

CLEANER. SAFER. GREENER.®



newfieldsag.com

PRODUCT GUIDE

2024/2025



FINANCING

See details on page 25

See the New
BioStax™ page 4

BioPesticide for CRW mitigation

Innovations In Your Fields™



FARMER-FOCUSED

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.

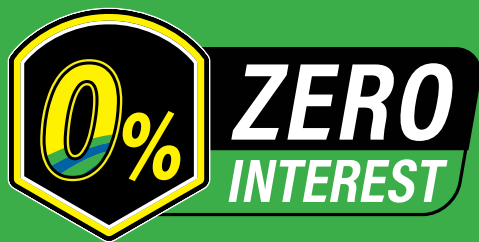
1. **Biofertilizers:** These contain living microorganisms that enhance nutrient availability and uptake by plants. They can include nitrogen-fixing bacteria, phosphorus-solubilizing bacteria, and mycorrhizal fungi.
2. **Biological insecticides:** These are derived from naturally occurring micro organisms 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.

“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

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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.

BioStax™

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 YieldCheck win percentages go into our BioStax packages, giving you the confidence you will see bigger yields and better Return On your Investment.

Characteristics →	Purpose	Active Ingredients
Dri-Fecta	Seed Drying - Shine - Flow agent	Titanium, Mica, Soy protein amino acid (DUST)
DUST	A superior bio-complex microbe carrier, seed and planter parts lubricant	Bio-complex, soy protein amino acid blend
DUST+B4	To solubilize phosphorus from the soil. Shows natural antifungal properties. Already blended with a superior bio-complex carrier and lubricant	Brevibacillus laterosporous, 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)
Nutriquire+DUST+ Terrasym 401	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+ Terrasym 450	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)
Bio-Stealth with Provid-R	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

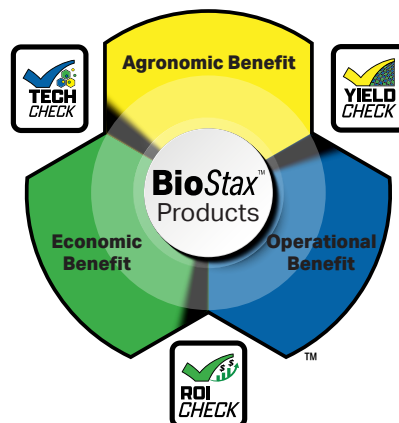
**Bacterial
Inoculant**

DUST

Bio-Pesticide

Bio-Stealth with Provid-R

**NewFields Ag
BioStax™ Product Benefits**



**NewFields Ag
BioStax™ Products**

**Bio-Stealth with Provid-R
Nutriquire+DUST+Terrasym 450
Nutriquire+DUST+Terrasym 401**



Nutrients	Watch-Outs	Biological or BioStimulant	ST	PB	Shelf Life	Labeled Crop
			.8 oz/unit			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	Both		0.5 oz/unit	9 months	Soybeans
	180 day life on seed dry application	Both		0.5 oz/unit	9 months	Corn
	180 day life on seed dry application	Both		0.5 oz/unit corn	9 months	Corn

TO ORDER

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

Bio-Stealth with Provid-R NEW to the NewFields Ag BioStax™ lineup!

