application is one of the greatest assets of these products. "Overall, most of these are relatively inexpensive," says Conner Sible, a postdoctoral research associate at the University of Illinois. The success of biologicals is large-

ly dependent on a sound agronomic base of seed choice, soil fertility, and crop protection, he adds. Once these factors are set, biologicals can be a next step in improving crop yields.

SA	ST	LiF	F	Shelf Life	Starters	UAN	PGRs	Herbi-cides	Glypho-sate	Pesti-cides	Insecti-cides	Fungi-cides	Labeled Crop
	0.5 oz/unit	16 oz/acre											Any
	0.5 oz/unit		2 oz/acre	3 or more years									Any
	0.5 oz/unit		2 oz/acre	3 or more years									
		16 oz/ acre with 3 gal	16 oz/acre with 10 gal	2 years	Yes			Yes	Yes	Yes	Yes	Yes	Any
		0.8 oz/acre	0.8 oz/acre	12 to 18 months	Yes	No	Yes	Avoid Group 4	Yes	Yes	Yes	Yes	Any
			16 oz/acre with 20 gal			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Any
		16 oz/ acre with 3 gal water or fertilizer mix	16 oz/acre with 10-20 gal	2 years	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Any
		16 oz/ acre with 3 gal	12.8 oz/acre with 10 gal	5 years	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Any
		1 packet for 40 acres	1 packet for 40 acres	2 Years	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Any
			1-2 quarts/acre with 15 gal over stalks			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Soil Broadcast applied
	32 oz/acre	32 oz/acre	32 oz/acre		Yes	Yes	Yes	Yes	Yes	Yes	No	No	Any
	1 oz/unit	16 oz/acre	16 oz/acre	10 months	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Any
		4 oz/acre	4 oz/acre	2 years	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Any
	0.5 oz/unit			9 months							No	No	Soybeans
	4oz/unit			See package expiration date									Soybeans
		32 oz/acre	32 oz/acre		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Any



10 LB



Scan for more information.



POWERED BY
COTE



Photo for Demonstration purposes only – Dry wettable powder in water suspension.



10 LB bag



Carry-R™ MA (with Microalgae)

Carry-R MA Foliar is designed as a soy protein-based dry wettable powder to deliver plant necessary inclusions effectively and efficiently for the farmer. Carry-R MA can be used as the inclusion carrier technology™ in existing tank-mix blends to enhance plant response.

- **Advancing Regenerative Ag** – ingredients in Carry-R MA are renewable and sustainable soy protein, contributing back to American farmers.
- **Improved Soil Conditions** – Excellent starter food for microorganisms and improves microbial growth.
- **Perfect Inclusion Carrier Technology™** – the patented soy protein base provides a food source to any microbes you may add to your foliar mix.
- **Extended Suspension Time** – will stay in suspension by itself for up to 36 hours in water.
- **Clean and easy to use dry wettable powder.**

Also available

Carry-R™ (without Microalgae)



* Read and follow all labeled instructions

“Farmers are the stewards of the land, entrusted with the responsibility of nourishing it for future generations.” – Unknown



10 LB



Scan for more information.



Photo for Demonstration purposes only –
Dry wettable powder in water suspension.



10 LB bag



Carry-R™ (In-Furrow or Foliar)

Carry-R Foliar is a strong addition to our Bio-Complex Technology™ lineup. Carry-R is designed as a soy protein wettable powder to deliver plant necessary inclusions effectively and efficiently for both the farmer and the plant.

Carry-R is designed for ease of inclusion in existing foliar blends to further enhance the plant response desired by the foliar products applied. We have tested Carry-R with many of the popular post-emerge products, but we always recommend doing compatibility testing with any materials desired to apply to your crops.

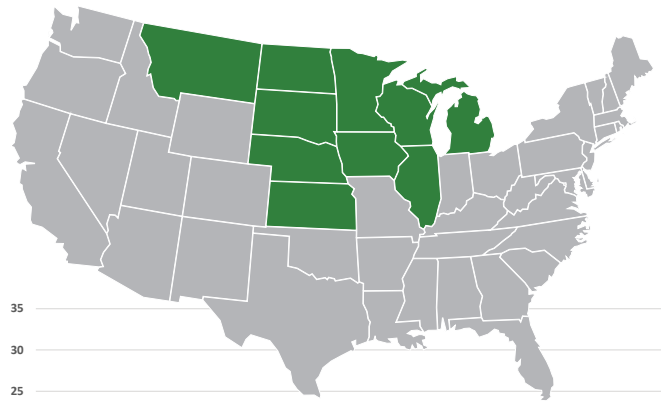
- **Advancing Regenerative Ag** – most ingredients in Carry-R are renewable and sustainable American soy protein, contributing back to American soybean farmers..
- **Improved Soil Conditions** – Excellent starter food for microorganisms and improves microbial growth.
- **Perfect Inclusion Carrier Technology™** – the patented soy protein base provides a food source to any microbes you may add to your foliar mix.
- **Extended Suspension Time** – will stay in suspension by itself for up to 36 hours in water.
- **Clean and easy to use dry wettable powder.**

160 oz package @ 2 oz/acre treats 80 acres



“Farmers are the backbone of our society. Without them, we wouldn’t have food on our tables.” – Unknown

133 Data Points, 10 States, 53 locations



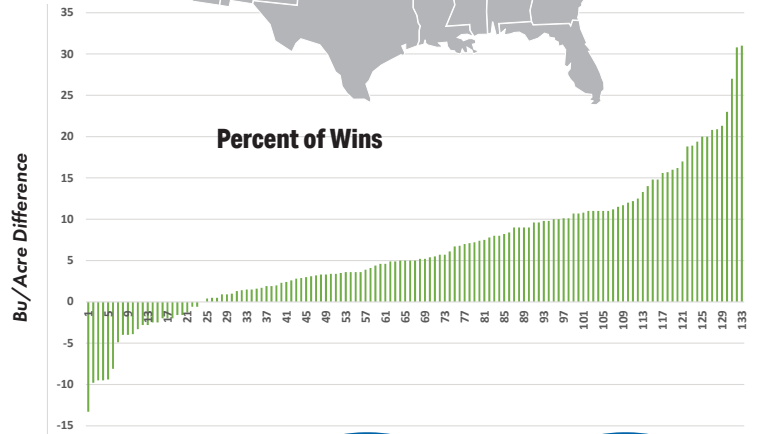
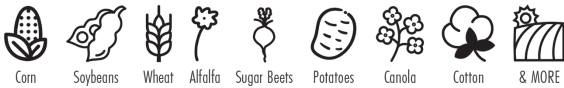
Envita (Systemic Nitrogen Fixation)

Envita is an N-fixing bacteria that works systemically within the plant. Applied in-furrow OR foliar and across crops to supplement nitrogen where and when it's needed.

