

IT'S THE TOTAL PACKAGE



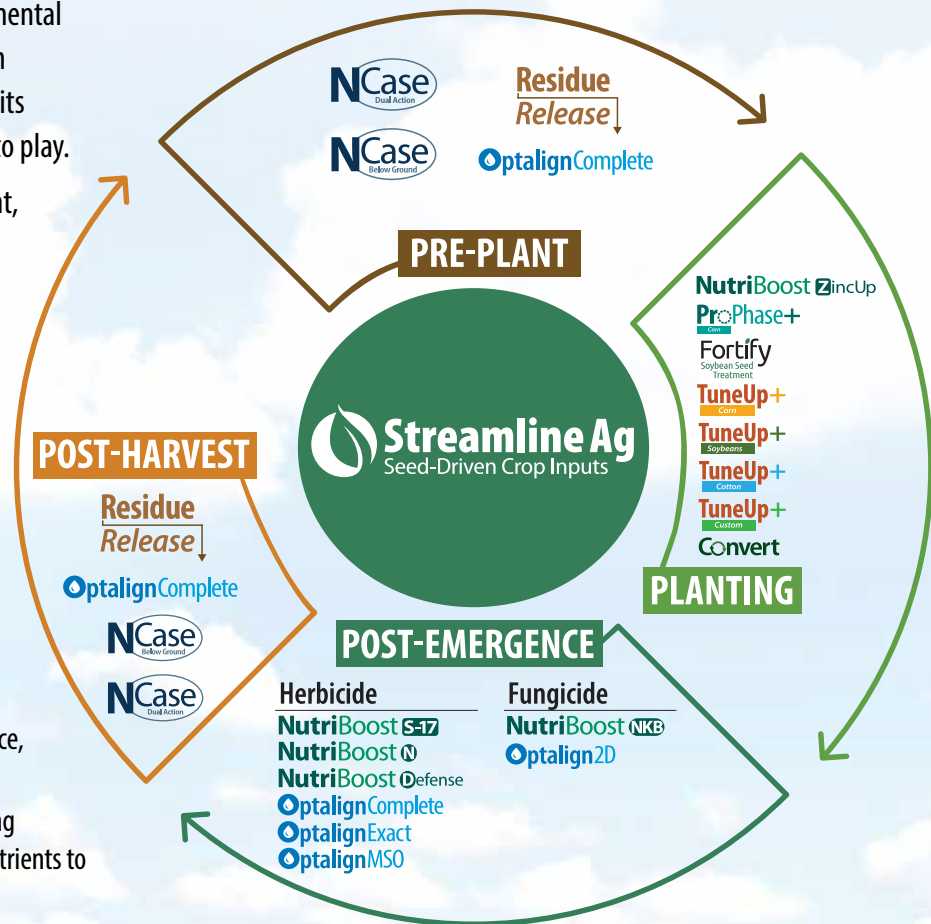
SEED-DRIVEN CROP INPUTS TO INCREASE YOUR OUTPUT

With today's increasing yield demands and environmental challenges, it's critical to give every seed that's put in the ground all the advantages it needs to deliver on its true potential. That's where Streamline Ag comes into play.

Designed for every stage of growth and development, our products deliver precisely what's needed, when it's needed – at pre-plant, planting, in-season, and post-harvest.

The Streamline Ag lineup includes:

- **Nitrogen stabilizers** that ensure the availability and accessibility of nitrogen in the soil
- **Adjuvants** that enhance the performance of spray tank inputs and reduce off-target loss
- **Foliar nutrition** to give plants what they need to optimize genetic potential
- **Custom solutions** that manage yield robbing residue, reduce nutrient tie-up, and improve planter performance, emergence, and stand establishment
- **Biological plant nutrition** provides nutritional boosting microbes that increase availability and solubility of nutrients to drive higher yields
- **Plant growth regulators** that improve growth and vigor
- **Seed treatments** to protect seed from pathogens and pests, enhance early-season vigor and eliminate the need for overseeding



COMING IN 2024 **TuneUp+ Custom** Cartridges

Contact your Rob-See-Co representative for more information.



CROP SPECIFIC RECOMMENDATIONS & ALIGNMENT

Build the Foundation



Lay the groundwork for improved planter performance, uniform emergence, and stand establishment



Establish Early Strength



Drive fast, even emergence, a robust root system and above ground photosynthesis machine



Optimize In-Season Genetic Potential



Provide essential nutrition and stress management solutions in-season






Improve Tank Mix Performance










Enhance the performance of spray tank inputs and reduce off target loss







BUILD THE FOUNDATION

PRODUCT	TIMING	USE RATE GUIDE
 <p>Residue Breakdown and Nutrient Conversion</p> <ul style="list-style-type: none"> Includes a high load surfactant package to penetrate crop residue Breakdown residue faster for better planting conditions More nutrients available early Reduce Tillage passes and improves soil health 	<p>Post Harvest-Preplant</p> <p>Fall Burndown Spring Burndown</p>	<p>12.8 oz/acre min 10 gal/acre water</p>
 <p>Below Ground Nitrogen Stabilization</p> <ul style="list-style-type: none"> Low use rate stabilizer, helps Nitrogen from leaching and keeps it in the root zone Up to 4 weeks of below ground protection from leaching Non-corrosive Calcium based polymer that will not kill bacteria and is not hard on equipment 	<p>Nitrogen Stabilizer</p> <p>Add to your nitrogen pass</p> <p>Specially formulated for: UAN, NH₃, Injected Liquid Manure</p>	<p>Anhydrous Ammonia: 6 oz. per 50 units of nitrogen</p> <p>Liquid Fertilizer: *2qts/ton UAN</p> <p>Liquid Manure: 24-32oz/acre</p>
 <p>Below and Above Ground Nitrogen Stabilization</p> <ul style="list-style-type: none"> Control volatilization by preventing ammonia loss while the nitrogen is on the soil surface Up to 3 weeks of above ground protection of volatilization Reduce nitrogen loss due to volatilization by inhibiting urease enzyme function 	<p>Nitrogen Stabilizer</p> <p>Add to your nitrogen pass</p> <p>Specially formulated for: UAN & Liquid Manure</p>	<p>UAN Solutions (28-32%): 1.5 qts/ton total solution</p> <p>Liquid Manure: 13.5-18oz/acre</p>






ESTABLISH EARLY STRENGTH

PRODUCT	TIMING	USE RATE GUIDE
 <p>Also available with ETHER</p> <p>Dry Hopper Box Treatment</p> <ul style="list-style-type: none"> 80/20 talc/graphite + Mn + Fe + Zn Contains micronutrients essential in early season root development Delivers a high load of zinc to the seed, for rapid emergence Biological plant stimulant (Terrasym) for aggressive root and shoot development Unique system that delivers live biology directly to the seed 	<p>Planting</p> <p>Add to seed box just prior to planting</p>	<p>The combined products treat 50 units of corn at 80k seeds per unit</p>
 <p>Also available with ETHER</p> <p>Dry Hopper Box Treatment</p> <ul style="list-style-type: none"> 80/20 talc/graphite + Mn + Fe + Zn Biological plant stimulant (Terrasym) for aggressive root and shoot development Unique system that delivers live biology directly to the seed Contains microbes that solubilize nutrients and draw them into the roots Triple stacked Bradyrhizobium for inoculation 	<p>Planting</p> <p>Add to seed box just prior to planting</p>	<p>The combined products treat 40 units of soybeans at 140k seeds per unit</p>
 <p>Dry Hopper Box Treatment</p> <ul style="list-style-type: none"> Unique system that delivers live biology directly to the seed 80/20 talc/graphite + Mn + Fe + Zn Contains microbes that solubilize nutrients and draw them into the roots Active Carbon that feeds and energizes microbial communities Cotton specific, Terrasym, a biological plant stimulant 	<p>Planting</p> <p>Add to seed box just prior to planting</p>	<p>The combined products treat 20 units of cotton at 240k seeds per unit</p>
 <p>In-Furrow 4% Chelated Zinc + Mannanase and Lipase</p> <ul style="list-style-type: none"> Boosts root growth for more water and nutrient uptake Converts organic matter into smaller digestible units Increases microbial activity in the soil 	<p>Planting</p> <p>In-furrow/banded at planting</p>	<p>Soil: 1qt/acre</p>
 <p>In-Furrow PGR + Microbial</p> <ul style="list-style-type: none"> 4 way PGR to improve germination and promote early plant emergence Microbial package enhanced with strong nutritional boosting bacteria that increase availability of starter fertilizer Patented hard spores allow excellent compatibility with starter fertilizer 	<p>Planting</p> <p>In-furrow/banded at planting</p>	<p>3.04 oz of combined solution, once ProPhase+ liquid PGR is mixed with Transit ultra-concentrated microbial powder</p>
 <p>Seed Treatment</p> <ul style="list-style-type: none"> New MOA with unmatched Pythium and Phytophthora protection in soybeans Early season protection of all common, seed-borne, and soil-borne diseases Powerful above and below ground insect control 	<p>Planting</p> <p>Applied to Soybean seed</p>	<p>4.18 fl oz/cwt or 1.95 fl oz/140,000 seeds</p>
 <p>Concentrate Starter Fertilizer (12-58-0)</p> <ul style="list-style-type: none"> A very low salt replacement for liquid starter fertilizer Contains two enzymes Phosphatase and Mannanase Mannanase breaks down starches that surround the root tip, this increases the flow of nutrients and water to the root zone Phosphatase releases phosphate from organic phosphate in the soil, that increase nutrient availability 	<p>Planting</p> <p>In-furrow/banded at planting</p>	<p>Recommended Rate: 2.5 lbs of Convert dissolved in 5 gallons of water</p>