Ways this Leading-Edge Package benefits your crop's performance



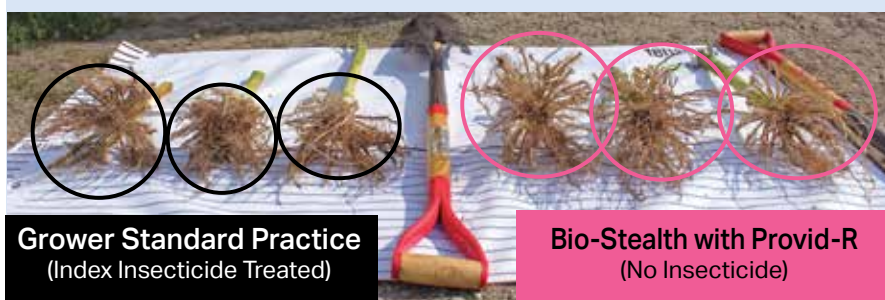
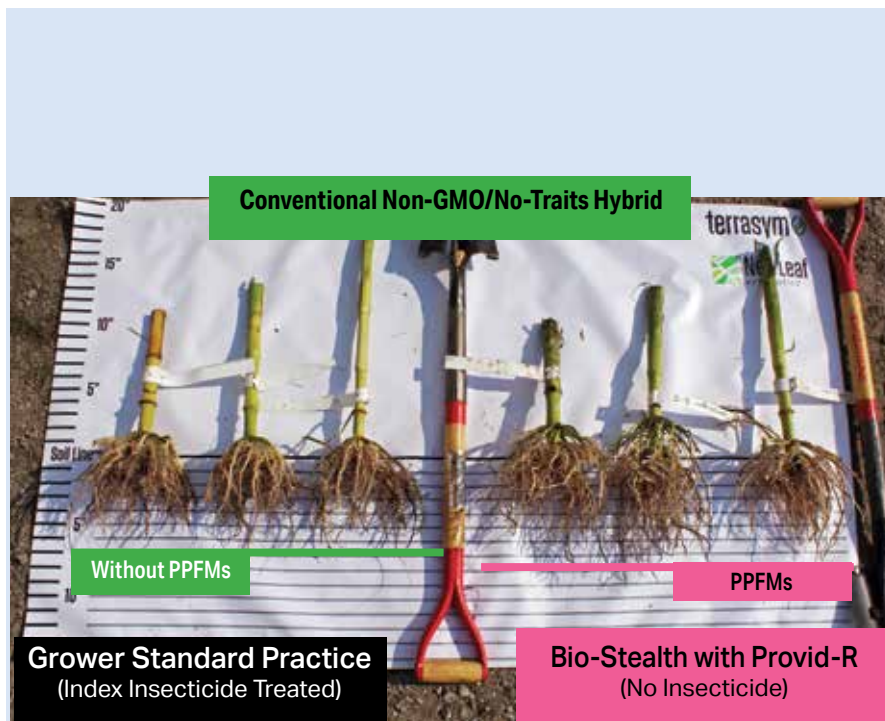
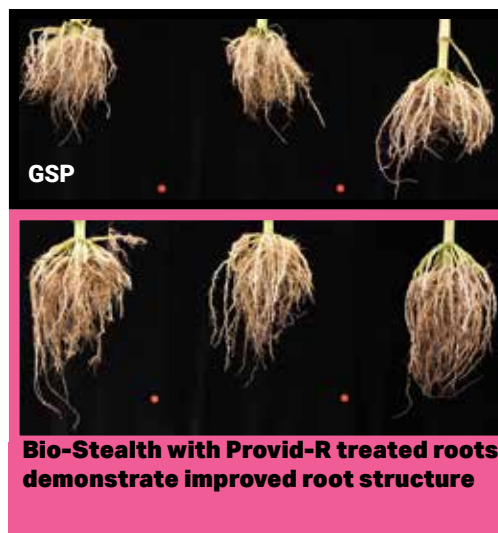
BIO-STEALTH TREATED CORN HAD LARGER ROOT SYSTEMS

- +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

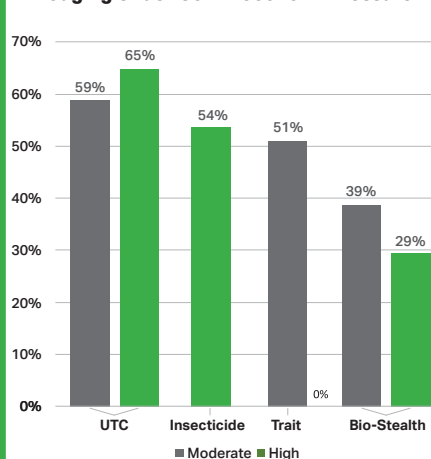


IMPROVED ROOT STRUCTURE



IMPROVED ROOT STRUCTURE DECREASES LODGING

Lodging Under Corn Rootworm Pressure



ROOT REGROWTH AFTER LARVAL PRUNING

In situations where roots are fully pruned by larval feeding, Bio-Stealth treated roots demonstrate aggressive re-growth at the site of damage



* 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

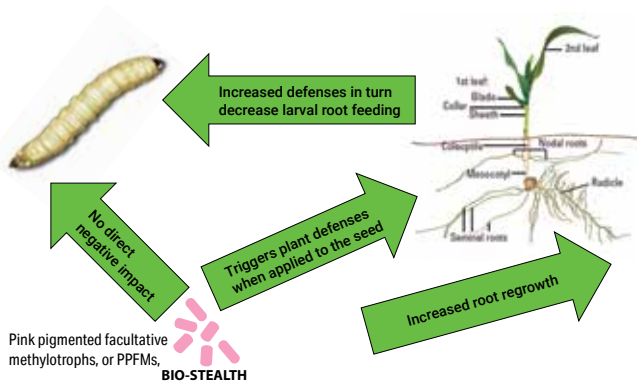
Bio-Stealth with Provid-R

NEW to the NewFields Ag BioStax™ lineup!