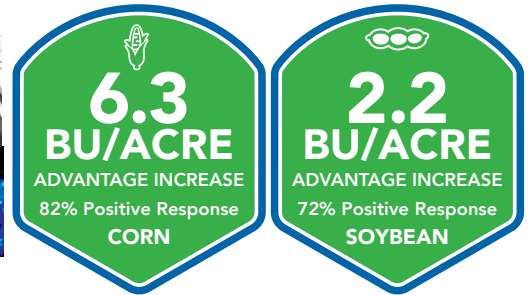
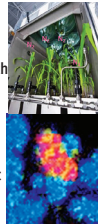
Envita Systemic Nitrogen Fixation is a patented technology that enables it to deliver reliable and consistent fixes of nitrogen into the treated crop. Envita's systemic activities result in improved soil fertility, increased plant growth, and greater yields.

- **Works Season-Long** – starts to fix nitrogen very quickly and lasts season-long. Important for early crop establishment and to provide an additional source of nitrogen during critical growth periods and peak demand.
- **Easy to use** - compatible with most herbicides, insecticides, and fungicides. Perform a jar test to confirm compatibility.
- **More income to you** - 82%-win rate with a +6.3 bu./A advantage on Corn in a 3-year study with over 100 data points and a 72%-win rate with a +2.2 bu./acre advantage on Soybeans.
- **Flexible use** - can be used on row crops, corn, soybeans, alfalfa, hay, and specialty crops.

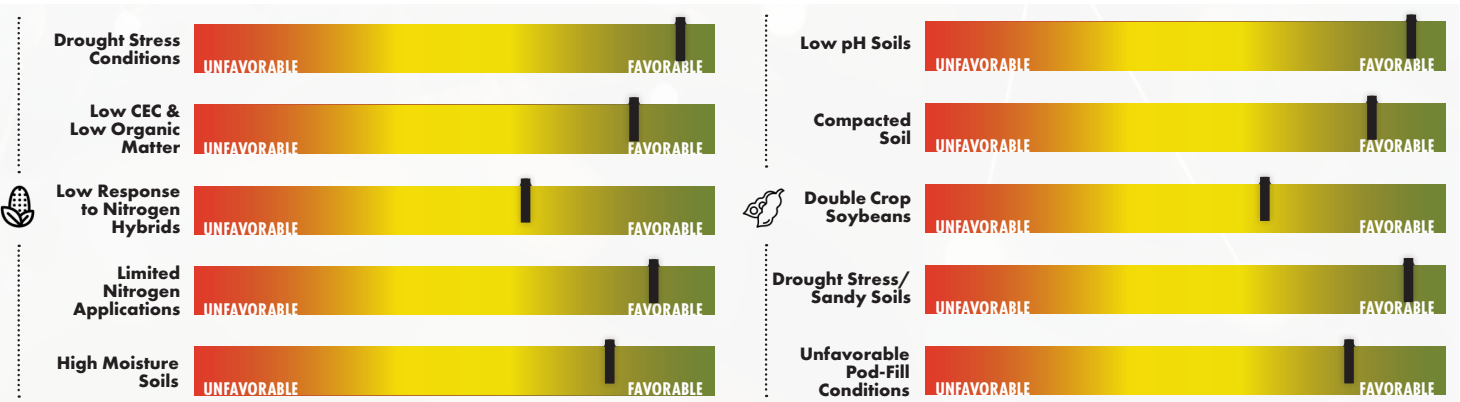
Available to use as a Liquid In-Furrow (LiF) and Foliar (F) application. (0.8 oz/acre)



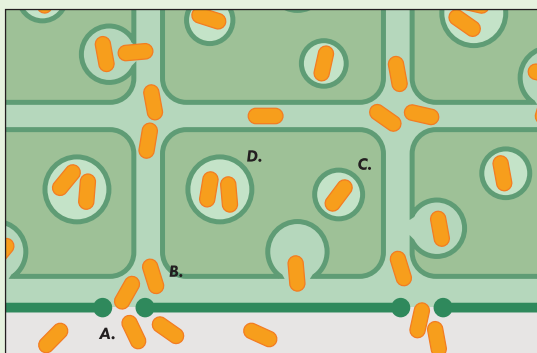
- 1) Atmospheric N₂ was labelled "marked" and added to a growth chamber with corn.
- 2) Envita fixing labelled 9 (pink) Nitrogen in plant cells.



ACRE MATCHMAKER



HOW ENVITA WORKS:



Envita can be applied in furrow at planting or sprayed on growing plants. It quickly establishes within the plant and grows with the plant as it matures. Unlike rhizobia which does not begin forming nodules until the root system is taking form, Envita starts to fix nitrogen very quickly and lasts all season long. This provides the plant with an additional source of nitrogen during critical growth periods where nitrogen loss may occur due to environmental conditions

- Envita enters the plant through the root zone (in-furrow application) or leaf stomata (foliar application)
- Envita bacteria works its way into the plant cell and colonies within the actual cell
- Envita bacteria creates small vesicles or "air pockets" within the plant cell that have the ability of capturing nitrogen from the atmosphere
- Envita repopulates within the cell

Envita Yield Results 2023



- Wheat Harvest
- 7/5/23
- Hopedale, IL
- Control Yield: 108 Bushel



East Field
+10

West Field
+7



- Soybean Harvest
- 10/2/23
- Fredricksburg, IA
- Control Yield: 62.6



Results
-2.5

PTI Results 2023

In-Furrow

Results
+6
BU/ACRE

Results
+8
BU/ACRE

Results
+\$16.91
/ACRE

Results
+\$27.53
/ACRE

**Foliar applied w/
normal nitrogen rate
@ V4 growth stage**

Results
+3.4
BU/ACRE

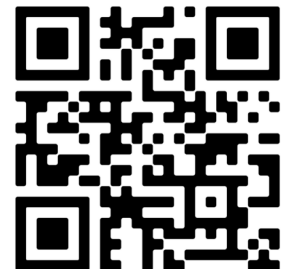
Results
+\$5.55
/ACRE

**Foliar applied w/
normal nitrogen rate
@ VT growth stage**

Results
+6
BU/ACRE

Results
+\$27.53
/ACRE

**SCAN HERE FOR
CURRENT YIELD
DATA**



TO ORDER

Call 1-877-632-2467 (1-877-NFA-BIOS) or Visit newfieldsag.com

PheNom[®] (Season-long N-Fixer/ P Solubilizer)

Phenom is a blend of 2 endophyte microbials that live inside the plant and not in the soil. Nitrogen can be lost by leaching, denitrification, and volatilization. Depending on your soil pH, up to 50% of the phosphorus in the soil is not available. By fixing atmospheric nitrogen and increasing phosphorus efficiency in your plant, you increase season-long plant health and yield.

