



***Dave's Crop
Service, LLC***

LOCAL AGRICULTURAL SOLUTIONS

Crops | Livestock | Facilities

2026 PRODUCT GUIDE

SAFE SOLUTIONS. STRONG RESULTS.

Wellman, Iowa | (319) 530-1765 | davescroppservicellc.com



Our Story

Dave's Crop Service LLC was founded by David in 2023 with a clear purpose: to help farmers achieve better grain yields and raise healthier livestock.

Built on practical agricultural experience and a commitment to local producers, the business provides dependable products, honest guidance, and personal service for today's farming operations.

What We Offer

- Xitavo soybean seed
- Wyffels Hybrids seed corn
- Harvest Haven Seed products
- Biological products
- Disinfectants
- Insect-killing and repellent products

Our Commitment

Trustworthy products, practical support, and solutions selected to promote healthier crops, healthier livestock, cleaner facilities, and stronger results.



**Dave's Crop
Service, LLC**

Dave's Crop Service LLC

1555 180th Street
Wellman, Iowa 52356

Cell: 1 (319) 530-1765

davecropservicellc2023@gmail.com

SAFE SOLUTIONS. STRONG RESULTS.

Table of Contents



AgPoint Branded Products

AgPoint Seed Treatments	Pg 4
EmberMax	Pg 5
KPoint	Pg 6
BioBrix	Pg 7
WaterPoint	Pg 8
ClearPoint	Pg 8
BlackMax	Pg 9
AlphaMax	Pg 9
CalPoint	Pg 10

Agronomy Services

Earth Optics	Pg 11
SentinelAg	Pg 12

Seed

LG, Stine, Jacobsen, Bass Hybrids, Viking & Blue River	Pg 14
---	-------

Nutrients & Biologicals

NewFields Ag	Pg 15
Piksi Dust	Pg 26
QLF Agronomy	Pg 27
Reclaim	Pg 29
NutriCharge	Pg 32
NeuNutri	Pg 34

Equipment

Prairie Grain Analyzers	Pg 35
Martin-Till	Pg 37
Duck Foot	Pg 37
Wear Parts	Pg 37

Your Local Product Partner

Seed, biologicals, crop inputs, livestock products, disinfectant, insect control, and equipment - backed by local service.

ASK DAVE

(319) 530-1765

davescropserviceilc.com

**SAFE SOLUTIONS.
STRONG RESULTS.**

1555 180th Street
Wellman, Iowa 52356



OPTIMUM PERFORMANCE THROUGH CUSTOMIZED SOLUTIONS

AGPOINT PROTECT ST

PROVEN PERFORMANCE. SIMPLE APPLICATION.

Two fungicides and insecticide

Protection against major in-season stressors

Application Rate: 3.60 oz/cwt
1 Gallon Treats 77.58 50# Units

	Diseases										Insects		
	Pod and Stem Blight (Diaporthe, Phomopsis)	Aspergillus and Penicillium Seed Rot	Pythium Damping Off	Rhizoctonia Damping Off	Pythium and Rhizoctonia Seed Rot and Seeding Blight	Seed Decay Fungi	Fusarium Damping Off, Seed Rot and Seeding Blight	Phytophthora	Sudden Death Syndrome	White Mold	Seed Corn Maggots, White Grubs, Wireworm	Aphids, Bean Leaf Beetle, Thrips	Soybean Cyst Nematode
AGPOINT PROTECT ST													
Individual Components													
Fludioxonil 4#													
Mefenoxam 4.1# Standard													
Imidacloprid 5#													
Germate Plus		S	S			S	S						S

Germate Plus ST™

Growth Stimulator

Germate Plus ST™ seed treatment empowers growers to realize higher yield by investing in their seeds, realizing benefits from planting through harvest.

TARGETED DEFENSE

- **Nematodes**
Significant suppression of pathogenic adult nematodes and eggs
- **Pathogenic Fungi**
Controls harmful fungi, increasing successful seed germination



Fusarium

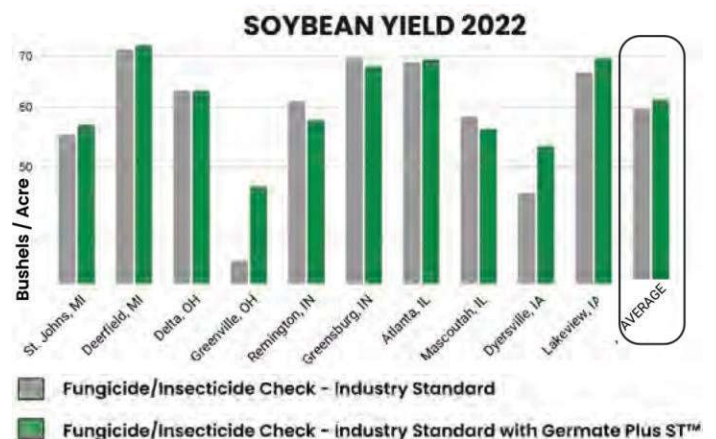


Pythium



Rhizoctonia

YIELD ADVANTAGE



Average Increase

1.55 Bu / Acre

ROI >15:1



EMBERMAX



EmberMAX is a OMRI™ certified pyroligneous acid, liquid plant growth enhancer.

Comprised of naturally derived materials found through pyrolysis of natural hard woods.

Contains naturally derived **3.0% Fulvic Acid** liquid solution, a terrific driving agent and contributor to overall plant health.

This product can be used in both *crop protection* and *plant nutrition application*.



EmberMax In-Lab Germination Test



Control



EMBERMAX



Control

EMBERMAX

Product Benefits:

- Industry leading multi-use innovation
- PH Adjuster
- Plant Growth Enhancer with natural plant health hormones
- Increased germination
- Use with herbicides, fungicides and insecticides to help them perform optimally



KPOINT

KPoint 0-0-22 is a highly soluble potassium solution with superior absorption over traditional forms of potassium.

Potassium solution for foliar applications.

Due to small molecule size and the plant's natural affinity for organic acids, KPoint has been proven to have up to 5 times the foliar uptake of traditional forms of potassium.

Up to 43% of the potassium can be absorbed by the plant within 48 hours vs. 9.5% with KTS.

KPoint is a high purity plant/animal feed nutrient manufactured entirely from food grade potassium hydroxide and is free of heavy metal contaminants.

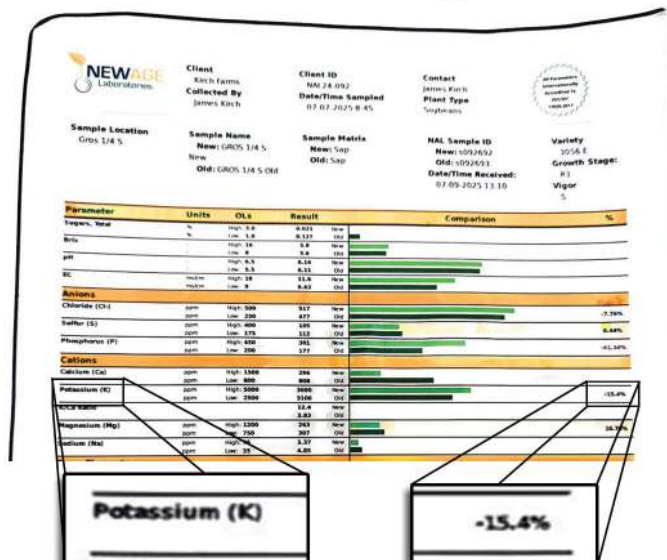
Lower PH point compared to potassium acetate

Application: Apply 1-3 gallons/acre in 8+ gallons of water in spray solution on row crops in foliar application.