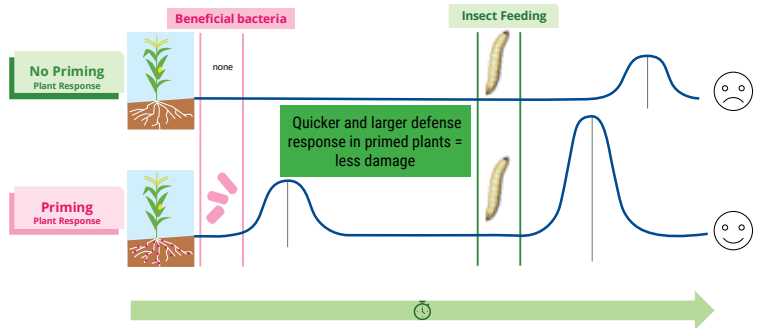
How this NEW Bio-Protection package works in Corn

MODE OF ACTION for Bio-Stealth Bio-Pesticide.

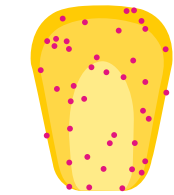
Ongoing Work



ISR – INDUCED SYSTEMIC RESISTANCE

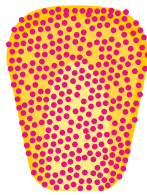


DUST PROVIDES A HIGH LEVEL OF COVERAGE ON SEED



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

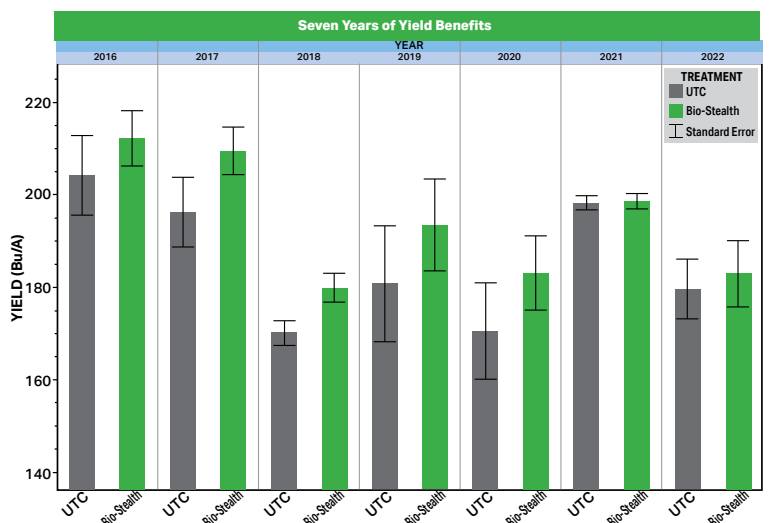
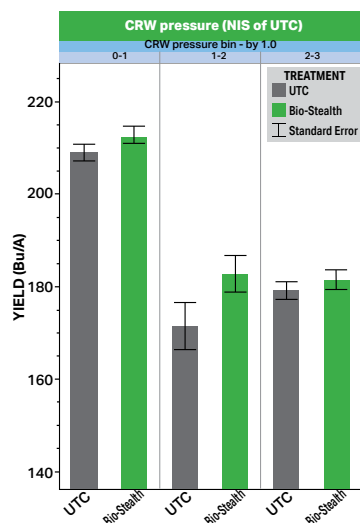
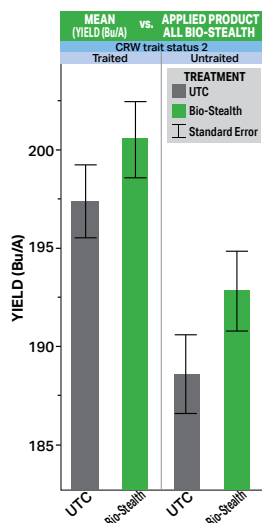
Planting → Emergence → Mid-Season → Late Season → Harvest

- 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

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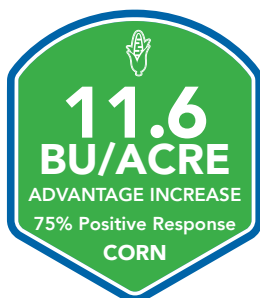
Part of our
BioStax™
product line-up



Nutriquire



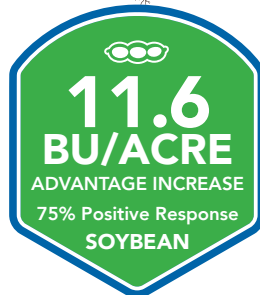
terrasym



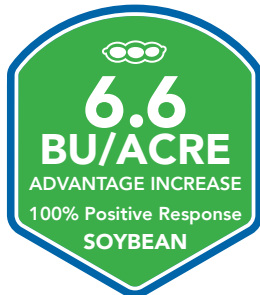
Part of our
BioStax™
product line-up



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



DUST™

(The "Perfect" Bio-Complex Inclusion Carrier/ 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 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

	<u>DUST</u>	<u>Talc/Graphite</u>
	\$.58/ounce	\$.15/ounce
Use rate	½ oz./unit corn = \$.12	2 oz./unit corn = \$.12
Use rate	½ oz./unit soybeans = \$.29	2 oz./unit soybeans = \$.30

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.”