- **Increased Nitrogen Availability** – pulls Nitrogen from the air and converts N₂ to NH₄, which then feeds your plants.
- **Improved Phosphorus Efficiency** – Processes and metabolizes phosphorus faster and more efficiently with the bacteria living in the roots.
- **Season-Long performance** – systemic bacteria lives inside the plant as long as the plant is alive.
- **Higher Return on Your Investment** - Phenom has an average win rate of 85% across all crops tested. That means 85% of the time Phenom will give you positive results.
- **Yield Check** – research has shown yield increases of +8.2 bu./acre on corn and +2.7 bu./acre on soybeans.
- **Flexible** – can be used on all living crops.

Available as a Seed Treatment (ST) (1oz/unit) and Liquid-in-Furrow (LiF)/Foliar (F) application (16 oz/acre)

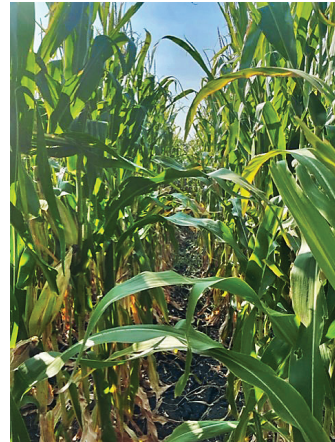


Scan for more information.



Phenom applied infurrow

Untreated Check



Gibbon, MN



* Read and follow all labeled instructions

“The farmer is the only man in our economy who knows the value of a day’s work and the price of a hard-earned dollar.” – Unknown



Scan for more information.



LeafTech (On-Demand Leaf Tissue Analysis)

LeafTech On-Demand Leaf Tissue Analysis is a groundbreaking handheld device that gives users the power of a digital lab in the palm of their hand. It quickly geo-locates plants for easy access and provides detailed analytical data on a plant's leaf tissue nutrient composition. This cutting-edge tech is an essential aid for anyone studying plant health.

- **Make decisions quicker** - it removes the time delay to achieve a crop's production potential with faster, targeted corrective actions while improving nutrient and environmental stewardship. LeafTech provides analysis in 3-5 minutes as compared to 5-7 days waiting for results from a lab.
- **Make smart decisions** - accurate data points. Up-to 97% accurate as compared to lab samples.
- **Save money** - this on-demand tissue analysis technology provides 30x or more site-specific data points at 3% of the cost of sending samples to a lab.
- **Save more money** - reduced input cost/unit of production to improve yields and quality in your crop.

Current nutrients measured as we add more -

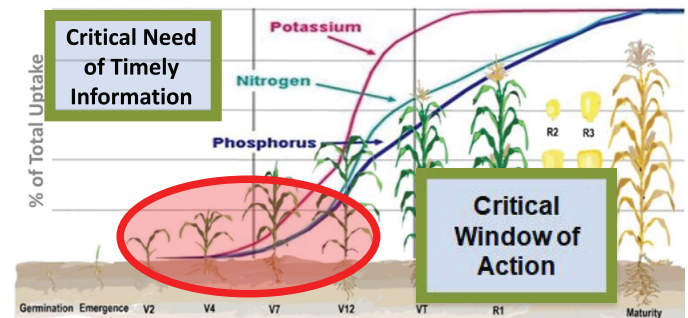
Nitrogen - Phosphorus - Potassium - Sulfur - Zinc - Copper - Iron - Boron - Manganese - Magnesium - Calcium - Molybdenum (Corn) Leaf Water Content (LWC)

Terms -

This is a scan-as-a-service subscription. Includes scanner, software, case, battery, charger and unlimited scans for the growing season. At the end of the cropping season, the scanner will be returned to NewFields Ag within 20 business days of season end. This allows software updates to be made to these units for the coming growing season, so you have the most up to date machine in your hand for your operation



Sample ID						
2024-6-12-11-52-54						
Farm	Field	Grower				
NewFields...	Discover...	NewFields Ag				
Crop	Growth Stage	User Input				
Corn	V3-V5	Control				
Latitude	Longitude	Field Input				
40.59031	-89.51578	Select In-Field Input				
N%	P%	K%	Mg%	Ca%	S%	LWC
3.83	0.54	2.66	0.22	0.51	0.28	404.00
B ppm	Zn ppm	Mn ppm	Fe ppm	Cu ppm		
21	111	209	252	14		



“Most things, except agriculture, can wait.” – Jawaharlal Nehru.



Growthful™ More than a Soil Amendment

Growthful™ breaks down organic matter in the soil to release nutrients and provides hydrogen ions to improve soil and plant processes.

- **Healthier soils** - Buffers and changes soil pH. Conditions your soil for improved plant performance on all soil types.
- **Addresses Crop Stress** - Increases, improves, and optimizes soil conditions for tolerance and resistance of abiotic stress.
- **Increases Availability** - Improves water/nutrient availability, use, efficiency, processing, and retention.
- **Improves Retention** - Increases soil/water nutrient retention, holding capacity, and permeability.
- **Efficient costing** - simply add to what you are already doing.
- **Increased revenue/yields** - higher yields and bigger crops. For every \$1 invested in corn production, research shows a \$7 return.
- **Widely adaptable** - successfully used on row crops, alfalfa, pasture and many, many specialty crops.
- **Easy to Use** - Compatible with most any other liquid inputs. Blend away!

Available as a Soil Applied (SA) application pre-emerge, Liquid In-Furrow (LiF) application, as a Foliar (F) application during silking and tassel and in Hydroponic environments.

If you want to maximize your yield, I strongly recommend that you give this new product Growthful a try.

I applied it to my soybeans in 2020, and the results were spectacular. We averaged over 70 bushels per acre and in some places saw readouts of 100 bushels per acre while harvesting.

—LYNN WALTON



INCREASED YIELDS
AVERAGING **17%**

Corn Field Test ROI:
For every \$1 invested,
\$7 was returned.
Get it done with Growthful!

A 10% increase in Soybean yield could give you \$75+ per acre of potential profit.
Get it done with Growthful!

Aqueus Growthful Pre Emerge (5 gallon container)	Ozs per acre
Corn	16.00
Soybeans	16.00
Aqueus Growthful In Furrow (5 gallon container)	Ozs per acre
Corn	16.00
Soybeans	16.00
Aqueus Growthful Post Emerge (5 gallon container)	Ozs per acre
Corn	12.80
Soybeans	12.80

* Read and follow all labeled instructions

Growthful Yield Results 2023



- 3 Year Study - Soybeans
- Spencer Farm - Armada, Michigan
- Control Yield: 53

Results
+11



- 3 Year Study - Soybeans
- Spencer Farm - Armada, Michigan
- Control Yield: 38

Results
+15



- 3 Year Study - Soybeans
- Spencer Farm - Armada, Michigan
- Control Yield: 32

Results
+6



- Corn Harvest
- Delta, Ohio

Results
+3

SCAN HERE
FOR CURRENT
YIELD DATA



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Call 1-877-632-2467 (1-877-NFA-BIOS) or Visit newfieldsag.com



Scan for more information.