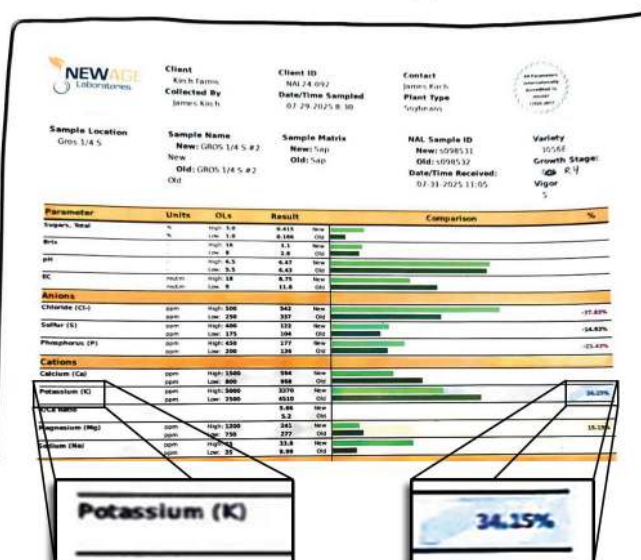


KPoint SAP Test Results – Potassium

R3 – Before KPoint Application



R4 – After KPoint Application



SAP Test complete by NEWAGE Laboratories on Kirch Farms shows a **49.55% increase** in Potassium after 96oz of KPoint applied at R3



BioBrix is a combination of fructose and dextrose sugars.

61% sugar content - Will not freeze to temps of -30°

11.23 #/gal = 1.4 pounds/pint

6.85 # of sugar / gallon = .86 # of sugar / pint

20 liquid oz of BioBrix = 1 dry # of sugar

In-furrow at Planting Time: 1-2 qt / ac.

Applied in-furrow as a source of quick carbon consumption for feeding and increasing the population of bacteria and soil microorganisms in soils.

Enhanced decomposition of soil organic matter occurs, resulting in the increased release of soil minerals necessary for healthy plant production.

This application will help alleviate early plant root stress, as in cold wet conditions, where seedlings are unable to produce enough proteins and sugars to meet their needs.

Only a small amount of row placed BioBrix, 1 quart (1.5 - 3 pounds per acre), is warranted since high concentrations can increase soil pathogen activity.

BioBrix is compatible with virtually any starter fertilizer, always jar test compatibility.

Foliar Applications - Enhanced Photosynthesis: 1-3 pt / ac

Applied as a foliar to enhance the natural plant production of sugars resulting from photosynthesis. This supplies sugar/energy and carbon to the plant and stimulates the plant's natural food production and stimulates the roots.

BioBrix can be applied at the rate of 1.5 - 3 pounds (1-2 pints) per acre as a foliar along with other products such as glyphosate (and other herbicides), fertilizers, fungicides, or pesticides.





WaterPoint is a specialty water pretreatment that binds minerals like calcium and other minerals in hard water.

Binds calcium, magnesium, iron and copper to prevent tie-up with herbicides, fertilizers, and biologicals - protecting their effectiveness.

Improves spray performance by reducing insoluble solids that can clog nozzles and disrupt uniform application.

Prevents scale buildup in irrigation systems by neutralizing hard water elements before they cause problems.

Can also be used to prep water for mixing fertilizers, biologicals, and pesticides to maximize performance.



Application Guidelines

Recommended rates will vary based on water source and hardness

Rural Water Systems:

For rural water systems, use WaterPoint at 8 oz. per 100 gallons of water. If your tank mix includes biological products, it is also necessary to add ClearPoint as a Chlorine neutralizer at 4 oz. per 100 gal.

Well Water Systems (shallow or deep):

Use 8 oz. per 100 gallons. If water is extremely hard or contains high levels of heavy metals like Copper, increase the rate to 12 oz. per 100 gallons for best results.



ClearPoint is a water pretreatment that neutralizes chlorine in treated water sources

Neutralizes chlorine in city and rural water, protecting biological products from damage during application.

Helps maintain microbial activity and integrity in tank mixes that include biologicals.

Supports plant health by converting chlorine into a safe form (chloride), which is actually a usable plant nutrient, beneficial to plants and microbes.

Highly effective at low rates, helping ensure your inputs work like they should- without interference from treated water.



Application Guidelines

For most applications, a rate of 2 to 4 oz. per 100 gallons of water is sufficient.



BlackMax is a humic-based soil conditioner designed to reduce compaction, improve soil health, and enhance nutrient availability.



Breaks up soil compaction and promotes deeper root growth.
Improves soil structure and water infiltration for better overall plant health.
Enhances microbial activity and nutrient uptake, especially of micros.
Aids in the breakdown of crop residue and organic matter.
Tank-mix friendly for easy integration into spring and fall programs

Application Guidelines

General Soil Conditioning: Apply **2 quarts per acre**, either in early spring or fall.

Foliar or Residue Management: Use **1 quart per acre**, ideally alongside nitrogen or other fertility products.

High-Yield Programs: Apply **in-furrow, 2x2, or Y-drop** at **1-2 gallons per acre**, depending on crop stage and soil goals.



**Specially formulated nutrient pack to help with alfalfa plant regrowth after each cutting.
More information coming soon!**





CALPOINT

Fast-Acting Liquid Calcium

CalPoint is a highly soluble liquid calcium designed to quickly correct calcium deficiencies and improve nutrient transport more effectively than traditional lime. It delivers immediately available calcium to the plant, bypassing the slow breakdown process of ag lime.

Key Benefits:

Provides immediately available, plant-usable calcium for fast uptake
Improves cell wall strength, root development, and overall plant vigor
Enhances nutrient transport and reduces calcium-related disorders
Works more efficiently than lime—even in soils with adequate pH but hidden deficiencies
Compatible with most soil-applied herbicides and fertilizer blends (excluding phosphorus-based products)
Can be applied via soil, foliar, fertigation, or tank-mixed with standard sprayer setups

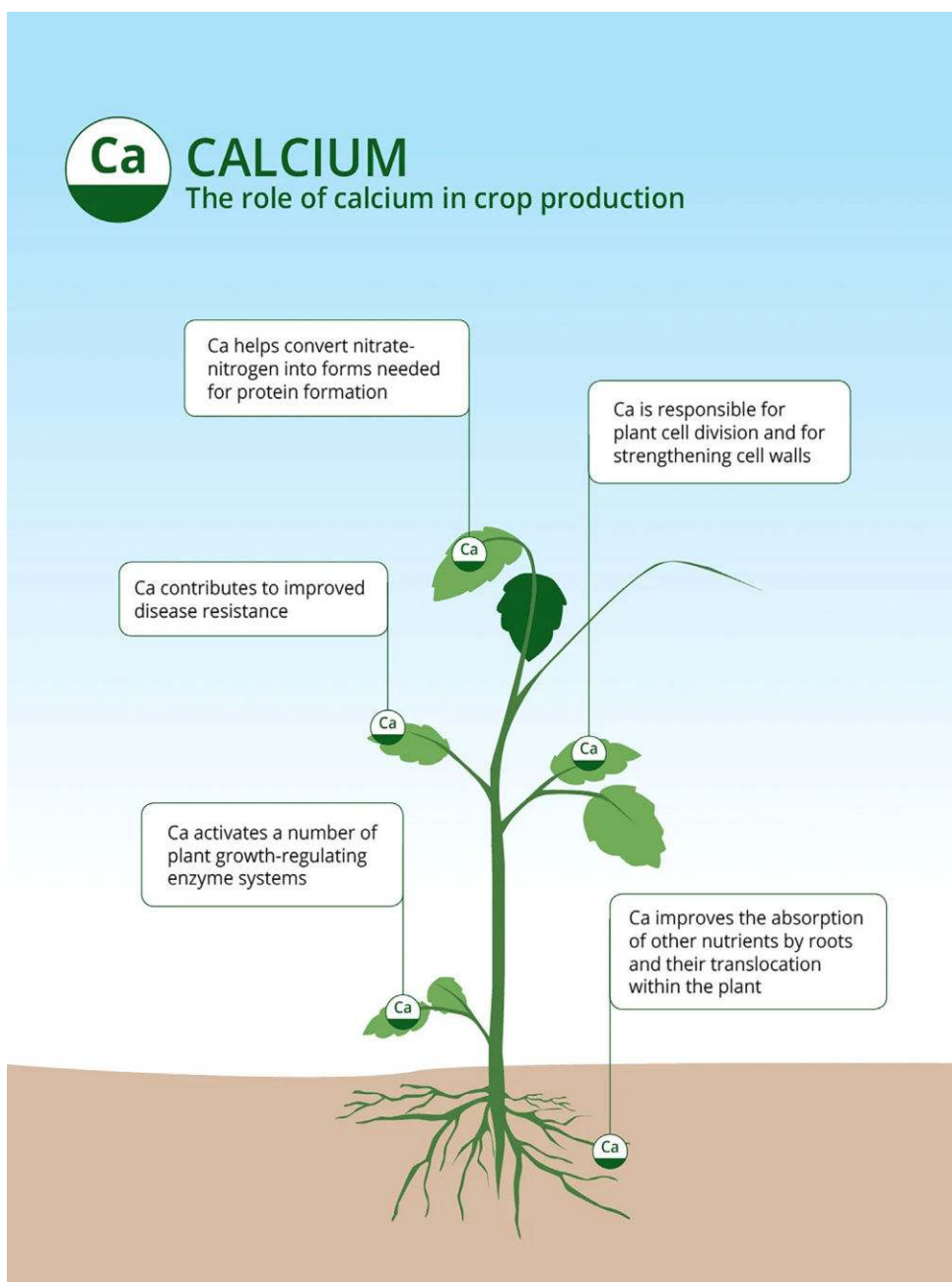
Application Instructions:

Soil Application: 2–5 gallons per acre

Foliar Application: 1–3 gallons per acre

With Liquid Nitrogen: 2–5 gallons per acre (adds stabilizing effect)
Can be applied through standard sprayers, aerial equipment, or irrigation/fertigation systems.

Do not mix with glyphosate, 2,4-D Amine, or any fertilizers containing phosphorus or sulfates. Always conduct a jar test when combining with other inputs.



Agronomy Services



EARTHOPTICS

Leading the digital revolution in soil

EarthOptics combines advanced field sensors and lab analysis to deliver the most complete view of your soil's potential. By measuring the physical, chemical, and biological properties, we can help you predict and plan to maximize soil health and profitability.

Unlike conventional testing, we can deliver comprehensive insights with significantly fewer samples, greater accuracy, and a much lower cost.



Agronomic Planning

Providing analytics and insights

Find out how to use our analytics for predictive crop planning and scripting, creating a nutrient management plan, and in-season predictive scouting.



If you really want to see your soil, you have to get your hands dirty.

360 PRO: Total Farm Program

Introducing the most advanced nutrient analysis and fertility management available on the market for \$4/acre. Learn more about the program and enter to win a Can-Am Side-by-Side.



Carbon Planning

Complete carbon measurement

Learn about our leading reporting protocol, comprehensive carbon management programs, and carbon credit planning, as well as what it takes to build a sustainability program.

Unlocking Yield with 360 PRO

Our soil analysis provides a complete view of your field's biological, physical, and chemical profile. Results are delivered through our dashboard, which provides comprehensive information on some of the most damaging below-ground pests, diseases, biofertility measures, and a high-resolution look at your field's nutrients.





End the guesswork – **let your crop guide your nitrogen plan.**

Sentinel's Story



Nitrogen is elusive and nitrogen management decisions are consequential. Nitrogen is essential for yield and under- or over-applying can impact the bottom line. Backed by funding from the Nebraska Corn Board and other partners, **Sentinel Founder Jackson Stansell developed Sentinel's technology alongside Nebraska corn farmers and proved it in their fields.** Sentinel is on a mission to empower farm profitability and efficiency. To date **Sentinel has put over \$4 million back in farmer's pockets and eliminated 3 million pounds of unnecessary nitrogen applications.**

The SENTINEL Difference

No nitrogen credits or yield goals. We do not believe in accounting for every source of nitrogen, we believe in ensuring your crop has the nitrogen it needs to perform most profitably - even when your yield potential is higher than anticipated.

Pre-visible demand detection. Sentinel identifies approaching demand before your eye can ensuring you are always a step ahead.

Variety- and site-specific recommendations. Sentinel calibrates for actual crop response to nitrogen and uses the plant to integrate soil availability and crop demand into a single metric - the Sufficiency Index (SI).

High-resolution, near-daily insights with no in-field labor. Get a complete view of your field alongside simplified insights without collecting tissue or soil samples frequently.

Rapid field configuration. Sentinel requires only a field boundary to get started and fits directly into your fertilizer program.



DATA

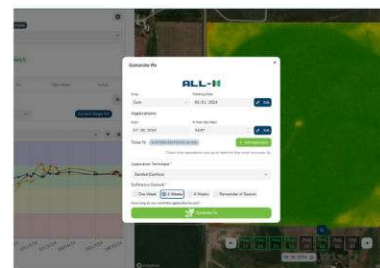
Sentinel leverages multiple data sources to measure crop performance. **Imagery, Soils, Topography, Weather, Operations, and more!** Sentinel manages procurement for most data layers and also allows data uploads.



INSIGHTS

Sentinel automatically analyzes the data to produce insights that:

- **Isolate crop nitrogen response** and performance impact.
- **Measure and forecast N sufficiency and demand**



DECISIONS

Sentinel provides tools that help you make important decisions.

- **Apply or Do Not Apply**
- **Optimal Rate, Date, Product**
- Which field(s) to prioritize
- Site-specific rates
- Final decisions are in your hands!

Every operation has different needs and capabilities. That's why we provide Sentinel Standard, Advanced, and Complete. Whether you are just starting out with nitrogen management, you want better forecasting and modeled demand, or you want to expand Sentinel's insights to more nutrients, we've got a tier to match.



Feature	Standard	Advanced	Complete
Image Frequency*	Near-Weekly	Near-Daily	Near-Daily
Image Resolution	10 m/pixel	3 m/pixel	3 m/pixel
Image Data	RGB/NDRE/NDVI	RGB & All VI's	RGB & All VI's
Nutrient Planning	User Equations	Equations & Model	Equations/Model/Auto
Plannable Nutrients	N	N	N/P/K/S
N-Time [®] Sufficiency Insights	N	N	N/S
Application Advisor	Rate/Timing/Rec	Rate/Timing/Decision Guide	Rate/Timing/Complete Product Analysis
Demand Forecasts	-	Single Model	Ensemble
PGR/Defoliant Rx	-	Yes	Yes
Weather	Historical & 14-Day	Hist./14-Day/Extended	All + Seasonal

CROPS SERVED

- Corn | Sweet Corn | Popcorn | Wheat | Sorghum | Oats | Rye | Barley | Millet | Rice | Other Cereal Grains
- Canola | Cotton | Potatoes | Sugarbeets | Sugarcane | Sunflower | Forages

Results

ON-FARM RESEARCH OUTCOMES

246 bu/ac
Average Yield

0.59 lb-N/bu
Average NUE

\$23.79/ac
Average Profit Boost

COMMERCIAL OUTCOMES

246 bu/ac
Average Yield

0.69 lb-N/bu
Average NUE

98%
NUE Win Rate

**2023 NCGA Yield Contest Class J
(Nitrogen Management Class) Winner**

**Nick Preissler 313 bu/ac, 178.4 lb-N/ac,
0.57 NUE**

"Sentinel has given us the confidence to cut nitrogen levels to areas we would never have tried before. Jackson and his team have developed a nitrogen management framework that gives us 100% confidence that we will not run short of nitrogen. Sentinel is going to help us achieve ultimate efficiency in nitrogen use."

- Dave Preissler, Cornhusker Farms



SENTINELAG

1071 County Road G
Ithaca, NE 68033
info@sentinelag.tech



Seed



Scan the QR code to learn more about our seed offerings



Nutrients & Biologicals



Scan to view
the entire
New Fields
Ag Product
Guide:



Scan for more
information.



DUST™

PAGE 15

(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

<u>DUST</u>	<u>Talc/Graphite</u>
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.





FIFRA
25b



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



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.)

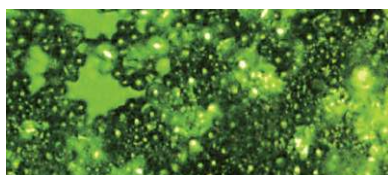


Scan for more information.

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.



Scan for more information.