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. 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.

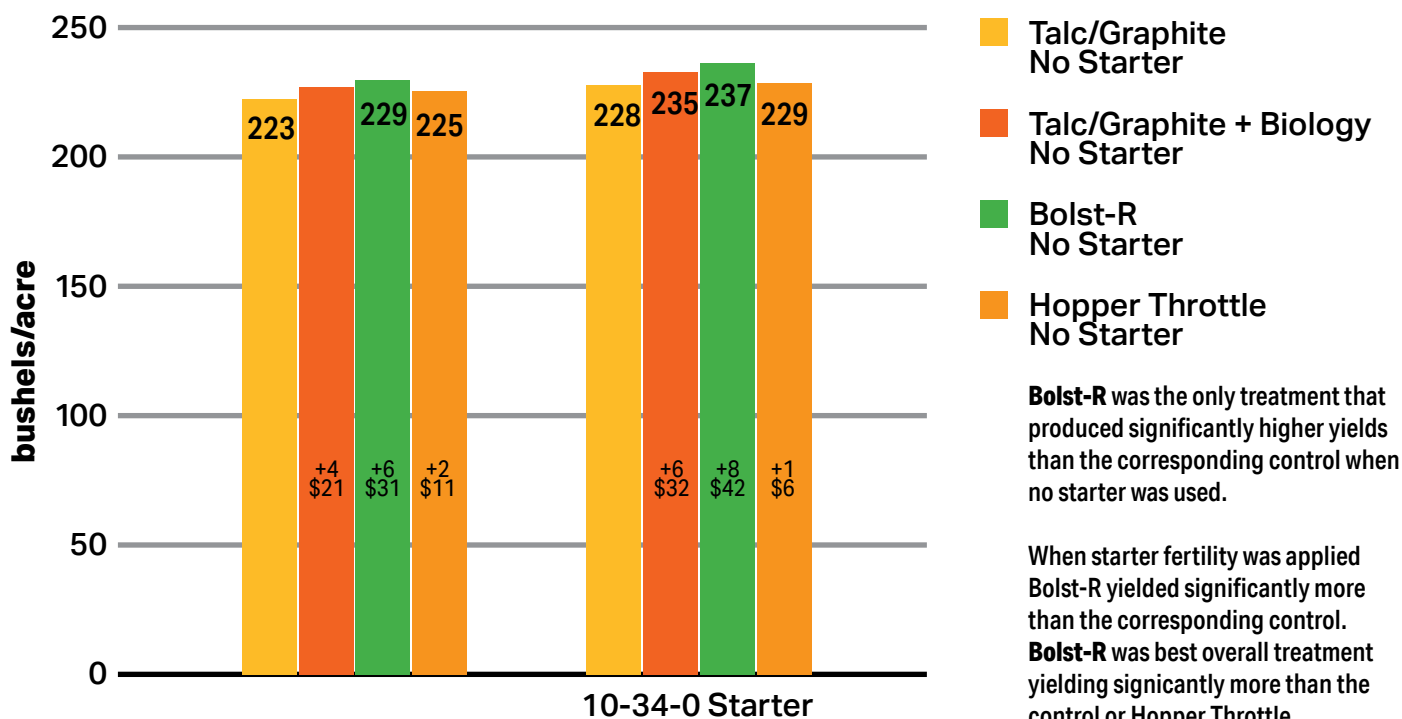
- **Increased Nitrogen Availability** – feeds your crop season-long by converting soil microbes into nitrogen.
- **Improved Root Structure** – Field studies show bigger root surface area, root diameter, number of root tips/volume, and total root length.
- **Improved Phosphorus and Potassium Efficiency** – 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.

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

* Read and follow all labeled instructions



Yield Per Acre



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





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

TO ORDER

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



DUST™+B4 (Phosphorus Solubilizer + DUST)

Combines all the great benefits of our DUST biological carrier 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 of 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 use.
- **Peace of mind** - Compatible with seed applied fungicides, insecticides, and inoculants.

Available as a Planter Box (PB) application.



* Read and follow all labeled instructions



Hono-R™ (Brady + Iron and Zinc Benefits)

Hono-R is another exciting new entry to our dry, planter-box lineup of exceptional products for your farm. Hono-R contains the well-known and highly effective Bradyrhizobium while also providing more availability to nutrients vitally important to your soybean performance such as Iron (Fe) and Zinc (Zn).