OPTIMIZE IN-SEASON GENETIC POTENTIAL

PRODUCT	TIMING	USE RATE GUIDE
 <p>Early Season Foliar (5-0-0) with S, B, Mn, Mo, Zn</p> <ul style="list-style-type: none"> Includes a high load surfactant package to maximize nutrient penetration into the plant Mitigates stress by aiding in herbicide metabolization within the plant Comprehensive early season, foliar nutritional containing Zinc, Molybdenum, Manganese, Boron and Sulfur Boron - essential to new growth and stabilizes cell walls for plant structure and integrity 	<p>Foliar Application</p> <p>Corn: V3-V10</p> <p>Soybeans: V3-R3</p> <p>Alfalfa: after 3" -4" of regrowth</p> <p>Small Grains: early Vegetative stages</p>	<p>Foliar: 1qt/acre</p> <p>Aerial: 1qt/acre</p>
 <p>Stress Mitigating Biostimulant (5-8-4)</p> <ul style="list-style-type: none"> Contains natural, plant based auxins, amino acids, and polyphenols that support plant growth and development Unique formulation of bio stimulants that support plant growth and development and are critical to stress defense Increase yield potential during times of stress Improves Flower & Pod Retention in Soybeans 	<p>Foliar Application</p> <p>Corn: V3-V8</p> <p>Soybeans: R1-R4+</p> <p>Alfalfa: after 3" -4" of regrowth</p>	<p>1 pt/acre</p> <p>min 10 gal/acre water</p>
 <p>Late Season Foliar (2-0-16) with B & Mo</p> <ul style="list-style-type: none"> A 2-0-16 formulation with a boost of boron, molybdenum. Includes a high load surfactant package to maximize nutrient penetration into the plant Potassium assists in drought tolerance and strengthen stalks Proprietary Highly efficient Boron that improves pollination and pollen viability 	<p>Foliar Application</p> <p>Corn: V12-R3</p> <p>Soybeans: R1-R4+</p> <p>Cotton: Square - Boll Fill</p> <p>Alfalfa: after 3" -4" of regrowth</p>	<p>32 oz/acre</p>
 <p>Foliar 17% Sulfur</p> <ul style="list-style-type: none"> Essential for chlorophyll production Aids in protein and enzyme synthesis Enhances nitrogen use efficiency 	<p>Planting-Foliar Application</p> <p>In-furrow/banded with herbicide application with fungicide application</p>	<p>32 oz/acre</p>

IMPROVE TANK MIX PERFORMANCE

PRODUCT	TIMING	USE RATE GUIDE
 <p>NIS+AMS+Drift/Deposition</p> <ul style="list-style-type: none"> All-in-one tank mix partner contains AMS-based Water Conditioner, Surfactant, DRA and humectants Creates ideal droplet size and spray pattern for optimum coverage Increased weed kill for products that require a high load of AMS 	<p>Tank Mix Partner</p> <p>Approved For :</p> <p>Enlist Duo</p> <p>Enlist One</p>	<p>1 gallon per 100 gallons of spray volume with Roundup and Enlist</p> <p>2 gallons per 100 gallons of spray volume with Liberty</p>
 <p>NIS+AMS</p> <ul style="list-style-type: none"> Tank aid premix with Non-Ionic Surfactant and 3.4lbs AMS includes water conditioner Designed to improve accuracy of products with high load AMS requirements (glyphosate and glufosinate) Water Conditioner that provides leaf activity to move herbicide into the plant 	<p>Tank Mix Partner</p> <p>Approved For :</p> <p>Enlist Duo</p> <p>Enlist One</p>	<p>1 - 2 1/2 gallons per 100 gallons of spray volume</p>
 <p>Drift & Deposition</p> <ul style="list-style-type: none"> Delivers more active ingredient to the plant canopy with improved coverage Reduces fines to minimize off target drift Improves control on hard to kill weeds 	<p>Tank Mix Partner</p> <p>Approved For :</p> <p>Enlist Duo/ Enlist One</p> <p>XtendiMax & Engenia</p>	<p>3-6 oz/acre @ 5-20 GPA</p> <p>6-8 oz/acre @ 20-40 GPA</p> <p>8-10 oz/acre @ 40-60 GPA</p>
 <p>VRA/DRA for Dicamba</p> <ul style="list-style-type: none"> All-in-one premix for use on dicamba based products. Improves spray droplet retention, coverage and drift control Reduced claims from OffTarget Movement (Drift) 	<p>Tank Mix Partner</p> <p>Approved For :</p> <p>XtendiMax & Engenia</p>	<p>1.25 gallons per 100 gallons of spray mixture or 24 oz/acre at 15 GPA</p>
 <p>Hi-Load Methylated Seed Oil</p> <ul style="list-style-type: none"> Improves herbicide performance through increased uptake Increases canopy penetration and leaf surface coverage Improved effectiveness during hot and dry weather conditions 	<p>Tank Mix Partner</p> <p>Enlist Duo</p> <p>Enlist One</p>	<p>24 oz/acre</p>

Package Options – 2x2.5 gallons and 250 gallon tote, except for the following:

- Convert – 50 lb sack or 2,000 lb super sack
- Fortify – 15 gallon tote
- ProPhase+ – 2x2.5 gallon with 2x4 oz packet
- TuneUp+ – 2 pail/case

1-888-874-0721

Please email info@streamline-ag.com for more information.



Residue Release

Ultimate Residue Management and Nutrient Release

Residue Release by Streamline Ag is specifically designed to break down crop residue in the field, improving planter performance, creating stronger stands, and releasing valuable nutrients to feed the crop.

The patent-pending formulation of Residue Release is powered by the MICROBILIZE™ Microbe Technology Delivery System. This system provides the ideal carrier to ensure that microbes stay alive in the jug and have the optimum conditions to begin multiplying and breaking down residue.

RECOMMENDED CROPS

Apply Residue Release to any crop residue

FEATURES & BENEFITS

- Less labor
- Less fuel
- Less compaction
- Less skips
- More value from nutrients tied up in crop residue
- Improved soil health
- Fast emergence, stronger stands and healthier plants
- Season-long stress mitigation
- Surfactant system maximizes herbicide performance

DIRECTIONS FOR USE

Fall Applications - Apply immediately after harvest for best performance.

Spring Applications - Apply with early pre-emergence herbicides. Ideal for terminating cover crops.

Summer Applications - Ideal for breaking down wheat stubble.

Labeled for ground, aerial and chemigation

Use Rate: Apply 12.8 oz per acre with 10 gal of water. Highly compatible tank mix partner with most herbicide and fertility programs.

Packaging:

- 2x2.5 gallon jugs
- 250-gallon totes

ACTIVE INGREDIENTS

Guaranteed Analysis

Alkyl Polyglucoside (surfactant).....	35%
Organic acids (pH buffer).....	5%
Rheology and dispersant agents.....	5%
Fulvic Acid	1%

CFUs/gallons*

Bacillus coagulans.....	5.67 x 10 ¹⁰
Bacillus amyloliquefaciens.....	6.38 x 10 ¹⁰
Bacillus licheniformis.....	2.17 x 10 ¹¹
Bacillus megaterium	6.38 x 10 ¹⁰
Bacillus pumilis.....	1.66 x 10 ¹¹
Phanerochaete chrysosporium	3.57 x 10 ⁷
Trichoderma harizianum	1.53 x 10 ⁷
Total CFUs	5.67 x 10¹¹

* In the liquid form, contains 567 billion total colony forming units (CFU) of the above soil health microbes.



Breaking down residue faster will allow faster planting, stronger stands and fewer skips

\$25/ac



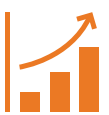
More nutrients available early

\$39/ac



Less tillage required

\$18/ac



Improve soil health

12%+
in soil health index

The consortium of microbes included in Residue Release are specifically designed to digest crop residue and cycle nutrients back to the soil profile. Additionally, these microbes build improved soil tilth, reduce disease pressure, and generate overall increased biological activity.



One Product Solution to Reduce Nitrogen Losses Below Ground

Nitrogen is one of the costliest crop inputs. Regardless of how you are applying your Nitrogen – it is subject to potential losses due to many factors. The risk of this loss depends on the type of Nitrogen source being utilized, soil type, temperature, and management practices. NCase Below Ground is specifically formulated to improve nitrogen efficiency in a range of conditions and is for use with anhydrous ammonia, UAN solutions and liquid manure.