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

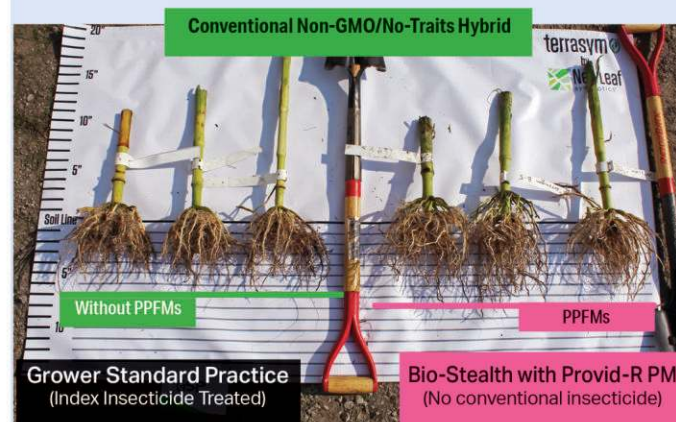
Bio-Stealth™ with Provid-R PM Corn™

NEW to the NewFields Ag BioStax™ lineup!

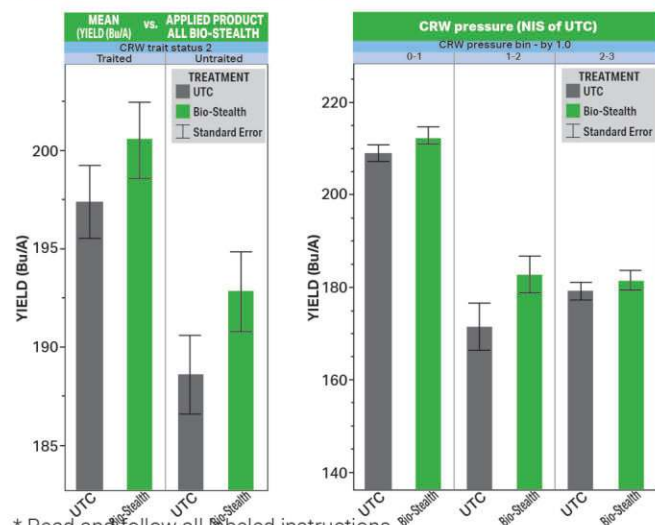
- **Root Regrowth After Larval Pruning** - In situations where roots are fully pruned by larval feeding, Provid-R PM-treated roots demonstrate aggressive re-growth at the site of damage.
- **Season-Long Biocontrol Protection**
 - Novel mode of action for insect biocontrol
 - Excellent complement to other 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 TECHNOLOGY ENHANCES THE ROOT STRUCTURE, EVEN WHEN UNDER ROOTWORM PRESSURE:

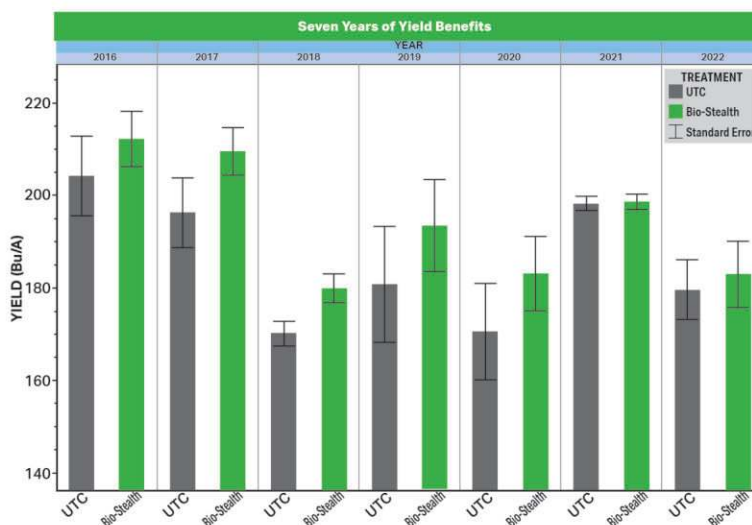
- Longer root, further soil depth and anchorage
- Broader circumference of root, greater standability



SEVEN YEARS OF YIELD DATA



* Read and follow all labeled instructions





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

Part of Our



Scan for more information.



B4



terrasym



* Read and follow all labeled instructions

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.

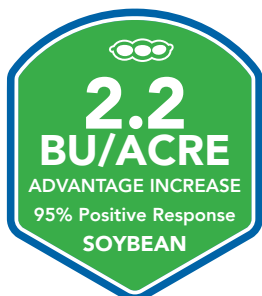
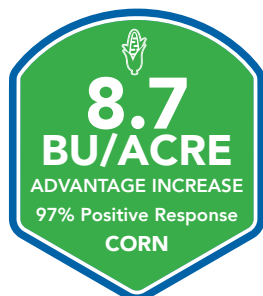
- **Improved Soil Microbiology:** MicroAlgae feeds beneficial soil microbes, increasing their activity and population. These microbes help in nutrient cycling, breaking down organic matter, and making nutrients more available in the soil.
- **Increased Water Retention:** The organic components improve 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.

Also available **Vict-R PM.**



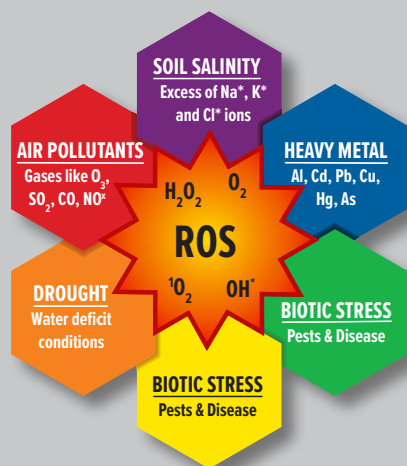


Scan for more information.



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



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.

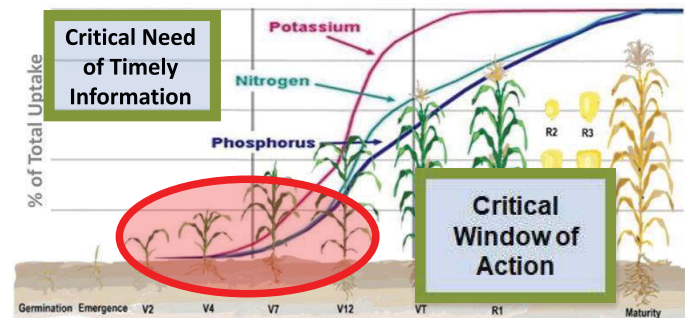
- **Make decisions quicker** - it removes the time delay to achieve a crop's production potential with faster, targeted corrective actions while improving nutrient and environmental stewardship. LeafTech provides analysis in 3-5 minutes as compared to 5-7 days waiting for results from a lab.
- **Make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





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.



* Read and follow all labeled instructions



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.





Photo below shows N Bolst-R on seed.



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.

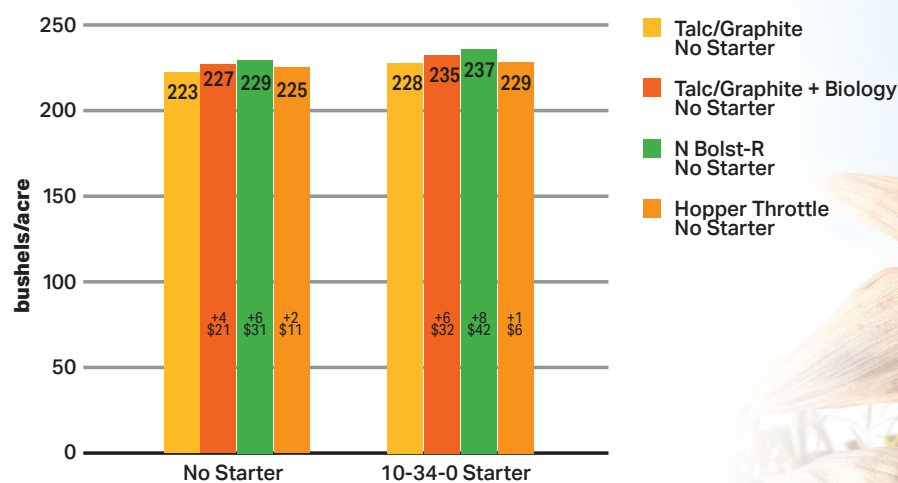
- **Increased Nitrogen Availability** – Soil microbes feed your crops season long by improving nitrogen availability.
- **Improved Root Structure** – Field studies show bigger root surface area, root diameter, number of root tips/volume, and total root length.
- **Improved Phosphorus and Potassium Efficiency** – 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.