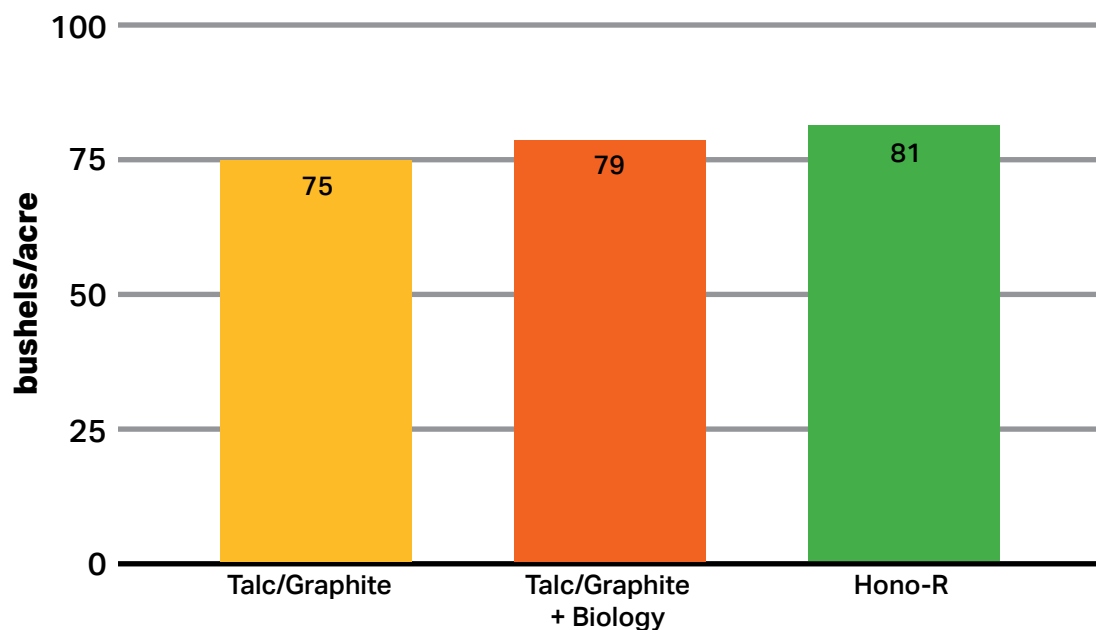
- **Increased Nitrogen Availability** – Produces impressive root nodulation which brings with it the nitrogen-fixing bacteria, important for high-yielding soybeans.
- **Improved Nutrient Availability** – Helps make vital nutrients like Iron and Zinc more readily available throughout the season.
- **Improved Root Structure** – Highly effective in colonizing plant roots.
- **Reduced Stress in the Crop** – Positively regulates plant respiration during times of stress.
- **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.

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



* Read and follow all labeled instructions

Yield Per Acre





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 kelp 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

Characteristics →	Purpose	Active Ingredients	Nutrients	Watch-Outs	Biological or BioStimulant
Carry-R	Soy protein amino acid polymer used to coat seed or 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
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	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 freezing For Foliar application (not in-furrow)	BioFertilizer
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	
NutriPhi	Stalk degradation/Soil Remediation Manure/Compost Management	Bacillus Pseudomonas Arthobacter Actinomycetes			Both
Phenom	Nitrogen fixation and increased phosphorus efficiency	Pseudomonas siliginis Curtobacterium salicaceae		Watch high salt fertilizer and strong infurrow micronutrient mixes, mix and plant or spray within 4 to 8 hours	Biological
Rizosphere	Food for soil microbes increasing the aeration of the soil; promotes a better environment for root development and overall plant health.	3 natural growth hormones Thyme oil Essential organic compounds	70 micro-nutrients (see label for complete list)	See label for full details on rates for different crops and applications	Both
Soy30	High concentrate premium nitrogen fixing nodule production on soybeans	Bradyrhizobium japonicum bacteria		30 day life on seed	Biological
SoyFx	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%		



Carry-R™ Foliar

Carry-R Foliar was designed as a soy protein based wettable powder to deliver plant necessary inclusions effectively and efficiently for the farmer. Carry-R was 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.