RECOMMENDED CROPS

Row crops

FEATURES & BENEFITS

- Formulated to help build soil biological activity
- Non-toxic with no detrimental effects on soil bacteria and non-corrosive to equipment
- Specifically formulated for UAN, anhydrous ammonia and liquid manure
- Increases nitrogen efficiency, availability, and uptake
- Up to four weeks of below ground protection from leaching
- Reduces nitrogen loss below ground up to 47%
- Non-corrosive calcium based polymer

DIRECTIONS FOR USE

NCase Below Ground is intended for use as a penetrant with anhydrous ammonia, liquid fertilizers, and liquid manures. It is intended to be used as a supplement to a regular fertilizer program and will not, by itself, provide all nutrients required by crops and other plants.

Use Rate:

- ANHYDROUS AMMONIA: Use 6 oz. of NCase Below Ground per 50 units of nitrogen – max rate of 24 oz.
- LIQUID FERTILIZERS: Use 2 qts (64 oz.) of NCase Below Ground per ton of UAN (28%, 30% or 32%)
- LIQUID MANURES: Use 24 oz. to 32 oz. of NCase Below Ground per acre

Storage: Store away from direct sunlight or ultraviolet light. Keep container tightly closed when not in use. Store in a dry place. Protect from atmospheric moisture. Avoid freezing.

Packaging:

- 2x2.5 gallon jugs
- 250-gallon totes

ACTIVE INGREDIENTS

Calcium	10.0%
Polyoxyethylene Glycol, Co-Polymer.....	28.0%
Other Other Proprietary Ingredients	62.0%
Total.....	100.0%

ALSO CONTAINS NON PLANT FOOD INGREDIENTS:
Carboxylic and Organic Acids

IMPORTANT USE INSTRUCTIONS

ANHYDROUS AMMONIA:

- 1) Operator must follow all anhydrous safety precautions.
- 2) Inject NCase Below Ground through liquid fill valve.
- 3) If pressure exceeds 150 psi, inject NCase Below Ground through the liquid withdraw valve.
- 4) Proper maintenance is required. Flush valve thoroughly with anhydrous. Coat fill valve thoroughly with a petroleum or silicone based lubricant. Apply treated anhydrous using conventional anhydrous application equipment.

LIQUID FERTILIZERS:

NCase Below Ground may be mixed with liquid fertilizers such as aqua ammonia or other liquid ammonical fertilizers. Liquid fertilizers containing high levels of phosphate should not be used with NCase Below Ground.

If pesticides are added to the tank mix in conjunction with liquid fertilizers, a compatibility jar test should be performed prior to large-scale application to the field.

LIQUID MANURES:

NCase Below Ground may be mixed with liquid animal manures. NCase Below Ground may be applied to slurry pit or through an injection system as material is loaded into applicator.



Nitrogen Management System

NCASE Dual Action contains an active ingredient that successfully reduces the volatilization and leaching of nitrogen. NCASE Dual Action protects urea nitrogen in both the liquid and dry granular fertilizer form by slowing down conversion to ammonia, allowing time for adequate moisture to move it into the soil. Profitable corn farming and environmental stewardship requires proper nutrient planning and use of a proven nitrogen stabilizer like NCASE Dual Action.

RECOMMENDED CROPS

Row crops

FEATURES & BENEFITS

- Slow the hydrolysis of urea and control volatilization preventing ammonia (NH₃) loss while the urea is on the soil surface or less than two inches deep in the soil
- Proven to significantly reduce urea nitrogen loss due to volatilization by inhibiting urease enzyme function
- Ease of use and low odor formulation. Approved for use with UAN and liquid manure
- Dual Action Protection
 - Up to three weeks of above ground protection from volatilization
 - Reduces nitrogen loss below ground up to 47%
- Increases nitrogen efficiency, availability and uptake
- Formulated to help build soil biological activity
- Non-toxic with no detrimental effects on soil bacteria and non-corrosive to equipment

DIRECTIONS FOR USE

Recommended for surface, shallow-placed, shallow banded or shallow-incorporated (less than two inches) application of urea-containing fertilizers, including pre-plant, pre-emergence, sidedress, topdress or other post-planting applications.

Use Rate:

UAN Solutions (28-32%): 1.5 quarts per ton (2,000 lbs.) of UAN spray solution.

Liquid Manure: 13.5-18 oz per acre

Other Considerations: Fill spray tanks halfway with UAN and add NCASE Dual Action directly to the UAN solution and agitate. Allow agitation to continue while adding the remainder of UAN solution until thoroughly mixed into the uniform solution. Most agricultural chemicals compatible with UAN solutions are compatible with NCASE Dual Action. However, compatibility tests prior to use are recommended.

Storage:

Avoid freezing. Store at temperatures between 0°F and 100°F and avoid contact with water.

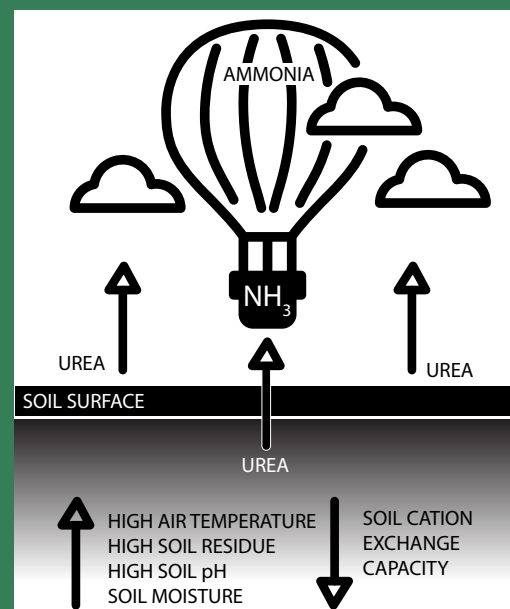
Packaging:

- 2x2.5 gallon jugs
- 250-gallon totes

ACTIVE INGREDIENTS

NBPT (N-(n-butyl)-thiophosphoric triamide) Solution (CAS No. 94317-64-3).....	20.0%
Propylene Glycol, 1-methyl-2-pyrrolidone and copolymer surfactant.....	80.0%
Total.....	100.0%

Also contains Non-Plant Food Ingredients: Carboxylic and Organic Acids



Risk Factors NH₃ Volatilization



TuneUp+

Corn

Planter Box Treatment and Microbial System for Building Root Mass and Optimizing Nutrient Uptake

TuneUp+ Corn is a best-in-class 80/20 talc/graphite combination that ensures optimum performance in today's high-speed planters. Can take the place of any seed fluency agent.

The base product also includes 1.35 pounds of Zinc plus Iron and Manganese. These micronutrients are essential building blocks to drive fast emergence and strong, healthy plants.

RECOMMENDED CROPS

Corn

FEATURES & BENEFITS

- Most convenient method to deliver a high-volume load of zinc to the furrow
- Generates massive root structure
- Increases early-season iron, manganese and zinc uptake
- Puts corn plants in the position to manage season-long stressors and optimize genetic potential
- Helps plants fix nitrogen and solubilize nutrients

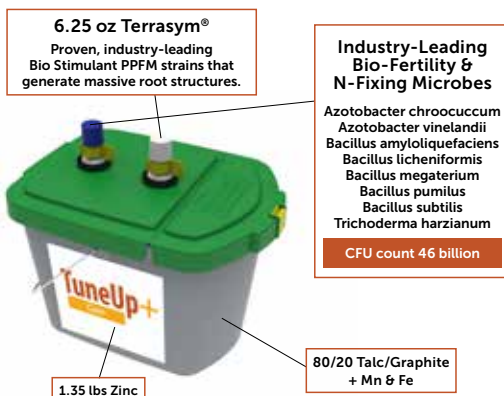
DIRECTIONS FOR USE

Remove the safety clips from the BIO-CAPSULES. Push down on the buttons atop the pail to activate the biologicals and release them into the base. Shake aggressively to blend. Do not activate BIO-CAPSULES until ready to use. If activated, apply and plant within 7-10 days for maximum performance.

Use Rate: The combined products treat 50 units of corn at 80k seeds per unit.

Storage: Store in a closed, dry area and in original container and keep sealed. Do not contaminate food, water or feed by storage or cleaning of equipment.

Packaging: Sold in a 2-pail case to treat 100 units of corn. Each pail is capable of treating 50 units of corn.



BASE INGREDIENTS

80/20 TALC, GRAPHITE AND MICRONUTRIENT BLEND

GUARANTEED ANALYSIS

Iron (Fe)	0.70%
Manganese (Mn)	0.90%
Zinc (Zn)	4.00%

*Derived from Ferrous Oxide and Manganese Oxide.

BASE INGREDIENTS CONTAIN 27% IONLOCK™ ZINC
IONLOCK ZINC is designed to increase singulation performance, adhere microbes to seed coats, and provide valuable early emergence nutrition.