* Read and follow all labeled instructions

Yield Per Acre



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





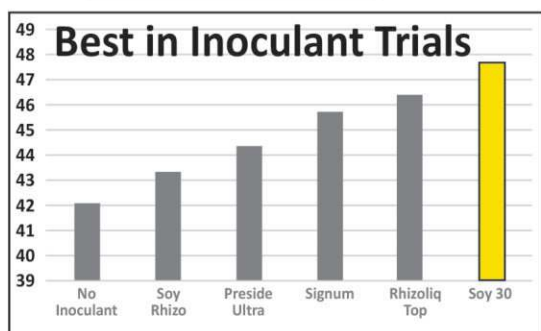
Bio Barge treats 43,200 u



Scan for more information.



Soy30 treated soybean plants



* Read and follow all labeled instructions

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.



Scan for more information.

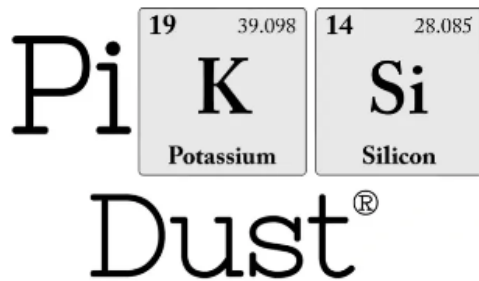
Dri-Fecta

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.

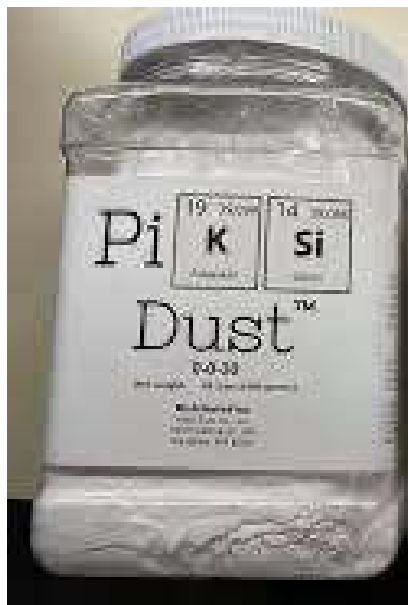
- **Application** can be on seed with the aid of commercial applicators specifically designed for accurate application of dry bulk simultaneously with liquid seed applied technologies. We do not recommend using Dri-Fecta in liquid slurries.
- **Dri-Fecta** can be used with other polymers to promote adherence 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

Growers See the Difference!





PiKSi Dust is a foliar fertilizer and food source. This biological elixir was designed to enhance plant vigor and reduce lodging by improving the cellular structure and stalk strength of every crop. PiKSi perfectly accompanies other starter and pop-up fertilizers, performing particularly well with soybeans, wheat, barley, and sugarcane crops. Potassium silicate significantly reduces biotic and abiotic plant stressors.



PiKSi Dust® Results

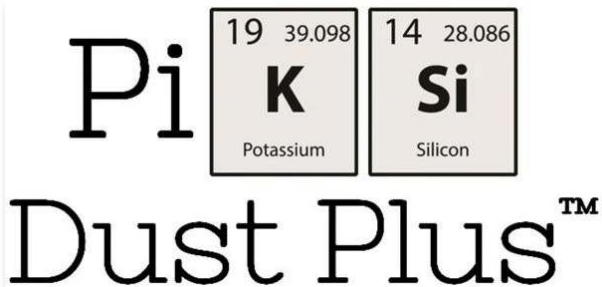
Grower Name	State	Year	Crop	Difference
Scott Wettstein	ND	2015	Corn	+8
Josh Riley	WI	2016	Corn	+9
Doug Carlin	OH	2017	Corn	+14
Doug Carlin	OH	2017	Corn	+16
Josh Cederburg	NE	2017	Corn	+5
Josh Cederburg	NE	2017	Corn	-5
Eric Hasselstrom	ID	2017	Kentucky Bluegrass	2 less fungicide passes
Ryan Fitzsimonds	ND	2018	Spring Wheat	+4.6
Josh Messer	ND	2019	Corn	+5 (vs Ascend)
Wade Thornburg	NE	2020	Corn	+3
Wade Thornburg	NE	2020	Corn	+10

SOIL-SPECIFIC BENEFITS:

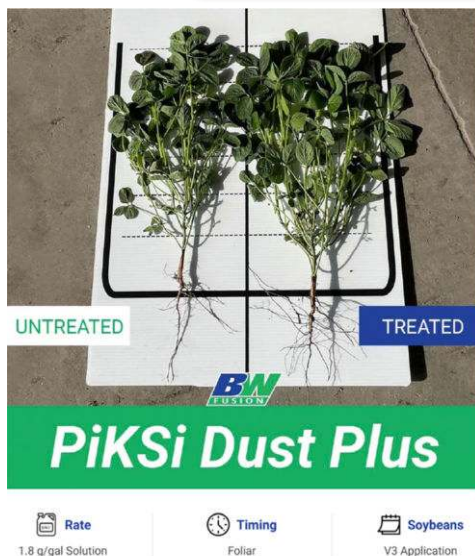
Reduce toxicity of excess manganese, iron, and aluminum in the soil
Increase phosphorus availability to plants

CROP-SPECIFIC BENEFITS:

Reduce the severity of powdery mildew
Increase chlorophyll content



PiKSi Dust Plus is a best-in-class plant stress reducer - using a beneficial potassium silica product to build robust cellular structures in any crop. After years of studies and farm trials, BW-Fusion recognized the facilitating capacity of potassium and calcium in supporting vital nutrient uptake. This one-of-a-kind product brings new solutions to old challenges - facilitating healthy growth in depleted soils and reducing the stresses of extreme weather events that suppress yields. PiKSi Dust Plus has been proven in plate counts as a phenomenal food source for other Fusion biological products - making it the perfect addition to any crop or growth cycle. Independent, third-party data showed a 7-bushel yield increase at harvest when applied to soybeans with a V3 foliar application.



PiKSi Dust PLUS™ Results

Grower Name	State	Year	Crop	Timing	Difference
Josh Riley	WI	2019	Soybeans	V3	+7
Matthew Adrian	MN	2020	Soybeans	R3	+2
Josh Riley	WI	2020	Soybeans	V3	+10
John Prasil	IA	2020	Soybeans	V3	+7
Tom Sieren	IA	2020	Soybeans	V3	+6
Matt Raasch	IA	2020	Soybeans	R2	+4.5

CROP-SPECIFIC BENEFITS:

Facilitate nutrient uptake in depleted or arid soils
Increase soybean yields by up to 7-bushels at harvest
Reduce the challenges of stress events

PiKSi Dust Plus is suitable for all legume crops and shows proven results when used with a foliar appli-



L-CBF Amino 15-0-1 Nitrogen

QLF Agronomy L-CBF AMINO 15-0-1 (liquid carbon based fertilizer) is a combination of balanced crop nutrients with complex carbon sources. It contains three sources of nitrogen (Amino, Urea, & Ammoniacal) L-CBF AMINO 15-0-1 provides plant available nitrogen to promote higher yields and overall plant health.

Product Features

- 15% N, 0% P, 1%K
- Multiple Forms of Nitrogen
- QLF Sugar Cane Molasses, 10% Sugar
- Fermentation Yeast Extract

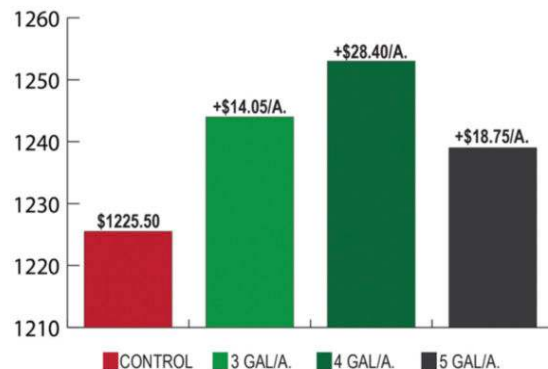
Product Benefits

- Improved Nutrient Availability
- Enhance Biological Function

Placement

- Foliar Applications

2021 PTI FARM AMINO-15 FOLIAR STUDY: ECONOMICS



RETURN ON INVESTMENT

\$28.40/ACRE

*ROI figured on \$5.00 bu corn.