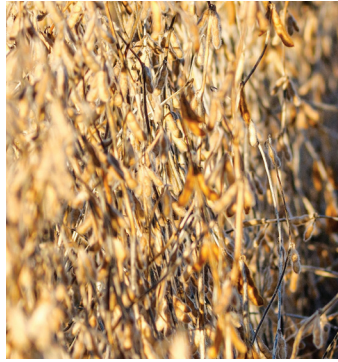


Rizosphere Ag (Improves Plant Efficiency)

Rizosphere Ag builds the soil while improving early crop growth. This is a plant and soil builder with broad spectrum modes of action. Made using a multi-stage microbial fermentation process to extract essential nutrients along with additional beneficial ingredients.

- **Boosts what's there** - supplements the natural biological process of the organic turnover in the soil which increases robust root and plant growth.
- **Improve soil health** - establishes a relationship between the fungi in Rizosphere Ag and the soil bacteria in soil recycling. Fungi and help extracts work in conjunction to enhance growth and create healthy soil in anaerobic conditions. Feeds and nourishes soil bacteria that communicate and create naturally what the plant requires for strong healthy growth.
- **Faster nutrient uptake** - mobilizes minerals to nutrient status in soil solution. Works faster than residues in the soil for stimulating decomposition of organic materials and assisting growth hormones to enter the plant molecules faster and with less resistance.
- **Better early crop performance** - better germination, better early vigor with deeper root growth.
- **Many Uses** - Superior product for Specialty, Fruit, and Vegetable crop production. Great for Turf, Lawn, Garden, and Greenhouse applications. Very Impressive results on Row crops, Alfalfa, Small Grains, Wheat, and Forage.

Available to use as a Liquid In-Furrow (LiF) and Foliar (F) application.



KEEP OUT OF REACH OF CHILDREN * Read and follow all labeled instructions

"Farming is not just a job, it's a way of life." – Remez Sasson

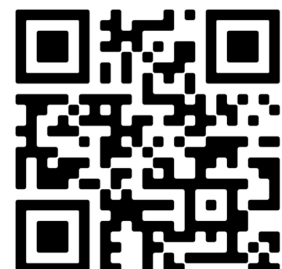
Rizosphere Yield Results 2023



- Location: Fredricksburg, IA
- Planting Date: May 1, 2023
- Number of Acres Planted: 20
- Type of Crop and Variety
Number: Soybeans
- Application Method and Use
Rate: Foliar
- Harvest Date: October 2, 2023
- Untreated Check Yield: 62.6

Results
+0.2

SCAN HERE
FOR CURRENT
YIELD DATA



TO ORDER

Call 1-877-632-2467 (1-877-NFA-BIOS) or Visit newfieldsag.com

Very Limited Quantities

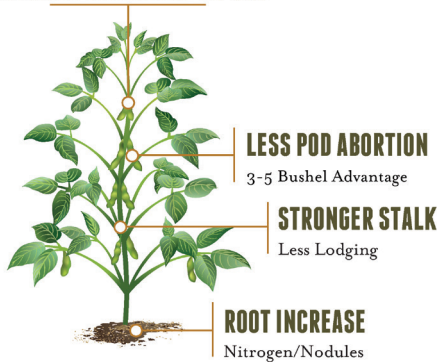


Scan for more information.

7.6 BU/ACRE
ADVANTAGE INCREASE
80% Positive Response
CORN

3.0 BU/ACRE
ADVANTAGE INCREASE
80% Positive Response
SOYBEAN

INCREASE BIOMASS UP TO 10%



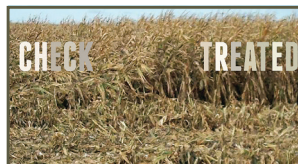
- PROPRIETARY COMBINATION OF NPK [9-9-3] ALONG WITH HUMIC AND FULVIC ACIDS
- 32 OUNCES PER ACRE-FOLIAR APPLICATION



The line indicates the spray boom shut off points. Yield Igniter helps reduce SOS. This field applied with post herbicide application = +10 bu./a advantage. (Image has not been manipulated.)



The corn stalk on the left was treated with Yield Igniter and is thicker and more rigid than the untreated stalk. (Image has not been manipulated.)



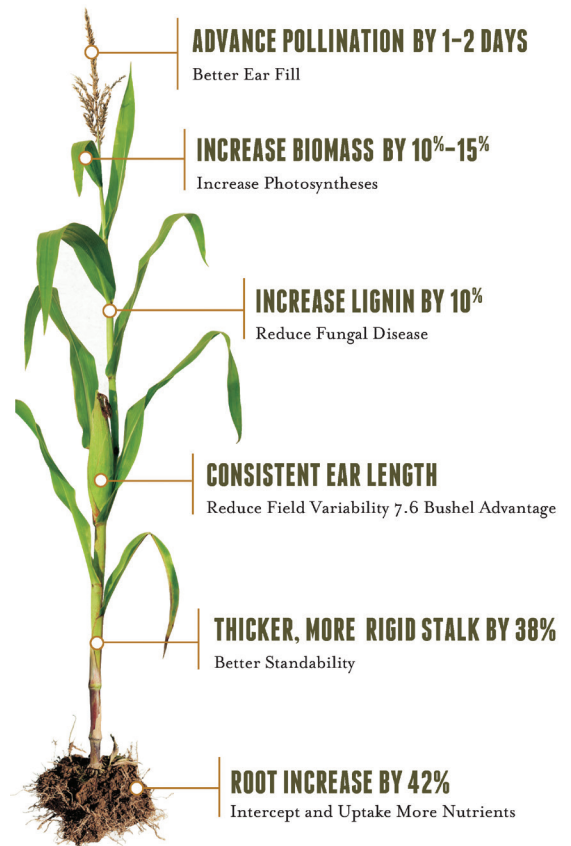
Corn on right was treated with Yield Igniter, making them less susceptible to damaging winds. (Image has not been manipulated.)

Yield Igniter® (Fertilizer)

A unique bio-stimulant with five key ingredients: Humic acid, Fulvic acid, and NPK. (9-9-3). Can assist with the release of soil-bound P&K.