BIO-CAPSULE INGREDIENTS

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

Azotobacter Chroococcum	5.0x10 ⁷ CFU/g
Azotobacter Vinelandii	5.0x10 ⁷ CFU/g
Bacillus Amyloliquefaciens	6.8x10 ⁸ CFU/g
Bacillus Licheniformis	1.4x10 ⁹ CFU/g
Bacillus Megaterium	6.8x10 ⁸ CFU/g
Bacillus Pumilus	1.1x10 ⁹ CFU/g
Bacillus Subtilis	6.8x10 ⁸ CFU/g
Trichoderma Harzianum	4.5x10 ⁹ CFU/g
Methylobacterium gregans	1x10 ⁹ CFU/g

For best results, use in conjunction with Residue Release to manage residue, build stronger stands and unlock early-season nutrients.

TuneUp+ Corn is powered by BIO-CAPSULE TECHNOLOGY (BCT) - a patented delivery system that helps farmers save time, labor and fuel. The BCT carrier system allows for the addition of multiple biological solutions safely packaged for convenient deployment at planting.

The TuneUp+ Corn BIO-CAPSULES are charged with Terrasym® and industry-leading consortium of bio-fertility & N-fixing microbes.

NET WEIGHT (per pail): 5.78 lbs (2.62 kg)



TuneUp+

Corn

Powered by **ETHER**

Planter Box Treatment and Microbial System for Building Root Mass and Optimizing Nutrient Uptake

TuneUp+ Corn with Ether is a best-in-class 80/20 talc/graphite combination that ensures optimum performance in today's high-speed planters.

The base product includes 1.35 pounds of Zinc plus Iron and Manganese. Ether Enzyme Technology is designed to kick start the uptake of available soil nutrients and water, while maximizing microbial activity.

RECOMMENDED CROPS

Corn

FEATURES & BENEFITS

- Most convenient method to deliver a high-volume load of zinc to the furrow
- Generates massive root structure
- Increases early-season iron, manganese and zinc uptake
- Puts corn plants in the position to manage season-long stressors and optimize genetic potential
- Helps plants fix nitrogen and solubilize nutrients

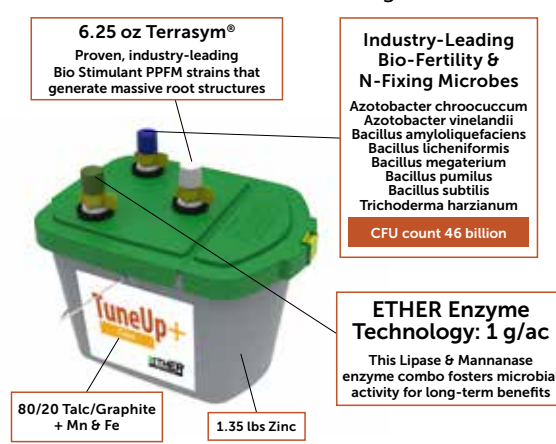
DIRECTIONS FOR USE

Remove the safety clips from the BIO-CAPSULES. Push down on the buttons atop the pail to activate the biologicals and release them into the base. Shake aggressively to blend. Do not activate BIO-CAPSULES until ready to use. If activated, apply and plant within 7-10 days for maximum performance.

Use Rate: The combined products treat 50 units of corn at 80k seeds per unit.

Storage: Store in a closed, dry area and in original container and keep sealed. Do not contaminate food, water or feed by storage or cleaning of equipment.

Packaging: Sold in a 2-pail case to treat 100 units of corn. Each pail is capable of treating 50 units of corn.



BASE INGREDIENTS

80/20 TALC, GRAPHITE AND MICRONUTRIENT BLEND

GUARANTEED ANALYSIS

Iron (Fe)	0.70%
Manganese (Mn)	0.90%
Zinc (Zn)	4.00%

*Derived from Ferrous Oxide and Manganese Oxide.

BASE INGREDIENTS CONTAIN 27% IONLOCK™ ZINC

IONLOCK ZINC is designed to increase singulation performance, adhere microbes to seed coats, and provide valuable early emergence nutrition.

BIO-CAPSULE INGREDIENTS

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

Azotobacter Chroococcum	5.0x10 ⁷ CFU/g
Azotobacter Vinelandii	5.0x10 ⁷ CFU/g
Bacillus Amyloliquefaciens	6.8x10 ⁸ CFU/g
Bacillus Licheniformis	1.4x10 ⁹ CFU/g
Bacillus Megaterium	6.8x10 ⁸ CFU/g
Bacillus Pumilus	1.1x10 ⁹ CFU/g
Bacillus Subtilis	6.8x10 ⁸ CFU/g
Trichoderma Harzianum	4.5x10 ⁵ CFU/g
Mannanase	2.5 x 10 ⁹ μUnits/g
Lipase	5.0 x 10 ⁴ μUnits/g
Methylobacterium gregans	1x10 ⁹ CFU/g

For best results, use in conjunction with Residue Release to manage residue, build stronger stands and unlock early-season nutrients.

TuneUp+ Corn is powered by BIO-CAPSULE TECHNOLOGY (BCT) - a patented delivery system that helps farmers save time, labor and fuel. The BCT carrier system allows for the addition of multiple biological solutions safely packaged for convenient deployment at planting.

The TuneUp+ Corn BIO-CAPSULES are charged with Terrasym™ and industry-leading consortium of bio-fertility, N-fixing microbes, and Ether Enzyme Technology.

NET WEIGHT (per pail): 6.05 lbs (2.74 kg)



TuneUp+

Soybeans

Planter Box Treatment and Inoculation System for Building Root Mass and Optimizing Nutrient Uptake

TuneUp+ Soybeans is a best-in-class 80/20 talc/graphite combination that ensures optimum performance in today's high-speed planters. Specifically designed to fix Nitrogen and enhance overall crop performance while taking the place of any seed fluency agent.

The base product also includes Zinc, Iron and Manganese. These micronutrients are essential building blocks to drive fast emergence and strong, healthy plants.

RECOMMENDED CROPS

Soybeans

FEATURES & BENEFITS

- Drives early-season taproot nodulation and nitrogen fixations
- Builds strong, healthy plants fast
- Generates massive root structure
- Puts soybean in the position to manage season-long stressors and optimize genetic potential
- Herbicide tolerant Bradyrhizobia strain (patent #8772576)

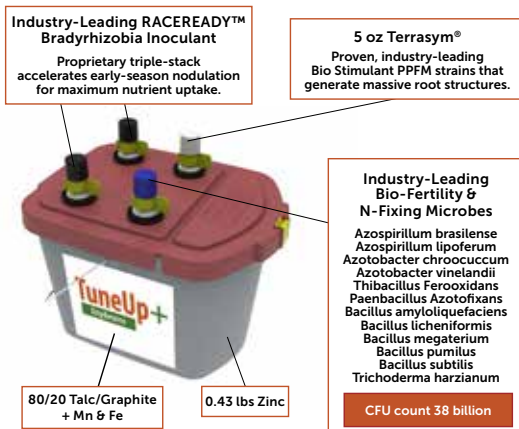
DIRECTIONS FOR USE

Remove the safety clips from the BIO-CAPSULES. Push down on the buttons atop the pail to activate the biologicals and release them into the base. Shake aggressively to blend. Do not activate BIO-CAPSULES until ready to use. If activated, apply and plant within 7-10 days for maximum performance.

Use Rate: The combined products treat 40 units of soybeans at 140k seeds per unit.

Storage: Store in a closed, dry area and in original container and keep sealed. Do not contaminate food, water or feed by storage or cleaning of equipment.

Packaging: Sold in a 2-pail case to treat 80 units of soybeans. Each pail is capable of treating 40 units of soybeans.



BASE INGREDIENTS

80/20 TALC, GRAPHITE AND MICRONUTRIENT BLEND

GUARANTEED ANALYSIS

Iron (Fe)	0.70%
Manganese (Mn)	0.90%
Zinc (Zn)	1.58%

* Derived from Manganese Oxide and Ferrous Oxide.

BASE INGREDIENTS CONTAIN 10.8% IONLOCK™ ZINC
IONLOCK ZINC is designed to increase singulation performance, adhere microbes to seed coats, and provide valuable early emergence nutrition.

BIO-CAPSULE INGREDIENTS

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

Bradyrhizobium japonicum.....	2.0x10 ⁵ CFU/g
Azospirillum Brasilense.....	5.0x10 ⁷ CFU/g
Azospirillum lipoferum	5.0x10 ⁷ CFU/g
Azotobacter Chroococcum	5.0x10 ⁷ CFU/g
Azotobacter Vinelandii	5.0x10 ⁷ CFU/g
Thibacillus Ferrooxidans	5.0x10 ⁷ CFU/g
Paenbacillus Azotofixans.....	5.0x10 ⁷ CFU/g
Bacillus Amyloliquefaciens.....	5.3x10 ⁸ CFU/g
Bacillus Licheniformis	1.1x10 ⁹ CFU/g
Bacillus Megaterium.....	5.3x10 ⁸ CFU/g
Bacillus Pumilus.	8.8x10 ⁸ CFU/g
Bacillus Subtilis.	5.3x10 ⁸ CFU/g
Trichoderma Harzianum	3.5x10 ⁵ CFU/g
Methylobacterium hispanicum	1x10 ⁹ CFU/g

For best results, use in conjunction with Residue Release to manage residue, build stronger stands and unlock early-season nutrients.