- **Catalyst to Plant Growth and Development** – abundant in micro-nutrients and essential elements such as NPK, Carry-R is also rich in vitamins, amino acids, and phytohormones.
- **Advancing Regenerative Ag** – ingredients in Carry-R are renewable and sustainable, contributing back to American farmers.
- **Improved Soil Fertility** – Offers N and P levels higher than traditional cow dung manure as a soil amendment directly on the soil.
- **Enhanced Sugar Creation and Nutrient Uptake** – brings increased resilience to abiotic stressors such as drought and biotic stressors such as disease and insects keeping your crop utilizing its energy for yield.
- **Can Help Regulate Development** – microalgal phytohormones serve as plant bio-stimulants with signaling molecules that can regulate different facets of growth and development.
- **Perfect Inclusion Carrier** – Amino acids from the patented soy protein base provide a foot source to any microbes you may add to your foliar mix.
- **Extended Suspension Time** – will stay in suspension for up to 7 days without settling out. Really!
- **Clean and Safe for You** – allows you to handle and breathe with your safety and health in mind. Just add it to water.

Available as a Foliar (F) application at 2 oz. per acre.

* Read and follow all labeled instructions

ST	LiF	F	Shelf Life	Starters	UAN	PGRs	Herbi-cides	Glypho-sate	Pesti-cides	Insecti-cides	Fungi-cides	Labeled Crop
0.5 oz/unit		2 oz/acre	3 or more years									Any
	0.8 oz/acre	0.8 oz/acre		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
		1-2 quarts/acre with 15 gal over stalks			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Soil Broadcast applied
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												Soybeans
	32 oz/acre	32 oz/acre		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Any

Nutriquire, SoyFX™ and Soy 30

Available for early order. Ask for details.

TO ORDER

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



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!

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.

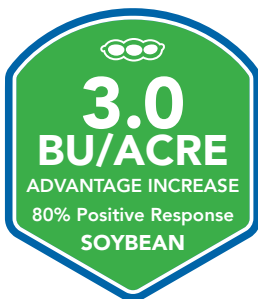
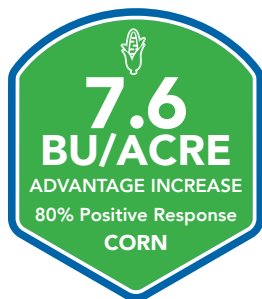
—LYNN WALTON



**INCREASED
YIELDS AVERAGING 17%**

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



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.)



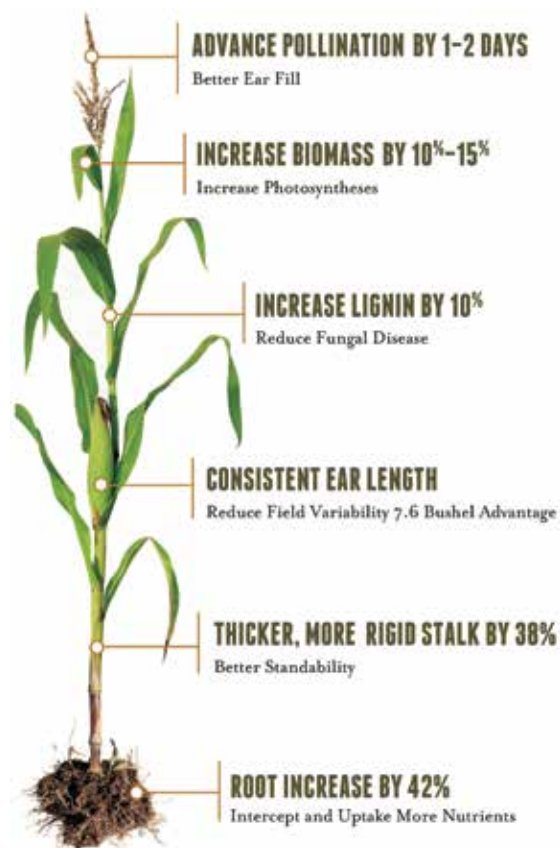
Corn on right was treated with Yield Igniter. making them less susceptible to damaging winds.
(Image has not been manipulated.)

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 tilth. 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

TO ORDER

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



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.