- **Confidence in Use** – 80% or greater yield response with a +7.6 bu./acre increase in corn and a +3.0 bu./acre increase in soybeans.
- **Healthier, Productive Plants** – 25% more roots enable faster, more efficient uptake of nutrients and water while increasing soil microbial activity.
- **Better Soil Health** – improves soil structure by reducing compaction and increasing water filtration, aeration, and tillage. Increases carbon capture and sequestration.
- **Bigger Yields** – more uniform corn ears, fewer aborted soybean pods, and increased test weight (+6.5%) put more bushels in the hopper.
- **Easier Harvest** – greater standability due to up to 38% more stalk strength.
- **Ease of Use** – can be mixed with most fungicides, herbicides, and insecticides.

Available as a Foliar (F) application. (32 oz/acre)

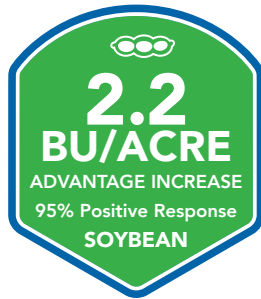


* Read and follow all labeled instructions

“The ultimate goal of farming is not the growing of crops, but the cultivation and perfection of human beings.” – Masanobu Fukuoka

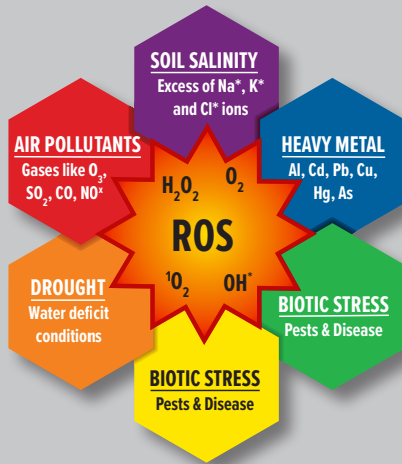


Scan for more information.



Reactive Oxygen Species (ROS)

1. ROS is produced when a plant is under stress.
2. ROS negatively affects mitochondria and chloroplasts.
3. ROS causes damage to plant cells.



Frenzy (Power Through Crop Stress)

Frenzy is proven in helping plants withstand and recover from stress, while increasing nutrient efficiency. Frenzy is very effective under heat, drought, pest, and disease stress in row crops and specialty crop production. Note: Frenzy needs to be in the plant before stress occurs so plan your application earlier than later.

- **Increased yields** - Corn: 97%-win rate. +8.7 bu/A average increase.
- **Increased yields** - Soybeans: 95%-win rate. +2.23 bu/A average increase.
(Corn and Soy results are from 11 states over 3 years)
- **Season-long Crop Health** - affects plants at the mitochondrial level. Gives the plant the ability to withstand and recover from stress and increase nutrient efficiency. 100X more efficient at combating stress than isoflavinoids.
- **Ease of timing use** - Can be foliar applied to a crop at any growth stage. Needs to be in the plant before stress occurs.
- **Ease of compatibility** - Tank mix compatible with herbicides, fungicides, liquid fertilizer, and insecticides. (always conduct a jar test)
- **Easy storage** - not a living biological. Has a shelf life of 2 years after production.
- **Best Practice** - Frenzy is compatible in tank mixes with herbicides, fungicides, and starter fertilizers.

Available to use as a Liquid In-Furrow (LiF) and Foliar (F) application (both 16 oz/acre).



* Read and follow all labeled instructions

As farmers shift to greater plant populations, root systems will decrease in size and require better management to reach maximum yield. "On average, we lose 2.5% of our root mass per plant for every 1,000-plant increase in population," Sible says. "We are planting 400 more plants per acre a year, which means we are losing 1% of our per plant root biomass every single year. These smaller roots are more susceptible to stress, and we're going to have to better manage that stress through things like biologicals."

Connor Sible, a postdoctoral researcher at the University of Illinois, Urbana-Champaign

"My grandfather used to say that once in your life you need a doctor, a lawyer, a policeman, and a preacher. But every day, three times a day, you need a farmer." – Brenda Schoepp



Scan for more information.



Forti-5 PAAC Foliar (Amino Acid Chelated MicroNutrient Mix)

Forti-5 PAAC is uniquely designed to provide a full pack of micronutrients directly to your crops. This foliar applied product is stable and electroneutral so as to be nonreactive. This allows for fewer trips, investing less time, and reduced field compaction. For use on corn, soybeans, wheat, milo, silage, alfalfa, small grains, vegetables and other crops. Foliar applied at 16 oz/acre with 10 to 20 gallons of water. See label.

Advantages of Amino Acid Chelated Micronutrients over EDTA Chelated Micronutrients

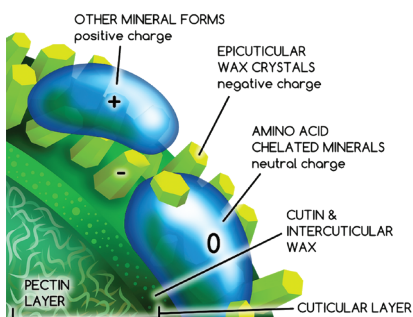
- **Electroneutral** - Instead of getting trapped on the surface of the leaf, Forti-5 PAAC Amino Acid Fertilizers are stable and neutral, thus passing through leaf surface into the plant.
 - Avoids antagonisms.
 - Can be applied at time of other chemical application (with Jar Test Check)
- **Freely passes through cuticle** - Xylem transports water and inorganic minerals in one direction via roots to leaves - (capillary action).
 - Recognized by the plant as proteinaceous, nitrogen containing - Amino Acid Chelated Minerals are able to use the plant's phloem because of the nitrogen in the amino acid.
- **Moves by the plant via phloem** - Phloem transports sugar and nitrogen compounds around the plant wherever it is most needed.

Benefits of the nutrients in Forti-5 PAAC include:

- **Total Nitrogen 3.00%**
- **Sulfur 2.00%**: Assist in Nitrogen metabolism, protein and oil synthesis. Necessary for chlorophyll formation
- **Magnesium 0.90%**: Enzyme activation and protein synthesis. The Chloroplast is the "powerhouse" of the plant cell. Chlorophyll is directly involved in photosynthesis and is also one of the most important natural chelates. At the center of this vital molecule there is a Magnesium ion. Supplying the plant with the correct minerals in the most bioavailable form is critical for improved plant performance.
- **Boron 0.50%**: Important for pollination, seed production and stimulating growth.
- **Copper 1.00%**: Works with nitrogen use in the plant, helps convert amino acid and improves disease resistance
- **Manganese 0.50%**: Works in respiration, chlorophyll development, photosynthesis and nitrogen use. Is essential for photosynthesis and nitrogen. Also, involved in pollen growth and improved disease resistance.
- **Zinc 1.00%**: Compound of enzymes for growth and development. Improves root growth and disease resistance.