NET WEIGHT (per pail): 5.43 lbs (2.40 kg)



TuneUp+

Soybeans

Powered by **ETHER**

Planter Box Treatment and Inoculation System for Building Root Mass and Optimizing Nutrient Uptake

TuneUp+ Soybeans with Ether is a best-in-class 80/20 talc/graphite combination that ensures optimum performance in today's high-speed planters. Specifically designed to fix Nitrogen and enhance overall crop performance while taking the place of any seed fluency agent.

The base product includes .43 pounds of Zinc, Iron and Manganese. Ether Enzyme Technology is designed to kick start the uptake of available soil nutrients and water, while maximizing microbial activity.

RECOMMENDED CROPS

Soybeans

FEATURES & BENEFITS

- Drives early-season taproot nodulation and nitrogen fixations
- Builds strong, healthy plants fast
- Generates massive root structure
- Puts soybean in the position to manage season-long stressors and optimize genetic potential
- Herbicide tolerant Bradyrhizobia strain (patent #8772576)

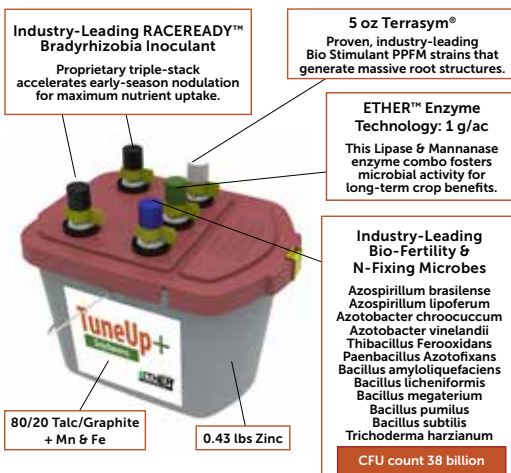
DIRECTIONS FOR USE

Remove the safety clips from the BIO-CAPSULEs. Push down on the buttons atop the pail to activate the biologicals and release them into the base. Shake aggressively to blend. Do not activate BIO-CAPSULEs until ready to use. If activated, apply and plant within 7-10 days for maximum performance.

Use Rate: The combined products treat 40 units of soybeans at 140k seeds per unit.

Storage: Store in a closed, dry area and in original container and keep sealed. Do not contaminate food, water or feed by storage or cleaning of equipment.

Packaging: Sold in a 2-pail case to treat 80 units of soybeans. Each pail is capable of treating 40 units of soybeans.



BASE INGREDIENTS

80/20 TALC, GRAPHITE AND MICRONUTRIENT BLEND

GUARANTEED ANALYSIS

Iron (Fe)	0.70%
Manganese (Mn)	0.90%
Zinc (Zn)	1.58%

* Derived from Ferrous Oxide and Manganese Oxide.

BASE INGREDIENTS CONTAIN 10.8% IONLOCK™ ZINC
IONLOCK ZINC is designed to increase singulation performance, adhere microbes to seed coats, and provide valuable early emergence nutrition.

BIO-CAPSULE INGREDIENTS

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

Bradyrhizobium japonicum.....	2.0x10 ⁵ CFU/g
Azospirillum Brasilense.....	5.0x10 ⁷ CFU/g
Azospirillum Lipoferum	5.0x10 ⁷ CFU/g
Azotobacter Chroocuccum	5.0x10 ⁷ CFU/g
Azotobacter Vinelandii	5.0x10 ⁷ CFU/g
Thiobacillus Ferrooxidans	5.0x10 ⁷ CFU/g
Paenibacillus Azotofixans.....	5.0x10 ⁷ CFU/g
Bacillus Amyloliquefaciens.....	5.3x10 ⁸ CFU/g
Bacillus Licheniformis	1.1x10 ⁹ CFU/g
Bacillus Megaterium.....	5.3x10 ⁸ CFU/g
Bacillus Pumilus.	8.8x10 ⁸ CFU/g
Bacillus Subtilis	5.3x10 ⁸ CFU/g
Trichoderma Harzianum	3.5x10 ⁵ CFU/g
Mannanase	2.5 x 10 ⁹ μUnits/g
Lipase	5.0 x 10 ⁴ μUnits/g
Methylobacterium hispanicum	1x10 ⁹ CFU/g

For best results, use in conjunction with Residue Release to manage residue, build stronger stands and unlock early-season nutrients.

NET WEIGHT (per pail): 5.52 lbs (2.50 kg)



TuneUp+

Cotton

Nutrient and Microbial Planter Box Delivery System

TuneUp+ Cotton is a best-in class 80/20 talc/graphite combination that ensures optimum performance in today's high-speed planters. It can take the place of any seed fluency agent.

The base includes 0.475 pounds of Zinc plus Iron and Manganese. These micronutrients are essential for fast emergence and strong, healthy plants.

RECOMMENDED CROPS

Cotton

FEATURES & BENEFITS

- Ensures strong stand and emergence vigor
- Enhances germination and root growth
- Increases early-season iron, manganese and zinc uptake
- Puts cotton plants in the position to manage season-long stressors and optimize genetic potential

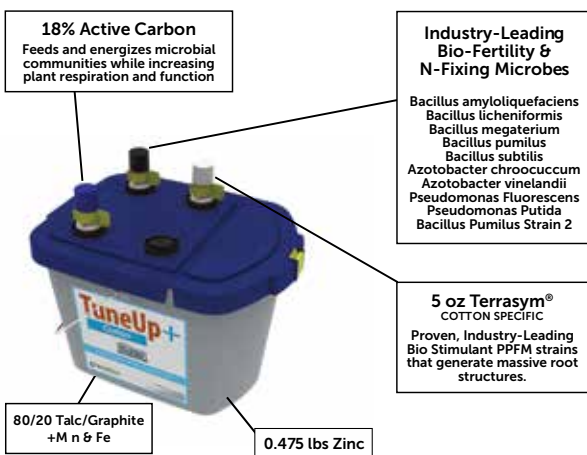
DIRECTIONS FOR USE

Once ready to plant, remove the safety clips from the BIO-CAPSULES. Push down on the buttons atop the pail to release the biologicals into the base. Seal the pail and shake aggressively to blend the contents.

Use Rate: The combined products treat 20 units of cotton at 240k seeds per unit.

Storage: Store in a closed, dry area and in original container and keep sealed. Do not contaminate food, water or feed by storage or cleaning of equipment.

Packaging: Sold in 2-pail cases to treat 40 units of cotton. Each pail is capable of treating 20 units of cotton.



Actual product packaging may be different than this visual

BASE INGREDIENTS

80/20 TALC, GRAPHITE AND MICRONUTRIENT BLEND

GUARANTEED ANALYSIS

Iron (Fe)	0.70%
Manganese (Mn)	0.90%
Zinc (Zn)	4.00%

* Derived from Manganese Oxide, Ferrous Oxide and Zinc Sulfate.

BASE INGREDIENTS CONTAIN 27% IONLOCK™ ZINC
IONLOCK ZINC is designed to increase singulation performance, adhere microbes to seed coats, and provide valuable early emergence nutrition.

BIO-CAPSULE INGREDIENTS

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

Bacillus Amyloliquefaciens	4.50x10 ⁸ CFU/g
Bacillus Licheniformis	9.00x10 ⁸ CFU/g
Bacillus Megaterium	4.50x10 ⁸ CFU/g
Bacillus Pumilus	7.50x10 ⁸ CFU/g
Bacillus Subtilis	4.50x10 ⁸ CFU/g
Azotobacter Chroococcum	5.00x10 ⁷ CFU/g
Azotobacter Vinelandii	5.00x10 ⁷ CFU/g
Pseudomonas Fluorescens	5.00x10 ⁸ CFU/g
Pseudomonas Putida	5.00x10 ⁸ CFU/g
Bacillus Pumilus Strain 2	5.00x10 ⁹ CFU/g
Methylobacterium radiotolerans	1x10 ⁹ CFU/g
Active Carbon	18%

NET WEIGHT (per pail): 3.22 lbs (1.46 kg)



NutriBoost

Improve Nutrition

NutriBoost ZincUp is designed for use on all soil types through drip, sprinkler or furrow irrigation systems or in band or in furrow fertilizer applications. The mannanase enzyme releases sugars from polysaccharide chains. Lipase enzymes break down lipids in the soil.

It is a fully chelated solution recommended for the prevention and/or correction of zinc deficiency in all crops when used as part of a fertility program.