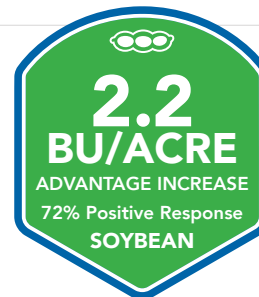
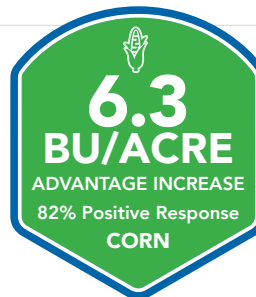
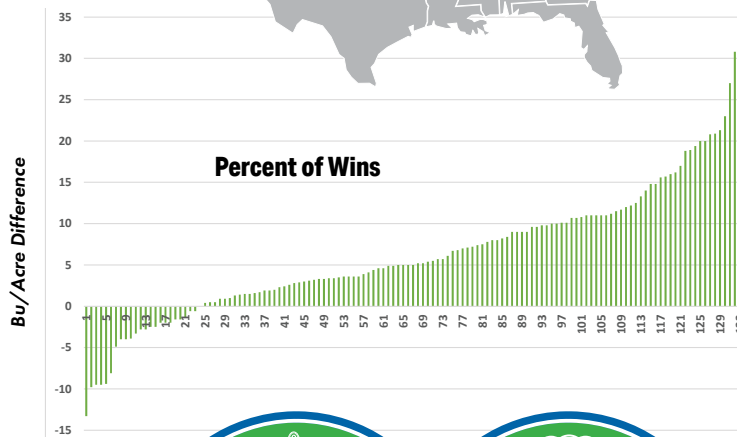
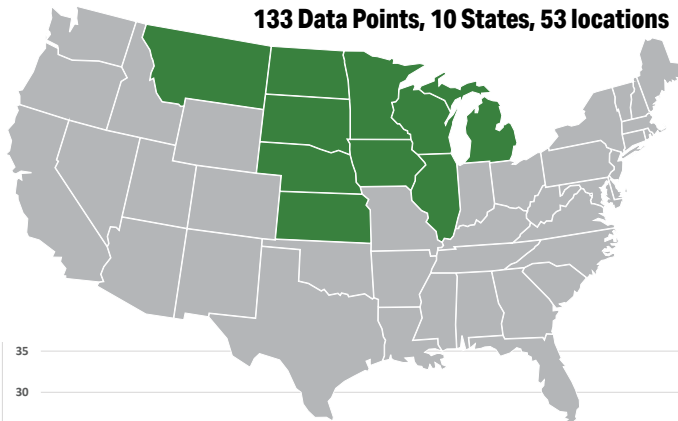
Envita Systemic Nitrogen Fixation is a patented technology that enables it to deliver reliable and consistent fixes of nitrogen into the treated crop. Envita's systemic activities result in improved soil fertility, increased plant growth, and greater yields.

- **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)

* Read and follow all labeled instructions

133 Data Points, 10 States, 53 locations



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

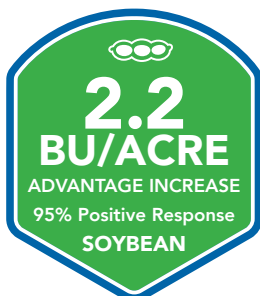
Phenom is a blend of 2 endophyte microbials that live inside the plant and not in the soil. Nitrogen can be lost by leaching, denitrification, and volatilization. Depending on your soil pH, up to 50% of the phosphorus in the soil is not available. By fixing atmospheric nitrogen and increasing phosphorus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

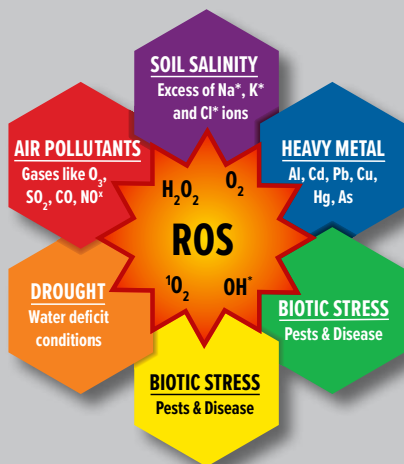


* Read and follow all labeled instructions



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).



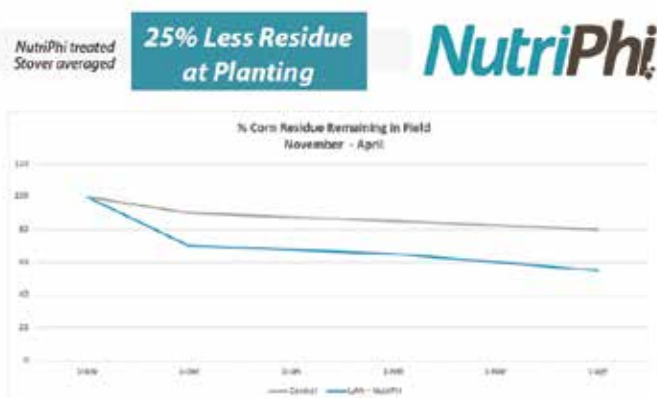
As farmers shift to greater plant populations, root systems will decrease in size and require better management to reach maximum yield. "On average, we lose 2.5% of our root mass per plant for every 1,000-plant increase in population," Sible says. "We are planting 400 more plants per acre a year, which 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



- 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 (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.