Warning: The application of Boron on any crops other than those recommended may result in serious injury to the crop.

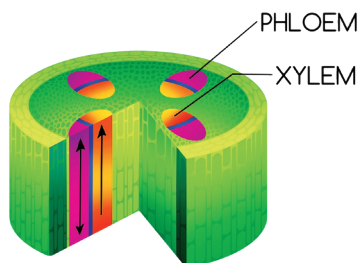
* Read and follow all labeled instructions



Instead of getting trapped on the surface of the leaf, Forti-5 PAAC Amino Acid Fertilizers are stable and neutral, thus passing through leaf surface into the plant.

Xylem transports water and inorganic minerals in one direction via roots to leaves- (capillary action).

Phloem transports sugar and nitrogen compounds around the plant wherever it is most needed. Amino Acid Chelated Minerals are able to use the plant's phloem because of the nitrogen in the amino acid.





Scan for more information.



untreated

Soyfx™

Soyfx™

Soyfx™ is a specific/unique combination of identified and tested microbials that elicit a positive crop response. Soyfx™ unlocks the plant's ability to produce metabolites that enhance production through biosynthetic pathway efficiencies.

- **Flexibility** - apply as a seed treatment, in-furrow, or as a foliar
- **Increased branching** - microbes manipulate the plant into activating the lower axillary buds into developing branches. Up-to 11% more branches.
- **Increased pods** - with additional branching comes more pods. Up-to 28% increase in pod count with SoyFX™ treated plants. A healthier plant also produces less aborted pods.
- **Increased nodulation** - Facilitative anaerobic bacteria support the production of nodules in upper inch of soil. Nodules fix Nitrogen into a form usable to the plant. Independent research documented a 23% increase in nodulation with SoyFX™.
- **Efficacy after a hail event** - Microbes within SoyFX trigger regrowth at point of breakage rather than relying on lower axillary buds. Product allows for a quicker, more aggressive recovery from a hailstorm resulting in lower yield loss.

Branches, Pods, & Nodulation



How Does Soyfx Increase Branching?

Microbes contained within Soyfx manipulate the plant into activating the lower axillary buds into developing branches.

Available as a liquid Seed Treatment (ST), Liquid In-Furrow (LiF), or Foliar (F) application.



Bio Barge treats 43,200 u



Scan for more information.



Soy30 treated soybean plants

Soy 30 (Inoculant)

Soy30 inoculant is a high concentrate sterile liquid inoculant made from bradyrhizobium japonicum bacteria for soybeans.

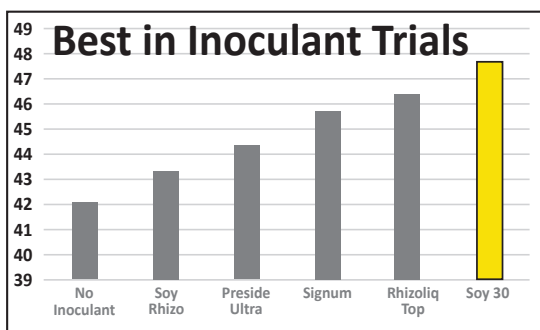
Soybeans require five pounds of Nitrogen to produce one bushel of grain. If you want to raise your soybean yields your soybeans will need more Nitrogen.

Soybean inoculants convert atmospheric Nitrogen to a useable form in the soil to be used by the soybean plant.

Soy30 inoculant is the most effective and the most economical nitrogen supply for soybeans.

Soy30 inoculant is specifically formulated for high volume commercial seed treaters.

- Highly active nodule forming bradyrhizobium japonicum bacteria
- Increased nitrogen supply for soybeans
- Easy to apply
- Proprietary formulation
 - Compatible with seed treatments to 30 days on seed
- Stride extender available for longer compatibility with seed treatment
- Made fresh, comes with a born on date
- Soy30 can be mixed with other products to create added benefits and yield.



* Read and follow all labeled instructions

When you have eaten and are satisfied, praise the Lord your God for the good land he has given you. – Deuteronomy 8:10



Scan for more information.

BAC Ag (Antimicrobial Cleaner)

BAC Ag is a one-step, deodorizing, organically grown, botanical, antimicrobial cleaner, proven to provide highly efficient pest control. BAC Ag is 99.9999% effective against odor causing and surface damaging microbes. It is formulated with natural essential oils and has a mild scent. It is safe to use and proven to tackle mold, mildew, and other pests.

- **Safe for use** - non-irritating on your skin. Non-toxic. Non-staining and non-corrosive. Safe around animals.
- **Highly Effective** - antimicrobial, antifungal, and cost effective. Removes hard water deposits. Will also help repel insects!
- **Ease of use** - Ready-to-use, one-step, no-rinse formula.
- **Flexible uses** - use in home, business, agricultural equipment, veterinary locations, and hospitals. Use on hard and soft surfaces, stainless steel, countertops, floors, walls, etc... Can also be used on fruit trees, for example, to control fungus.
- **Environmentally friendly** - utilizes plant oils that are non-toxic, biodegradable, nonflammable, non-combustible, and non-corrosive.
- **Made in the USA**

EPA, FDA FIFRA Recognized product:

- **40 CFR 180.910 / 40 CFR 180.920 FIFRA 25 B-** For use on growing crops or raw agriculture products after harvest.
- **40 CFR 180.930** for use on animals.

Application Methods

- **Electrostatic Spray** – Approximately 7500 Sq.Ft. 3D Application (12 oz/55 gal)
- **Fogging** – Approximately 1500 Sq.Ft.
- **Pressure washing** (12 oz/gal)
- **General use for cleaning** (diluted or undiluted)



KEEP OUT OF REACH OF CHILDREN * Read and follow all labeled instructions

"Farming is not just about producing food, it's about nurturing the soil, caring for animals, and preserving the environment." – Unknown

Bigshot Maxim

(Safe. Effective. Insect Control)

Bigshot Maxim is a botanical pest control solution that offers long-lasting residuals with adulticide and knock down attributes. Safe for pollinators, organically grown, and with a fresh scent, it is designed to release its active ingredients over time (lasts up to 21-30 days) for maximum efficacy.

- **Increased animal performance** - successfully used in livestock facilities to promote animal welfare.
- **Improved work environment** - Effective control of a long list of insects that make your work environment buggy to be in.
- **Improved plant/crop performance** - kills the boring and chewing insects that damage your plants and helps the crop stay healthier and perform better. Great on crops and great for your garden.
- **Safe for you and yours** - Safe around humans, pets, and pollinators with a fresh botanical scent.
- **Safe stuff inside the package** - ingredients are from organic sources, not harsh chemicals.