RECOMMENDED CROPS

Corn, soybeans, wheat, edible beans, grain sorghum, sugar beets, potatoes and alfalfa

FEATURES & BENEFITS

- High concentration of enzymes for boosting nutrient availability
- Converts organic matter into smaller, digestible units, creating a rich soil environment for seed
- More water and nutrient uptake
- Boosts root growth
- Increased microbial activity
- Stress and drought tolerance
- Increased yield

DIRECTIONS FOR USE

The rates given below are based on banded, in furrow or fertigated application. Utilizing a fast lap on center pivots or adding at the end of an irrigation cycle is preferred to keep adequate product near the root zone. If broadcast applications are made, higher use rates may be needed to get into the root zone or near the seed.

Use Rate:

Soil Applications

Apply Field and Row Crops: 1 quart per acre in furrow or banded either as a stand alone or in combination with liquid NPK starter fertilizers at planting or 1 quart per acre banded in the strip till not more than 2 weeks before planting.

Vegetable Crops: 3 quarts per acre at planting or in transplant solution applied in the root zone through fertigation.

Potato, Sweet Potato: 2-3 quarts per acre in furrow or banded either as a stand alone or in combination with liquid NPK starter fertilizers.

Package Choices:

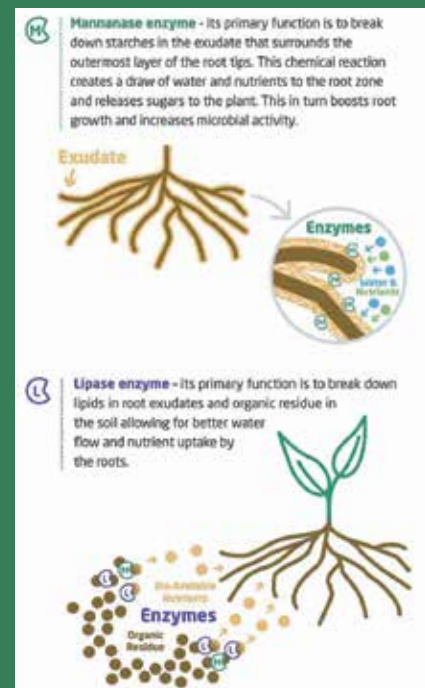
- 2x2.5 gallon jugs
- 250-gallon totes

ACTIVE INGREDIENTS

Zinc (Zn) 4.00%
4.00% Chelated zinc
Derived from zinc EDTA.

Also Contains Non-Plant Food Ingredients

Lipase 2.0×10^3 μ Units/mL
Mannanase 1.0×10^6 μ Units/mL





ProPhase+

Corn *with Transit*

An In-Furrow PGR and Microbial Combining ProPhase and Transit for Building Root Mass and Optimizing Nutrient Uptake

In a convenient, easy-to-use application, ProPhase+ combines an EPA registered four-way plant growth regulator (PGR) with Transit that improves germination, promotes early plant emergence in cool conditions, and drives root growth and seedling development. ProPhase+ is a best-in-class microbial package enhanced with strong nutritional boosting bacteria that increase availability, solubility and mobility of nitrogen, potassium, calcium, magnesium, phosphorus and zinc during the growing season.

RECOMMENDED CROPS

Corn

FEATURES & BENEFITS

- Makes NPK and other essential micronutrients plant-ready
- Designed to work with your existing starter program to provide the plant food and micros essential to build robust plants fast
- ProPhase+ with Transit can be used with all starter fertilizers because of its patented hard spores
- Builds a massive root structure to maximize intake of made-ready nutrients 8 microbes focusing on all nutrients in the soil, in addition to nitrogen
- The microbes included in ProPhase+ with Transit deliver 1000x more CFUs than most competitors

DIRECTIONS FOR USE

ProPhase+ with Transit is designed for farmers that apply liquid fertilizer as part of the planter pass.

Use Rate: 3.04 oz of combined solution per acre, once ProPhase liquid PGR is mixed with Transit ultra-concentrated microbial powder packet.

Pour one 4 oz packet of Transit into 2.5 gallons of ProPhase to Create ProPhase+. Shake well for 2 minutes.

Storage: Store in a closed, dry area and in original container and keep sealed. Do not contaminate food, water or feed by storage or cleaning of equipment.

Packaging: ProPhase+ is available in easy-to-use 2x2.5 gallon packaging (5 gallon case) with the corresponding amount (2-4 oz/packets) of Transit pre-measured in an easy-to-use pouch adhered to each jug.

ACTIVE INGREDIENTS

ProPhase+

Cytokinin (as kinetin).....	0.009%
Gibberellic Acid	0.005%
Indole-3-butyric Acid.....	0.005%
Indole-3-acetic Acid	0.009%
Other Ingredients.....	99.760%
TOTAL.....	100%

Contains 0.002698 grams cytokinin/oz
 Contains 0.001499 grams gibberellic acid/oz
 Contains 0.001499 grams indole-3-butyric acid/oz
 Contains 0.001499 grams indole-3-acetic acid/oz

Transit

Bacillus formis	2.2 x 10 ⁹ CFU/Gm
Bacillus composti.....	2.2 x 10 ⁹ CFU/Gm
Bacillus azotofixans	2.2 x 10 ⁹ CFU/Gm
Bacillus ligniniphilus	2.2 x 10 ⁹ CFU/Gm
Thiobacillus sulfooxidans	2.2 x 10 ⁹ CFU/Gm
Thiobacillus ferrooxidans	2.2 x 10 ⁹ CFU/Gm
Azotobacter chroococcum.....	2.2 x 10 ⁹ CFU/Gm
Bradyrhizobium denitrificans.....	2.2 x 10 ⁹ CFU/Gm

In the final liquid form, contains no less than 650 billion total colony forming units (CFU's) per gallon of soil health microbes (1gm = 1 ml).

For best results, use in conjunction with Residue Release to manage residue, build stronger stands and unlock early-season nutrients, plus NutriBoost ZincUp to feed the crop in-season.



Fortify

Soybean Seed Treatment

Maximize Genetic Yield Potential

Fortify maximizes genetic yield potential of every soybean seedling in all conditions for faster, stronger, more uniform emergence.

RECOMMENDED CROPS

Soybeans

FEATURES & BENEFITS

- New mode of action with unmatched Pythium and Phytophthora protection in soybeans
- Early season protection of all common, seed-borne, and soil-borne diseases
- Powerful above and below ground insect control
- Establish early stand and uniformity for planting in cool wet soil or later in warmer conditions
- Improves translocation of nutrients within the plant for early development, both above and below ground
- Exceptional flowability and handling

DIRECTIONS FOR USE

Use Rate:

- 4.18 fl oz/cwt or 1.95 fl oz/140,000 seeds
- Treats 984 units and 7,220 units

Other Considerations:

- Always read and follow label instructions. Some products may not be registered for sale or use in all states or counties, please check with your local extension service to ensure registration status.
- Fortify Soybean Seed Treatment is powered by CruiserMaxx® APX. See CruiserMaxx APX Seed Treatment label and SDS for reference.

Package Options:

- 15-gallon drum
- 110-gallon tote

ACTIVE INGREDIENTS

Product	%AI	Rate fl oz per cwt*
Thiamethoxam	16.30%	1.28
Mefenoxam	2.45%	0.32
Picarbutrazox	0.82%	0.098
Fludioxonil	0.82%	0.08
Sedaxane	0.82%	0.098
Other Ingredients	78.79%	

* Applied premix at labeled rate.

9.38 lbs/gal



Convert

Water Soluble Fertilizer with Enzymes

Convert with Ether combines two enzymes specifically identified to increase phosphate availability, increase nutrient and water availability, boosting plant growth, while maximizing microbial activity.

This product is designed for dissolving in water and applying through fertilizing equipment into actively growing root zones, or injected near the seed during planting. It has a low salt index, so it is ideal for use as a starter or sidedress fertilizer applied directly to the soil.

Ether Enzyme Technology is designed to kick start the uptake of available soil nutrients and water, while maximizing microbial activity.

RECOMMENDED CROPS

Convert is recommended for multiple crops.

FEATURES & BENEFITS

- Supports germination and early vigor
- Aids in microbial activity
- Boosts root growth
- Increases nutrient availability and uptake
- Dramatically decrease starter fertilizer costs
- Phosphatase: Phosphatase enzymes release phosphate from organic phosphate sources in the soil, which increases nutrient availability and uptake.
- Mannanase: Mannanase enzymes break down starches that surround the outermost layer of the root tip. This chemical reaction increases the flow of water and nutrients to the root zone and sugars in the plant. This in turn boosts root growth and increases microbial activity.

DIRECTIONS FOR USE

Replacement for 10-34-0 starter fertilizer: For every 1 gallon of 10-34-0 fertilizers, replace with 0.5 lbs of Convert dissolved into 1 gallon of water.

A maximum of 1 lb Convert can be dissolved per gallon. However, longer mix times are required and this is only recommended for users that have heated water and strong agitation.

Use Rate: Starter or side-dress fertilizer. Use 1-15 lb/acre at plant dissolved in water.

May be run through irrigation systems.