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: MidAgSource
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




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



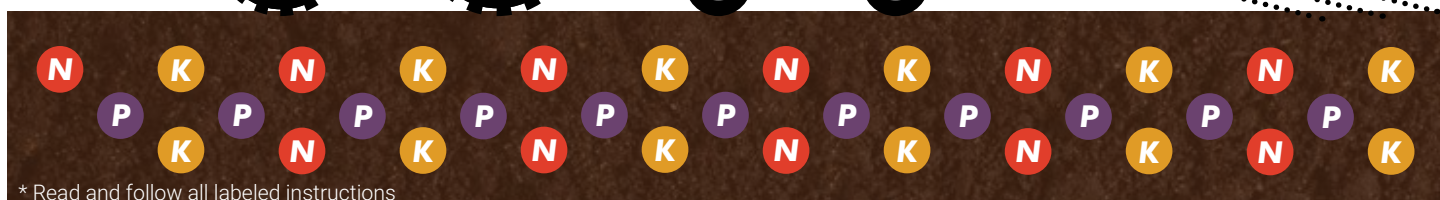
BEEF		
Size of Herd	Application/ Month	Total Gal/Year
100	10 gal	120 gal
500	50 gal	600 gal
1,000	100 gal	1,200 gal



- 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

TO ORDER

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



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)



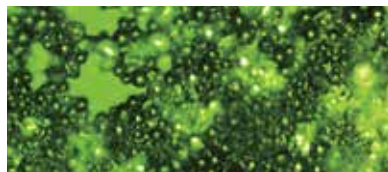
KEEP OUT OF REACH OF CHILDREN * Read and follow all labeled instructions

"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



Grown Organically

Mircoencapsulated time release capsules.



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.)



* 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.



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.

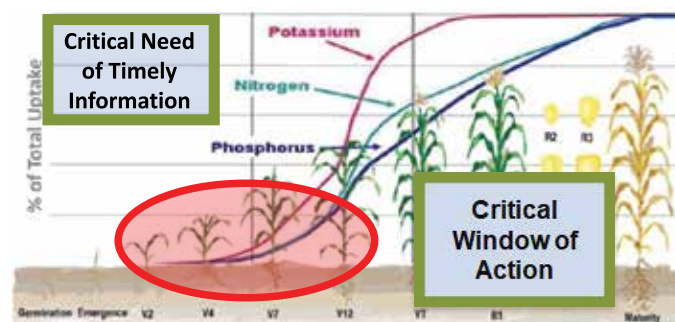
- **Make decisions quicker** - it removes the time delay to achieve a crop's production potential with faster, targeted corrective actions while improving nutrient and environmental stewardship. LeafTech provides analysis in 3-5 minutes as compared to 5-7 days waiting for results from a lab.
- **Make 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



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.

NewFields Ag Financing

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


















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




Pre-Plant

- | | | | |
|---|----------------------|---|-----------|
|  | Nutriquire |  | Growthful |
|  | Yield Igniter |  | PheNom ST |
|  | Soy _{fx} SC |  | Soy 30 |
|  | B4 ST |  | DriFecta |











Planting

- | | | | |
|--|--------------------------|---|------------------------------|
|  | Dust |  | Hono-R |
|  | Dust+B4 |  | Nutriquire+DUST+Terrasym 401 |
|  | Bolst-R |  | Nutriquire+DUST+Terrasym 450 |
|  | Provid-R Corn |  | Bio-Stealth with Provid-R |
|  | Provid-R Soybeans |  | MycoGold + DUST for Soybeans |
|  | MycoGold + DUST for Corn |  | Frenzy |
|  | Rizosphere |  | Envita |
|  | Soy _{fx} |  | Phenom |
|  | Nutriquire |  | Growthful |

Post Harvest

- | | |
|---|---------------|
|  | NutriPhi |
|  | Yield Igniter |
|  | Nutriquire |

Post Emergence

- | | | | |
|--|------------|---|-------------------|
|  | Frenzy |  | Soy _{fx} |
|  | Rizosphere |  | Nutriquire |
|  | Envita |  | Growthful |
|  | PheNom |  | Yield Igniter |
|  | Carry-R |  | Forti-5 PAAC |

Increased Performance Through Biological Synergy	Product(s)	Grower			
	(Example of Products)	Required	Incentive		
	(Use any combination that is best for your operation)	Acres	Discount		
	product(s)	1-999			
	product(s)	Combination of 1000			
Buy 1 + product mix from the Performance Driven Input Wheel					
Buy 1 product from the Performance Driven Input Wheel					
Buy 2 products from 2 Sections of the Performance Driven Input Wheel	product 1	Combination of 1000			
	product 2				
Buy 3 products from 3 Sections of the Performance Driven Input Wheel	product 1				
	product 2	Combination of 1000			
	product 3				
Buy 4 products from each Section of the Performance Driven Input Wheel	product 1				
	product 2	Combination of 1000			
	product 3				
	product 4				

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.

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



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