L-CBF 7-21-3 MKP Starter

QLF Agronomy L-CBF 7-21-3 MKP Starter (liquid carbon based fertilizer) is a combination of balanced crop nutrients with complex carbon sources. Feeding soil biology and enhancing plant nutrient availability. L-CBF 7-21-3 MKP promotes early plant and root growth for stronger starts and higher yields.

Product Features

- 7% N, 21% P, 3%K
- High Orthophosphate Blend
- QLF Sugar Cane Molasses, 7% Sugar
- Fermentation Yeast Extract

Product Benefits

- Improved Nutrient Availability
- Enhance Biological Function

Placement

- In-Furrow
- Banded 2x2
- Foliar Applications

Both sides treated with Dawn Strip Till + banded fertilizer
300 lbs./acre of balanced dry fertilizer blend
10 gal/acre of 28% UAN + 2 gal/acre of BOOST



Control
198 Bushels/Acre
5 gal Water
In Furrow

L-CBF 7-21-3 MKP
210 Bushels/Acre
5 gal/a
In Furrow

DID YOU KNKOW?

QLF Agronomy products are all sourced from high quality cane molasses located in the United States. QLF is the largest buyer of domestic cane molasses. As a result, QLF Agronomy products reveal consistency and accuracy to the producer and their operation.

L-CBF Boost™ 4-0-3-25

QLF Agronomy L-CBF BOOST™ 4-0-3-2S (liquid carbon based fertilizer) is a combination of balanced crop nutrients with complex carbon sources. Feeding soil biology and enhancing plant nutrient availability.

Product Features

- QLF Sugar Cane Molasses, 28% Sugar
- Additional Nitrogen and Sulfur solution
- Fermentation Yeast Extract

Product Benefits

- Improved Nutrient Availability
- Enhance Biological Function
- Proven Track Record and Return on Investment

Placement

- With Other Liquid Fertilizers (ex. UAN, 10-34-0, 9-18-9)
- In-Furrow
- Banded 2×2
- Broadcast
- Side-Dress
- Foliar applications



L-CBF TerraFed 1-0-3

QLF Agronomy L-CBF TerraFed 1-0-3 (liquid carbon based fertilizer) is a combination of balanced crop nutrients with complex carbon sources. QLF's Soil Nutrition Solutions feed soil biology and enhance plant nutrient availability.

Product Features

- QLF Sugar Cane Molasses, 34% Sugar
- Natural Nitrogen and Potassium
- Natural Micronutrients and Microbial Growth Factors
- Natural Chelated Agent and Stabilizer (Citric Acid)
- Fermentation Yeast Extract

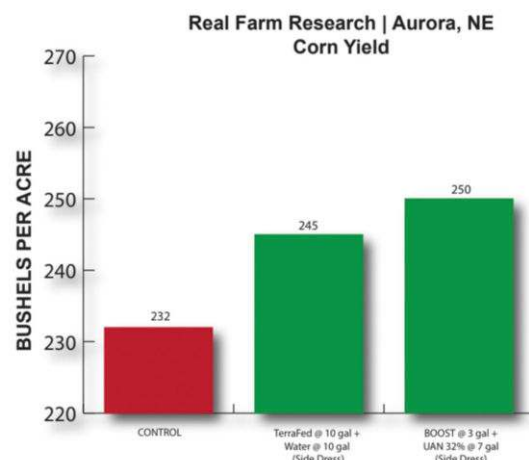


Product Benefits

- Improved Nutrient Availability
- Enhance Biological Function
- OMRI Listed
- WSDA Registered Material for Use in Organic Agriculture Registration
- CDFA Registered Organic Input Material

Placement

- In-furrow
- Broadcast
- Banded 2×2
- Foliar Applications
- Cultivation



L-CBF 5-5-5-MKP Foliar

QLF Agronomy L-CBF 5-5-5-MKP Foliar™ is a complex carbon-based balanced crop fertilizer designed to **positively impact soil biology and enhance nutrient availability**.

Our 5-5-5 MKP Foliar™ works as a great base foliar package, or as a tank partner with other fertility products.

CHARACTERISTICS

- **Superior Consistency:** L-CBF 5-5-5-MKP Foliar™ is manufactured using a domestic grown, sugar sourced from QLF sugar cane molasses, providing a consistent based product directly from the origin to our manufacturing plant.
- **Enhanced Plant & Soil Health:** L-CBF 5-5-5-MKP Foliar™ is a source of complex carbon and unique chemistry to aid in utilization of nutrients essential for plant growth development and health.
- **Monopotassium Phosphate Package:** L-CBF 5-5-5-MKP Foliar™ is a preferred source of Phosphorus and Potassium promoting reproduction, continued root growth, movement of sugars within the plant, and increased quality and yield.
- **Fermentation Yeast Extract:** L-CBF 5-5-5-MKP Foliar™ utilizes a unique source of Phosphorus and Potassium promoting continued root growth, enhanced reproduction, and movement of sugars within the increase quality and yield.



THE PERFECT STAND STARTS WITH RECLAIM™

FOR HEALTHIER, MORE PROFITABLE CROPS

Reclaim™ is designed to break down stubborn crop residue in your field. The powerful microbial consortium in Reclaim™ makes valuable nutrition available to your next crop, while enhancing soil health and reducing reliance on tillage to break down residue. **Reclaim your stand quality and prepare your seedbed for superior, efficient planting.**

Microbial Consortium

Bacillus licheniformis	8.3×10^9
Bacillus coagulans	8.3×10^9
Bacillus subtilis	8.3×10^9
Bacillus pumilis	8.3×10^9
Bacillus megaterium	8.3×10^9
Bacillus amyloliquefaciens	8.3×10^9
Bacillus laterosporus	8.3×10^9
Bacillus macerans	8.3×10^9

Product Benefits

- Improves stand quality.
- Optimizes soil health.
- Releases bound-up nutrients and makes them available to the plant.
- Reduces wear on equipment.
- Reduces reliance on tillage.



#biotillage

Suggested Use Rate & Application Instructions

Reclaim™ is approved for use in both spring and fall applications for maximum nutrient release, soil health improvement and residue management. **Ideal in no-till, strip-till, minimum-till, corn-on-corn and soybean into corn residue environments.**

SUGGESTED USE RATE

Use at a suggested rate of 12.8 oz per acre.

DIRECTIONS FOR USE

For best results, follow soil/tissue test recommendation.

RELATIVE DENSITY: 9.54 lbs/gal



Photos and research supported by Dr. James F. White, Jr., Department of Plant Biology, Rutgers. Visit DirectEnterprises.com for a complete soil health report.

Better Breakdown = Better Stand



Fall-Applied Reclaim™



Water @ day 160



Reclaim™ @ day 160

RECLAIM DELIVERS MORE, "BIGGER," BADDER MICROBES THAN THE COMPETITION.

KNOW THE DIFFERENCE...

As growers across the country look to biological solutions to improve stand quality, prepare their seedbed for superior, efficient planting and ultimately increase yield, many crop residue and nutrient release products are coming available. **Don't be fooled, not all products are created equal...**

Reclaim™'s convenient **12.8 oz/ac use rate** ensures the delivery of more microbes with less impact on your overall tank mix. **No extra filler.**

RECLAIM™	12.8 oz/ac
EXTRACT PBA®	1-2 gal/ac
BW MELTDOWN™	32 oz/ac

Shelf life and storage can be key differences when comparing products.

HOLGANIX BIO 800+ REQUIRES REFRIGERATED STORAGE. RECLAIM™ REMAINS EFFICACIOUS WITHOUT CLIMATE CONTROL OR SPECIAL STORAGE REQUIREMENTS AND MAINTAINS A LONG SHELF LIFE.

Reclaim™ offers 8 specifically-chosen species of **hearty, proprietary microbes, sporulated for durability and longevity**, at a concentration much higher than competitors...