Packaging:

- 25 lb bag, 80 bags per pallet
- 2,000 lb super sack

BASE INGREDIENTS

GUARANTEED ANALYSIS 12-58-0

Total Nitrogen	12.0%
12.0% Ammoniacal nitrogen	
Available Phosphate (P ₂ O ₅).....	58.0%
Derived from monoammonium phosphate.	

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS

Phosphatase.....	5.0 x 10 ² μUnits/g
Mannanase.....	2.2 x 10 ⁶ μUnits/g



NutriBoost N

Improve Yield and Plant Health

NutriBoost N is a comprehensive early-season, highly-chelated, foliar nutritional that combines zinc, molybdenum, manganese, boron and sulfur into on convenient and effective micronutrient product.

Maximizes genetic potential by providing plants the nutrition to grow through early-season stressors.

RECOMMENDED CROPS

Corn, soybeans, wheat, edible beans, grain sorghum, sugar beets, potatoes and alfalfa

FEATURES & BENEFITS

- Aids in herbicide metabolism within the plant
- Approved for use with is approved for use with Engenia®, XtendiMax® with VaporGrip® Technology and FeXapan® Plus VaporGrip® Technology
- Improved season-long plant health
- Reduced risk of micronutrient deficiencies to drive for higher yields

MICRONUTRIENTS

- Sulfur aids in protein and enzyme synthesis
- Boron is essential to new growth, pollination and reproduction. Stabilizes cell walls, which provides plant structure and integrity. Also aids in nitrogen assimilation and root nodulation formation in soybeans or in legume crops which enhances nitrogen uptake and utilization.
- Manganese aids in herbicide metabolism, chlorophyll formation and plant respiration. It is also critical to photosynthesis.
- Molybdenum root nodulation growth and enhances nitrogen utilization
- Zinc promotes root and shoot growth; helps plants withstand environmental stress

DIRECTIONS FOR USE

1st application during early vegetative stage. May repeat applications at 7-10 day intervals as required. Compatible with many herbicide and / or fungicide tank mix partner products. Read individual product labels for instructions.

Use Rate:

- Apply 1-2 quarts per acre per application throughout the growing season. More frequent applications at 1 pint per acre may be needed to correct deficiencies once they occur
- For best results apply to growing crops in early vegetative stages
- Optimum rate of application will vary depending on soil properties (such as pH, organic matter content, texture), weather conditions, time of year, plant species and general health

Other Considerations:

- Spray volume (ground application): Minimum 10 gallons per acre (GPA)
- Spray volume (aerial application): Minimum 2 gallons per acre (GPA)
- Labeled for Chemigation
- Recommend spray carriers: commercial liquid fertilizers, herbicides, fungicides, adjuvants and water
- Avoid freezing

Package Choices:

- 2x2.5 gallon jugs
- 250-gallon totes

ACTIVE INGREDIENTS

Guaranteed Analysis	5-0-0
Nitrogen (N).....	5.00%
Sulfur (S).....	2.00%
Boron (B).....	0.50%
Manganese (Mn).....	2.00%
Molybdenum (Mo).....	0.05%
Zinc (Zn).....	2.00%
	EDTA Chelated





NutriBoost Defense

Protect Genetic Potential and Mitigate Stress

NutriBoost Defense is a unique formulation of biostimulants that up-regulate amino acids resulting in increased protein production and cell division. Additionally, the formulation helps plants decrease evapotranspiration, thus increasing moisture retention and overall plant health.

RECOMMENDED CROPS

Corn, soybeans, wheat, edible beans, grain sorghum, sugar beets, potatoes and alfalfa

FEATURES & BENEFITS

- Contains natural, plant-based auxins, amino acids, and polyphenols that support plant growth and development and are critical to stress defense
- Combines these plant extracts with key plant nutrients that work together to keep biological processes active and plants growing
- Formulated with non-toxic, high-performance surfactants that deliver the ingredients to their target
- Increased yield potential during times of stress
- Provides the building blocks that support base metabolic activities and the production of compounds that lessen the effects of stress
- Stimulates root and shoot growth and normal formation of reproductive tissues
- Improves stability of cell water content, cell division, and cell expansion

DIRECTIONS FOR USE

Apply post-emergence to the growing crop to mitigate stress and maximize genetic potential.

Corn: Apply at V3 to V8.

Soybeans: Apply at R1 to R4+.

Alfalfa: Apply after 3" to 4" of regrowth.

Use Rate: 1 pt. per acre

Other Considerations:

- Spray volume (ground application): Minimum 10 gallons per acre (GPA)
- Spray volume (aerial application): Minimum 2 gallons per acre (GPA)
- Labeled for Chemigation
- Recommended spray carriers: commercial liquid fertilizers, herbicides, fungicides, adjuvants and water
- Avoid freezing

Package Choices:

- 2x2.5 gallon jugs
- 250-gallon totes

ACTIVE INGREDIENTS

5-8-4 Guaranteed Analysis

Total Nitrogen (N)	5.00%
0.60% Organic Nitrogen (N)	
1.00% Nitrate Nitrogen (N)	
1.7% Ammoniacal Nitrogen (N)	
1.7% Urea Nitrogen (N)	
Available Phosphate (P ₂ O ₅)	8.00%
Soluble Potash (K ₂ O)	4.00%





NutriBoost **NKB**

The Ultimate Foliar Feed Solution for Maximizing Yields

Farmers that drive for yield know that season-long plant health is critical to maximizing genetic potential in both corn and soybeans. Foliar feeding is one of the most efficient ways to supply nutrition to crops during critical growth stages. NutriBoost NKB is a 2-0-16 formulation with a boost of boron, molybdenum and nitrogen. It is ideal for late-season nutrient applications on row crops and is an excellent tank mix partner.

RECOMMENDED CROPS

Corn, soybeans, wheat, edible beans, grain sorghum, sugar beets, potatoes, cotton and alfalfa

FEATURES & BENEFITS

- Ultimate tank mix formulation compatibility
- Ideal tank-mix partner with fungicide applications
- Maximum nutrient mobility and efficiency, allowing for a lower application rate per acre
- Low salt index and low impurities
- Contains a proprietary, high efficiency form of boron
- Healthier plants, stress mitigation, enhanced quality and yield

MICRONUTRIENTS

- Boron is essential to new growth, pollination, and reproduction. It stabilizes cell walls, which provides plant structure and integrity. It also aids in nitrogen assimilation and root nodulation formation, which enhances nitrogen uptake and utilization.
- Potassium assists with drought tolerance, nodulation, lodging resistance and defense against insects and diseases. It is critical to high yields.

DIRECTIONS FOR USE

Use Rate:

- Apply 1-2 quarts per acre per application throughout the growing season. More frequent applications at 1 pint per acre may be needed to correct deficiencies once they occur.
- For best results, apply in late vegetative stages and/or early reproductive stages.

Other Considerations:

- Spray volume (ground application): Minimum 10 gallons per acre (GPA)
- Spray volume (aerial application): Minimum 2 gallons per acre (GPA)
- Labeled for Chemigation
- Recommend spray carriers: commercial liquid fertilizers, herbicides, fungicides, adjuvants and water
- Avoid freezing

Package Choices:

- 2x2.5 gallon jugs
- 250-gallon totes

ACTIVE INGREDIENTS

Guaranteed Analysis	2-0-16
Nitrogen (N).....	2.00%
2.0% Urea Nitrogen	
Soluble Potash (K ₂ O).....	16.00%
Boron (B).....	2.50%
Molybdenum (Mo).....	0.20%
	EDTA Chelated

One of the only products on the market with 16% potassium combined with nitrogen, boron and molybdenum in a highly stable and tank-mix friendly formulation. This formulation allows plants transitioning from vegetative to reproductive stages to gain access to potassium that becomes difficult to mineralize from soils, while bringing in critical micronutrients, molybdenum and boron, for grain establishment and fill.



NutriBoost S-17

Improve Nutrition

NutriBoost S-17 is specifically formulated for foliar delivery of sulfur.

Sulfur is important for chlorophyll formation, nodulation, enzyme activation, and S-containing amino acids.

RECOMMENDED CROPS

Corn, soybeans, wheat, edible beans, grain sorghum, sugar beets, potatoes and alfalfa

FEATURES & BENEFITS

- Essential for chlorophyll production
- Aids in protein and enzyme synthesis
- Enhances nitrogen use efficiency
- Ultimate tank mix partner
- Maximum nutrient mobility and efficiency, allowing for a lower application rate per acre
- Low salt index and low impurities

DIRECTIONS FOR USE

Optimum rate of application will vary depending on soil properties (such as pH, organic matter content, texture), weather conditions, time of year, plant species and general health. For best results, follow soil/tissue test recommendation.

Use Rate:

Foliar

Apply 1/2–4 quarts per acre per application throughout the growing season. More frequent applications at 1–2 pints per acre may be needed to correct deficiencies once they occur.

Soil Applications

Field and Row Crops: 2–4 quarts per acre banded either as a stand alone or in combination with liquid NPK starter fertilizers at planting or as a side-dress during the season.