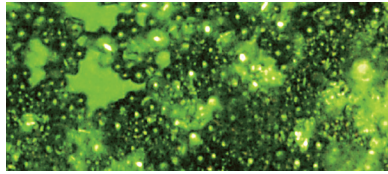
Available in Ready-to-Use (RTU) sizes and Concentrate for mixing before use. (See website for application rate.)



Scan for more information.

FIFRA 25b
Grown Organically

Mircoencapsulated time release capsules.



* Read and follow all labeled instructions

VALUE JUDGEMENTS CREATING CHANGE



Are you living out your values in your farming operation? While important to our personal lives, values are vitally important to agriculture and food production, too. For instance, many believe the soil is the foundation of our food system and we agree that healthy soil is central in producing a high performing crop. NewFields Ag thinks the value judgements we make each season concerning tillage, type of crop planted, what form and timing of fertility used and boosting what nature is already doing with biologicals, are all drivers to increased crop performance. We believe the value judgements we start with are the precursor to your soil quality, plant performance, quality, and yield. Together, we are creating change that is having a positive impact on human and environmental health.

TO ORDER

Call 1-877-632-2467 (1-877-NFA-BIOS) or Visit newfieldsag.com

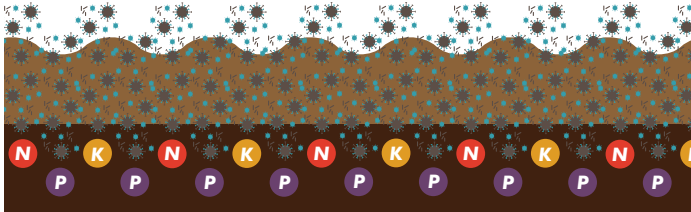


Scan for more information.

NutriPhi Manure (Manure and Compost Management)

NutriPhi is specifically designed for beef, dairy, and hog operations to help manage solids, reduce run-off, and diminish harmful odors in barns, houses, and lagoons.

- **Healthier environment** - for animals and humans. Improves air quality in confinement buildings and around lagoons.
- **Easier handling of manure** - digests sludge and crust from lagoons and manure pits and liquifies the solids for easier pumping into machines and out of machines.
- **Decreased costs** - reduces agitation time and expense. Easier on equipment.
- **Saves you Money** - enhances the nutrient value of manure, saving money on the need to purchase more inputs.
- **Decreased Fly Population** - with better manure management, NutriPhi will decrease the fly population around your farm.



SWINE

Size of Herd	Application/ Month	Total Gal/Year
2,400	2.5 gal	30 gal



DAIRY

Size of Herd	Application/ Month	Total Gal/Year
100	2.5 gal	30 gal
500	12.5 gal	150 gal
1,000	25 gal	300 gal



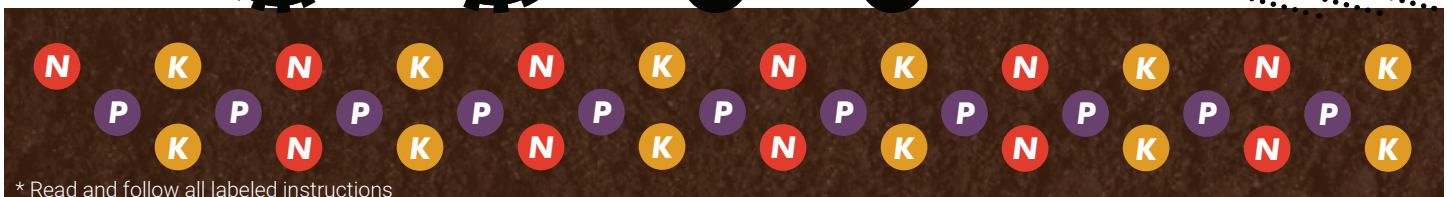
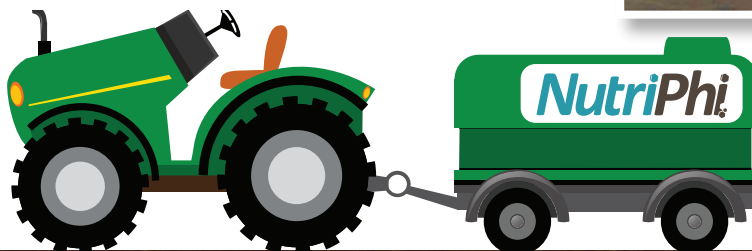
BEEF

Size of Herd	Application/ Month	Total Gal/Year
100	10 gal	120 gal
500	50 gal	600 gal
1,000	100 gal	1,200 gal



- NutriPhi treated manure has a higher nitrogen content vs untreated manure
- NutriPhi bacteria convert N,P and K to more plant usable forms faster
- NutriPhi manure is loaded with carbon digesting, nitrogen fixing, and phosphorus solubilizing bacteria which benefit the next crop

NutriPhi can also be used on row crops to promote efficient breakdown of crop residue, moving these nutrients back into the soil for quicker use by the following crop.



* Read and follow all labeled instructions

“Even if a farmer intends to loaf, he gets up in time to get an early start.” – Edgar Watson Howe



Scan for more information.

NutriPhi Residue (Stalk Degradation/Soil Remediation)

In row crops, NutriPhi is used to promote efficient breakdown of crop residue, moving these nutrients back into the soil for quicker availability by the following crop. NutriPhi will also help break down herbicides that can damage the following crop.

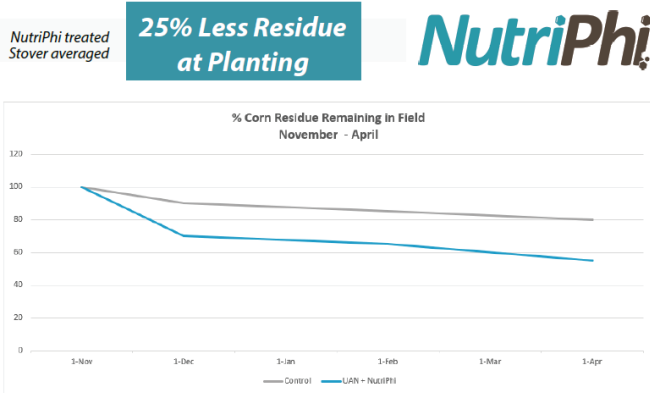
- **Improves Soil Health** - Increased soil remediation across all soil types that increases organic matter.
- **Faster Chemical Degradation** - Breaks down chemical structures (herbicides) and hydrocarbons in the soil to reduce crop injury to the next crop.
- **Better performing crops** - NutriPhi breaks down the crop residue quicker and makes the nutrients tied up in that dead plant available faster than normal residue breakdown.
- **Healthier soils** - contributes to the building of organic matter.
- **Improved emergence** - reduced stalk trash for seedlings to work through.