RECLAIM™	8 SPECIES	8.3×10^9
EXCAVATOR®	5 SPECIES	5.5×10^8
EXTRACT PBA®	3 SPECIES	1.0×10^3

The patented sporulation process in **Reclaim** ensures the microbes can withstand stress and offers compatibility with tank mix partners. Some competitive products have storage restrictions and tank mix limitations, because their microbes just aren't as tough.

BW MELTDOWN™ CANNOT BE USED WITH AMS/GLYPHOSATE. RECLAIM™ IS FULLY COMPATIBLE AND DESIGNED TO BE INCLUDED IN YOUR SINGLE PASS THROUGH THE FIELD.



ELIMINATE WASTEFUL EXPENSES AND KEEP YOUR DOLLARS ON THE FARM WITH RECLAIM™



APPROXIMATE 3.4X RETURN ON INVESTMENT

- **Reclaim™** can be tank mixed with most chemicals and fertilizers to save money spent on extra passes.
- **Reduces grower's annual fertilizer budget** by \$20–25/acre by solubilizing nutrients bound up in stalk residue.
- **Increased yields** from improved soil health, moisture retention and optimizing nutrient availability.

IMPROVED STAND QUALITY

- **Reclaim™'s** 8 Bacillus family consortium of hardy, sporelated microbe is uniquely formulated to breakdown crop residue.
- **Fewer skips** means Reclaim ensures a better quality stand, ultimately resulting in more viable plants and increased yield.

ENHANCED SOIL HEALTH

- **Reclaim™** helps balance your soil pH and increase the available P1 & K soil test.
- **Reclaim™'s** microbial consortium acts as a bio-stimulant, composteer and nutrient solubilizer that enables the dynamics of a great soil that optimizes beneficial microbial populations.

ENHANCED NUTRIENT AVAILABILITY

- **Reclaim™** sequesters acidity factors like Al, Fe, & Mn that improve low pH fields crop yield.
- **Reclaim™** frees up soluble soil phosphorus and other nutrients for high crop yields.
- **Iowa State studies confirm** 200 bu./ac Corn yields contribute 5.5 tons of stalks/ac that add 17#'s P2O5 and 50#'s K2O per acre.

NUTRI⚡CHARGE®

Nutricharge® is a breakthrough solution that employs patented chemistry to provide plants with the highest level of phosphorus over an extended period.

UNLOCK SOIL PHOSPHORUS PREVENT APPLIED PHOSPHORUS TIE-UP

A liquid formulation that can serve as a coating for fertilizers, be mixed with liquids, or combined with chemicals when applied to the soil.

Maximizes return on investment from starter and phosphorus fertilizers.

Aids in accessing and releasing locked phosphorus in the soil.

Requires low application rates per acre.

Compatible with most liquid.

Enhances the effectiveness of biologicals and organic/fulvic acids.

Economical with reliable results across various soil types.

NutriCharge® shields applied phosphorus fertilizers from soil fixation, which preserves more phosphorus for the plant's use.

NutriCharge® works with plants to access phosphorus typically unavailable in the soil, improving phosphorus uptake.



HOW NUTRICHARGE WORKS



Phosphorus is negatively charged and fixes to positively charged nutrients in the soil, making it unavailable to the plant.

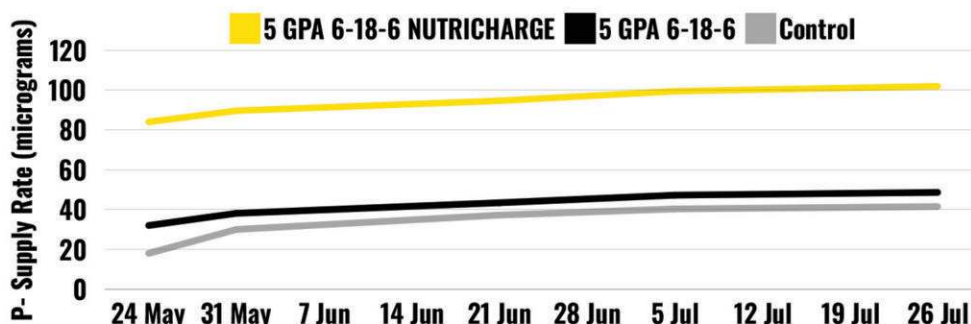


NutriCharge binds to the cations that stick to phosphorus, keeping phosphorus free and available to the plant.

NUTRI⚡CHARGE®

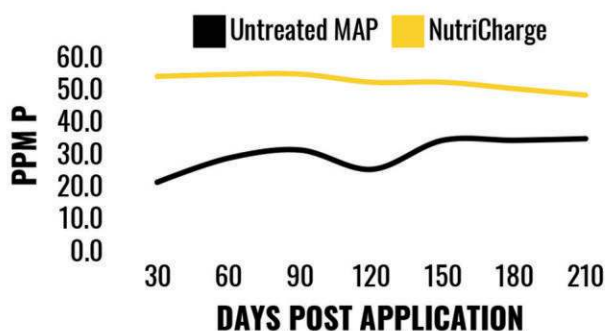
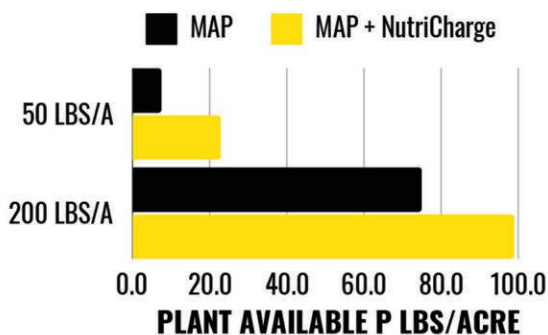
HOW NUTRICHARGE BENEFITS LIQUID PHOSPHORUS FERTILIZER

NutriCharge-treated fertilizer reduces P-adsorption and enhances daily phosphorus availability to crops. It delivered more than twice the daily available phosphorus compared to 5 GPA of starter fertilizer without NutriCharge treatment.



HOW NUTRICHARGE HELPS DRY PHOSPHORUS FERTILIZER

MAP is very soluble, releasing phosphorus that is quickly absorbed. NutriCharge keeps phosphorus available throughout the season, reducing immobilization and improving late-season absorption. Studies have shown that it can more than double the amount of plant-available phosphorus from low-rate phosphorus applications.



APPLICATION RATES

Liquid Fertilizer	3.2-9.6 oz/acre in-furrow 6.4-9.6 oz/acre sidedress/Y-Drop
Dry Fertilizer	0.25 gallons/ton Nitrogen 0.375 gallons/ton N,P,K Blend 0.5 gallons/ton P & K
Manure	10 oz/acre Broadcast onto chicken litter or applied in liquid manure
Broadcast	10 oz/acre applied with a pre-emergent herbicide application



SCAN THE QR CODE FOR
PRODUCT TRIALS

NueNutri[®]

NueNutri[™] is an optimized liquid biostimulant containing vinasse, amino acids and essential micronutrients, to enhance crops' flowering periods and improve yield. NueNutri contains bioactive compounds that activate specific metabolic pathways, especially important at the pre-flowering stage, to enhance yield by reducing flower abortion and mitigating abiotic stress.

MULTI-CROP USE

KEY BENEFITS

- Stimulates plant metabolism to limit flower abortion and maximize yield
- Improves uniformity of crop
- Enhances nutrient use efficiency
- Reduces the effects of plant abiotic stress including drought, frost & high temperature

APPLICATION

32 ounces/acre

Corn

Apply from tasseling to grain fill

Legumes

Apply from pre-flowering to pod fill

Cereal Grains

Apply from flag leaf to tillering

Forage Crops

Apply 5-7 days after each cutting

IMPACT ON THE PLANT

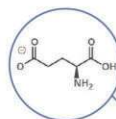
- **Heat and Drought Tolerance:** Enhances plants' resilience to extreme temperatures and water scarcity, improving survival rates under stress.
- **Flower Retention:** helps plants retain flowers longer, promoting better pollination and less flower abortion.
- **Nutrient Use Efficiency:** Improves nutrient uptake and utilization, allowing crops to grow more effectively with fewer inputs.