Package Choices:

- 2x2.5 gallon jugs
- 250-gallon totes

ACTIVE INGREDIENTS

Guaranteed Analysis

Nitrogen (N).....	8.00%
0.14% Urea Nitrogen	
7.86% Ammonical Nitrogen	
Sulfur (S)	17.00%

Derived from urea and ammonium thiosulfate.

For best results, use in conjunction with a prior application of Residue Release, early-post-emerge and/or with NutriBoost NKB in late vegetative to early-reproductive stages.



Optalign Complete

AMS-Based Water Conditioner and Surfactant System with Oil Based Drift Control

Optalign Complete is an all-in-one approved tank mix partner for Enlist One®, Enlist Duo®, Liberty® Herbicide and Roundup®.

Optalign Complete is a blend of water conditioning agent (ammonium sulfate), surfactants, drift reduction agents and humectants. Optalign Complete contains antifoaming agent to minimize foaming.

Optalign Complete may be used with pesticides that either require or suggest the use of surfactants and/or ammonium sulfate as the recommended adjuvant.

RECOMMENDED CROPS

Corn, soybeans, wheat, edible beans, grain sorghum, sugar beets, potatoes and alfalfa

FEATURES & BENEFITS

- Increased weed kill
- All-in-one technology with superior performance
- Ultimate convenience at the spray trailer
- Designed for glyphosate, glufosinate, Enlist and other herbicides requiring a high load of AMS
- Approved tank mix partner for Enlist One, Enlist Duo, Liberty and Roundup
- Pre-dissolved liquid ammonium sulfate means reduced nozzle plugging and sediment and performance
- Creates ideal droplet size and spray pattern for optimum coverage

DIRECTIONS FOR USE

Always follow label instructions.

Use Rate: Optalign Complete should be used at a rate of 1 gallon per 100 gallons of spray volume with Roundup and Enlist. Use a rate of 2 gallons per 100 gallons of spray volume with Liberty.

Storage: Store in a closed, dry area and in original container and keep sealed. Avoid freezing.

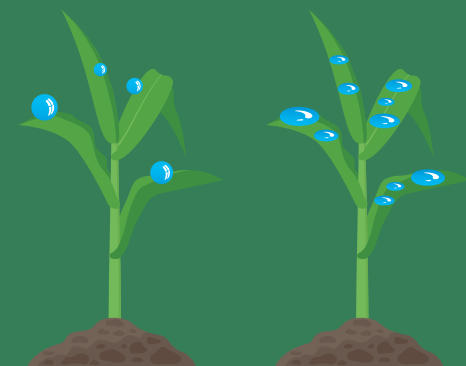
Packaging:

- 2x2.5 gallon jugs
- 250-gallon totes

ACTIVE INGREDIENTS

Ammonium Sulfate, Humectant, substituted fatty alkylammonium alkylcarboxylate, alkyl poly glucoside, modified vegetable oil, amine salts of organic acids, organic acids.....	41.6%
Constituents ineffective as spray adjuvant.....	58.4%
TOTAL.....	100%
Components exempt from the requirement of a tolerance in CFR 40 180, 920, 930, 940, 950, 960 & 25B	

Decrease driftable fines by 25% and create the perfect droplet size for optimal coverage.



Without

With Optalign Complete



Optalign 2D

More Active Ingredients On Target

Optalign 2D is an Enlist® and Xtendimax® approved multi-purpose adjuvant. It minimizes drift, and improves deposition and spreading of spray droplets on the leaf.

RECOMMENDED CROPS

Corn, soybeans, wheat, edible beans, grain sorghum, sugar beets, potatoes and alfalfa

FEATURES & BENEFITS

- Low use rate and labeled for a broad range of herbicides, fungicides and insecticides
- Approved for use with Enlist and Xtendimax® technologies
- Reduces fines and the negative effects associated with off target drift
- Provides more droplets in the desired diameter
- Enables delivery of more active ingredients to the plant canopy and consistently improves leaf coverage
- Increased control of target pest(s)

DIRECTIONS FOR USE

Always follow label instructions.

Use Rate: For use with herbicides, insecticides and fungicides.

- 3-6 oz. per acre in 5-20 GPA applications
- 6-8 oz. per acre in 20-40 GPA applications
- 8-10 oz. per acre in 40-60 GPA applications

Other Considerations:

- Approved for ground and aerial application

Storage: Store in a closed, dry area and in original container and keep sealed. Avoid freezing.

Packaging:

- 2x2.5 gallon jugs
- 250-gallon totes

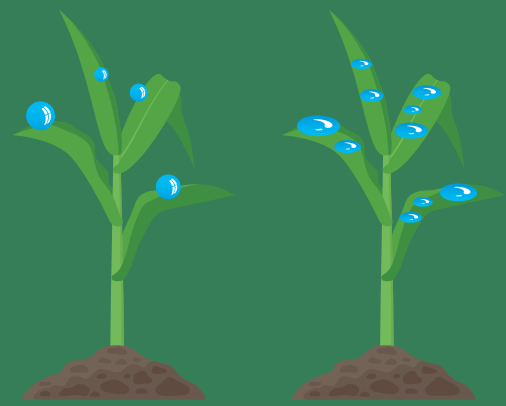
ACTIVE INGREDIENTS

Soybean oil; castor oil, ethoxylate oleate.....	100%
TOTAL.....	100%

All ingredients are approved for use under 40 CFR 180

Surfactant content: 15%

Decrease driftable fines by 25% and create the perfect droplet size for optimal coverage.



Without

With Optalign



Optalign Exact

All-In-One DRA, VRA, Water Conditioner and Wetter for Use with Dicamba

Optalign Exact is a volatility and drift reduction adjuvant designed for use in dicamba tolerant cropping systems.

Optalign Exact uses a specially balanced buffering and volatility control system to provide a tank pH of at least 5.0 when tank mixed with glyphosate and dicamba herbicides. It also provides ammonium free water conditioning and wetting which meets the label requirements for mixing with approved dicamba products to be applied on dicamba tolerant crops.

RECOMMENDED CROPS

Approved for use with dicamba-labeled crops

FEATURES & BENEFITS

- Includes VRA, DRA and water conditioner in a convenient, easy-to-use, all-in-one premix for use with dicamba-based herbicides
- Low use rate
- XtendiMax® and Engenia® Herbicide approved
- Water conditioner enables optimal performance of pesticides and low foaming formulation for easy use
- Mixes well with foliar-based nutrients
- Low foaming formulation
- Improves spray droplet retention, coverage and drift control

DIRECTIONS FOR USE

Prior to use, read all the directions on this label and on the label of all pesticides, fertilizers, and any other tank mix additives. When using along with dicamba in dicamba tolerant crops review the website associated with the relevant dicamba containing product for any additional tank mix instructions.

Optalign Exact should be used along with nozzle and pressure combination sufficient to generate an Ultra-Course droplet spectrum and suitable spray pattern.

Use Rate: Use Optalign Exact at a rate of 1.25 gallons per 100 gal spray mixture, or 24 ounces per acre at 15 gpa.

Storage: Store in a closed, dry area and in original container and keep sealed. Avoid freezing.

Packaging:

- 2x2.5 gallon jugs
- 250-gallon totes

ACTIVE INGREDIENTS

Modified Vegetable Oil, Amine Salts of Tripotassium citrate monohydrate, Alkyl Polyglucoside, poly(1-carbamoylethylene)	20.2%
Potassium Hydroxide / Ethanoic Acid	37.0%
CONSTITUENTS INEFFECTIVE AS SPRAY ADJUVANTS.....	42.8%

All ingredients are exempt from tolerance as specified in 40 CFR 180



OptalignMSO

High-Load Methylated Seed Oil

Optalign MSO is a high-load methylated seed oil and surfactant formulation by Streamline Ag.

RECOMMENDED CROPS

Corn, soybeans, wheat, edible beans, grain sorghum, sugar beets, potatoes and alfalfa

FEATURES & BENEFITS

- High-load methylated soy oil for improved performance of herbicides requiring a methylated seed oil
- Superior surfactant system for increased pesticide uptake and effectiveness
- 50% of the use rate of ordinary methylated seed oils and crop oil
- Approved for Enlist One® and Enlist Duo®
- Increases canopy penetration and leaf surface coverage
- Helps herbicides perform when weeds are under stressful, hot, dry weather conditions
- Improves performance of a wide range of herbicide tank mixes

DIRECTIONS FOR USE

Always follow label instructions.

Use Rate: Use 2 quarts per 100 gallons of spray solution or a minimum of 12 ounces per acre. Recommended rate is 24 ounces per acre.

Storage: Store in a closed, dry area and in original container and keep sealed. Avoid freezing.

Packaging:

- 2x2.5 gallon jugs
- 250-gallon totes

ACTIVE INGREDIENTS

Modified Vegetable Oil.....	60%
Proprietary blend of (non APE/NPE) Emulsifier.....	40%
TOTAL.....	100%

All ingredients are exempt from tolerance requirements under 40 CFs 180.100(d)