NutriPhi can also be used in beef, dairy, and hog operations to help manage solids, reduce run-off, and diminish fly populations and harmful odors in barns, houses, and lagoons.



- 1 – 2 quarts per acre applied directly to residue with a minimum of 15 gallons of water per acre for coverage
- Apply as soon after harvest as possible.
- Can also be applied during spring burn-down programs

NutriPhi Impact on Corn Residue



NutriPhi Residue

Remaining Nutrients in Crop Residue

Crop Residue	Bu/Acre	N	P2O5	K2O
Corn Stover	200	100	50	210
Soybean Stover	70	77	17	70
Wheat Straw	80	56	13	96

Source: Michigan State
Nutrient levels will vary depending on location, farming practices, and growing conditions

RETURN ON INVESTMENT

Digesting large amounts of crop residue in time to make the nutrient available for the following season can be difficult for natural microbial communities in soil. Unlocking tied up nutrient from crop residue can have major impacts on the following seasons yield.

Nutrient Availability Caused by 25% Less Residue (200 bu/acre corn crop)

- Nitrogen: 25.0 units
- P2O5: 12.5 units
- K2O: 52.5 units



* Read and follow all labeled instructions

TO ORDER

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NewFields Ag™

Farmer-Focused

Farmer-Focused Research

We prove our products work with win rates over 70-80% or We Don't Carry It.

Farmer-Focused Biological Portfolio

From seed treatment, planter-box, in-furrow, and foliar, we have a full lineup to go to work for you.

Farmer-Focused Product Performance

Yield from millions of acres prove our products provide Return-On-Investment for your bottom line profit.

Farmer-Focused Future

Promoting sustainable rural prosperity while preserving the environment with the future in mind.

Does the complexity of regenerative farming make it confusing in trying to navigate what to do on your farm?

Are you living out your values in your farming operation? While they are important to our personal lives, values are vitally important to agriculture and food production, too. Many believe the soil is the foundation of our food system and we agree that healthy soil is central in producing a healthy crop. But aren't the value judgements we make each season concerning tillage, type of crop planted, what form and timing of fertility used and boosting what nature is already doing with biologicals the drivers to

increased crop performance? Value judgements are the precursor to soil quality, plant performance, yield, and quality.

Different regenerative farmers use different practices. But we are all creating change that is having a positive impact on human and environmental health.

What is your #1 consideration when managing crop production?

TO ORDER

Call 1-877-632-2467 (1-877-NFA-BIOS) or Visit newfieldsag.com

NewFields Ag Finance - Cash Flow Partnership

"High interest rates are already impacting farmers and it's coming at the expense of ag loans." From Farm Journal

Credit needs have risen for many due to high costs.

Interest rates on farm loans were the highest in 16 years (2007) for the 2024 growing season.

The average operating loan in 2024 was 20% smaller than the previous year and could be lower for the 2025 operating season.

Some farmers are tapping into their savings instead of taking high interest rate loans.

Improve your cash flow position by not touching your personal funds with a 0% interest rate loan from NewFields Ag.

Financing Program

NewFields Ag has partnered with First Mid Bank & Trust to offer customer financing for the 2024 and the 2025 crop years. First Mid has a 158-year history of working with farmers.

NewFields Ag Finance Program Overview

- **0% financing on NewFields Ag Product lineup***
- **Application window opens July 1st, 2024 with an application deadline of April 15, 2025**
- **Payment due December 15th, 2025 with a 30-day grace period**
- **Easy, on-line application process**
- Prime - 3.5% on NewFields Ag product lineup on applications submitted after April 15th, 2025 with application deadline of June 30th, 2025.)
- Flexible terms
- No geographic restrictions
- Must submit order of products to Newfields Ag
- Fast approval for loan requests \$200,000 or less
- Loans greater than \$200,000 will require historical tax returns, balance sheets, and cash flow projections from the customer
- Applications options:
 - PDF or paper application can be completed and submitted via email, mail, fax, to First Mid along with supporting documents.
 - Mail to First Mid Merchant Financing
Attn: : Credit Dept.
PO Box 499
Mattoon, IL 61938
 - Email to: merchantfinancing@firstmid.com
 - Electronic application can be submitted online via DocuSign.
<https://www.firstmid.com/newfieldsag/>

Customer Benefits

- Ability to finance product purchases up to \$500,000
- Credit decisions received within 48 hours
- Reliable customer support for all application and financing questions

* excluding LeafTech™ products



Contacts

Sydney Spelman
Merchant Financing Officer
sspelman@firstmid.com
217-258-0471 (Office)

Customer Support Center
833-594-0323
Mon-Fri 7am-6pm (CST)
Saturday 8am-1pm (CST)

The **DUST**™ Story

DUST is a soy-protein based biological inclusion carrier, which allows it to deliver beneficial amino acids, microorganisms, nutrients, and seed treatments directly to seeds during planting. By integrating bio-inclusions like beneficial microbes (e.g., nitrogen-fixing bacteria or fungi that promote plant health) into the DUST particle, we create a dual-purpose product that provides a biological boost to crop growth and superior seed lubrication.

As a carrier, DUST helps to feed and protect these bio-inclusions from environmental stressors like starvation or temperature extremes that they'd otherwise face if applied with talc/graphite. By coating seeds, DUST delivers these biologicals/bio-stimulants precisely where they're needed, ensuring that plants benefit from improved soil interactions, nutrient availability, and disease resistance right from germination.

This application offers your operation a more efficient way to apply microbial inoculants and other biological treatments that support crop resilience and soil health.

DUST is also a superb seed lubricant. DUST is a specialized product designed to enhance the efficiency and reliability of

planting operations. Reducing friction and seed wear, DUST has been proven to work in any kind of planter. When seeds are planted at high speeds, there's often friction between the seeds and the planter components, which can lead to seed coating damage, reduced accuracy, and potential equipment wear.

DUST helps address these issues by acting as a dry lubricant. Made with non-talc and non-graphite materials, it allows for smoother seed flow, ensuring consistent planting depth and seed spacing. Its low-use rate puts your cost even with talc/graphite. But unlike talc/graphite, you can treat your seed in February to plant in April with the flexibility of our 180-days life-on-seed benefit. Additionally, DUST helps maintain cleaner machinery since traditional talc and graphite can create dusty, abrasive build-up in planters. And it's safer and cleaner for your lungs, skin, and clothes.

We developed DUST with an emphasis on effectiveness in being a biology carrier along with its safety and eco-friendliness, as it's both safe for the environment and much less messy for operators. DUST is being used on millions of acres as a way to more perfectly carry biology to your seed while improving planting efficiency by minimizing downtime and equipment maintenance.



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