NueNutri[®]
16 oz applied after 3rd cutting
Picture taken 7 days after application

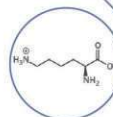


KEY AMINO ACIDS

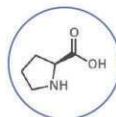
Glutamic Acid
Chelates
Micronutrients



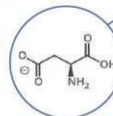
Lysine
Heat Stress
Tolerance



Proline
Drought
Stress



Aspartic Acid
Cold & Salt
Stress



Equipment



Prairie Grain Analyzers

PGA Bin Monitoring System

The most affordable bin monitoring system in the market.

NO SUBSCRIPTION FEE NEEDED

Wirelessly monitor the bin conditions of stored grains to ensure the best grain quality and prevent spoilage.

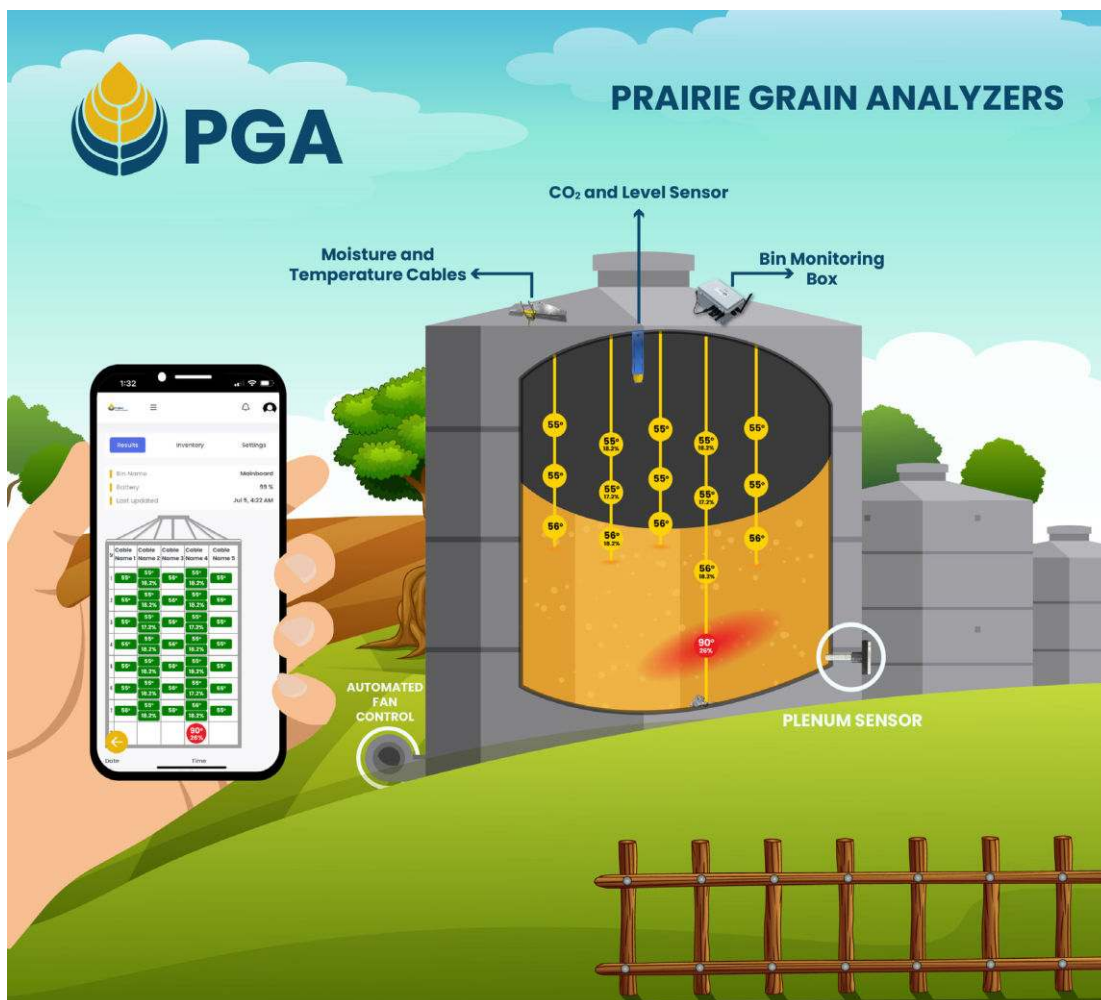
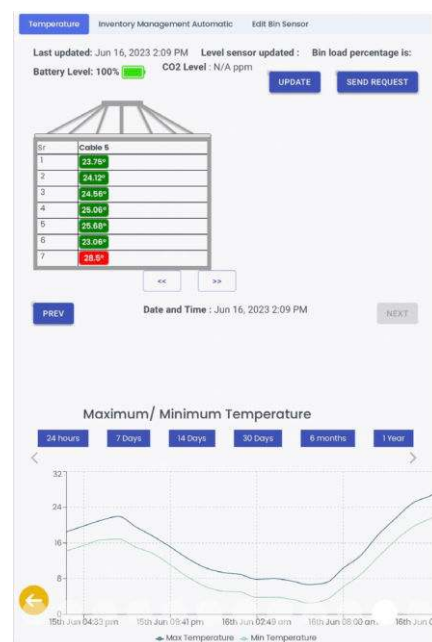
Manage data anywhere through our website or app, available for Android and IOS.

Compatible with most existing temperature and moisture cables on the market.

Fan control add-on allows automatic or manual wireless aeration control.

Battery powered rechargeable with included solar panel.

Zigbee connections between boards allow connectivity for greater distances
WIFI or LTE connection required to connect to the server



Prairie Grain Analyzers MA- 405 Moisture Analyzer



Built in scale, thermometer, and charts allow for instant moisture, test weight, and temperature readings

Portable with rechargeable batteries. Use this tester on the combine, next to the dryer, or the auger

Higher frequency testing ensures accurate results

Accuracy of $\pm 0.2\%$

Calibrated with UGMA standards

Built in thermal printer and high resolution 4.3" color touch screen

All CGC or USDA chart updates and calibrations will be available from the comfort of your home via wifi

Measure hot grain, cold grain and frozen grain (-100C/1400 to 600C/1600F)

Share and save up to 500 results on your phone using the PGA moisture meter application

Built in USB drive allows for storage of results on a USB stick

View location of test with the free phone application

Comes with a carrying case and a 200-gram weight for scale calibration
Manufactured in Canada

Prairie Grain Analyzers Fully Automatic MA- 1200 Stationary Moisture Analyzer



Analyze moisture, test weight, and temperature in grains, oilseeds, pulses, beans, & seeds

Fully automated analysis. Simply pour the sample in the hopper and collect sample from pull out drawer, the machine will do the rest of the work

Higher frequency testing ensures accurate results

Superior accuracy of $\pm 0.2\%$

Calibrated with UGMA standards

Built in thermal printer and high resolution 7" color touch screen

Calibrated with both Canadian Grain Commission (CGC) charts and United States Department of Agriculture (USDA) charts

42 crop calibrations available in Canada and 68 crop calibrations available in the USA

Measure hot grain, cold grain and frozen grain (-100C/140F to 600C/1600F)

Automatically saves all testing results with built in memory

Built in USB drive allows for storage of results on a USB stick

Expansion ports: USB, ethernet port, RS232 port, and external printer port

Manufactured in Canada

Equipment cont'd

Martin-Till®



**Row Cleaners,
Closing Wheels,
& More**



The trusted name in
header precision and
harvest efficiency

**Attatchments
to Reduce
Header Loss**



wearparts

TILLAGE TOOLS

Cultivating Solutions for Growth



CLARKS AG SUPPLY

EASILOAD

Seed Systems

Farmers from 42 states and Canada have now chosen the EASILOAD SEED SYSTEM for their seed handling needs. EASILOAD SEED SYSTEMS are the best built, best priced systems in the market, with OVER 4800 UNITS sold in the last 20 years across the Nation.



Notes:

[illegible]



SAFE SOLUTIONS. STRONG RESULTS.



Contact Dave

Dave's Crop Service LLC

1555 180th Street
Wellman, Iowa 52356

Cell: 1 (319) 530-1765

davecropservice LLC2023@gmail.com

davecropservice LLC.com



SCAN TO VISIT OUR WEBSITE

Product information is subject to current manufacturer labels and documentation.