



An open-source revolution for Farmers that demand change.

Mutiny was created for Farmers by Farmers. We believe the Ag Industry as a whole has been taken advantage of by there being so many hands dipping into the jar. Our vision is simple. Source the highest quality products directly from the source to you. This philosophy may not be good for what we like to call "Big Ag," however it's good for the people that matter and that's the growers. It's time we not only demand change, it's time we make a change!

MUTINY LIQUID LITTER



3-5 gallons per application. Can be used pre plant, in furrow, 2x2, side dress, or Y-drop.

Product contains all of the "magic" we know from chicken litter, while removing weed seeds and yield robbing pathogens.

Product flows well. It has been filtered through a 200+ mesh screen during the manufacturing/ extraction process.

Adds to the biodiversity of the soil. Loaded with beneficial bacteria, fungi, and amino acids.

Natural Hormone production. The microbes that are present in Liquid Litter are proven to help promote the production of the hormones listed below. You will see similar responses as you would from a PGR application.

Auxin (IAA)

Cytokinin

Gibberellin (Gib Acid)

Indole-3-Acetic Acid

Improved Stress Tolerance:

Microbes present in Liquid Litter influence the production of Exopolysaccharide (EPS) and Salicylic Acid in the plant.

EPS production helps in increasing water permeability, nutrient uptake by roots, and tolerance to environmental stresses.

Improves nutrient mineralization:

Will see improved plant concentrations of Phosphorus, zinc, iron, sulfur, and copper.

Contains a non pathogenic soil yeast.

Soil yeasts exhibit an array of beneficial effects to plants. These include plant growth promotion, phosphate solubilization, nitrogen and sulphur oxidation, etc.

Loaded with Amino Acids and peptides

Amino acids are the building blocks for protein. Amino acids are essential for plant metabolism, protein synthesis, plant growth and development, plant nutrition, and stress response.





BY MUTINY CROP PERFORMANCE

GENERAL INFORMATION:

Mutiny™ aKtive H is an OMRI-Listed 60%–70% humic and fulvic acid activated with potassium hydroxide to become an excellent soil conditioner. Improved solubility (76% soluble) speeds activity in the soil for enhanced microbial uptake and growth. The product is coated and screened to various particle sizes (the standard size is 1–3 mm, custom sizes are available). Mutiny™ aKtive H also contains many supplemental natural minerals in trace amounts.

PRODUCT BENEFITS:

- Uniform granular size promotes even coverage/distribution of humic/fulvic acid for short-term carbon benefit.
- ← With the potassium hydroxide, becomes a short-term soil organic-matter builder.
- ← Increased water penetration.
- ← Increased flocculation of clays.
- ← Promotes conversion of fertilizer into plant-available food.
- ← Increases soil nutrient mineralization.
- ← Sort-term soil microbial activation.

Deficiency Symptoms—When to Apply:

- ← Low organic matter
- ← Low-fertility soil
- ← Continuous use, tired soils

PRODUCT AVAILABILITY:

Products are available in 50 LB Bags

0-0-3 **GUARANTEED ANALYSIS**

Soluble Potash (K2O)......3.0%

Derived from: Potassium Hydroxide and Oxidized Leonardite

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

Total Humic Acid and Fulvic Acid......60.0%-70.0%

RECOMMENDED USE RATE

- Mutiny™ aKtive H should be applied when tissue and soil analysis identifies the need and proper rate of application for this product.
- Best results will be obtained when application is concentrated in the active root zone. Can be applied in combination with compatible plant growth regulators, pesticides, or other granular fertilizers.
- Apply by broadcast whether through air or ground machine.
 Mutiny™ aKtive H can be applied to all soil types for
 agriculture fields, ornamentals, lawns, gardens, and
 landscapes.
- Application timing, intervals, and rates may vary according
 to individual crop requirement, stage of development,
 available nutrient levels in the soil, and overall nutritional
 status of the crop. Soil moisture is required for maximum
 bioactivity. If soil is dry, moisture should be provided by
 irrigation.

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CHAOSTM P

NUTRITIONAL

Mutiny Chaos™ P has phosphatase enzymes contained in releases of phosphate from organic phosphate sources in the soil. The mannanase enzyme releases sugars from polysaccharide chains. This product is designed for dissolving in water and applied through fertilizing equipment, injected into irrigation systems 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. Chaos™ P is a groundbreaking new enzyme technology that enhances water and nutrient availability, uptake and use by the roots and increases microbial activity. The result is improved soil and plant health, increased root mass and improved drought and stress tolerance.

Mutiny Chaos™ P enzymes undergo a patent pending process that prev/ents the enzymes from degrading in the soil too quickly after application. This allows them to remain active longer and substantially increases enzyme efficacy. This is an entirely new technology and scientific breakthrough for agriculture. Enzymes are non-living organisms, which makes them more stable in the soil. When they are applied to the soil, they are immediately active and perform consistently across all soil types.

PRODUCT BENEFITS

- More water and nutrient uptake
- Increased plant response to fertilizer applications
- Gets plants off to a strong start
- Increased microbial activity
- Larger, healthier root systems
- Improved stress and drought tolerance
- Increased yield

GUARANTEED ANALYSIS:

Total Nitrogen (N)	12.0%
12.0% Ammoniacal nitrogen	
Available Phosphate (P2O5)	58.0%

Derived from monoammonium phosphate.

Non Plant Food Ingredients:

Phosphatase	5.0 x 10 ² μUnits/g
Mannanase	2.2 x 106 µUnits/g

DIRECTIONS FOR USE & RECOMMENDED USE RATE

Dissolve 5-30 lb in sufficient water to treat one acre. DO NOT exceed 1 lb Mutiny Chaos™ P per gallon of water. Repeat as needed.

The Importance Of Enzymes and How They Function In Crops

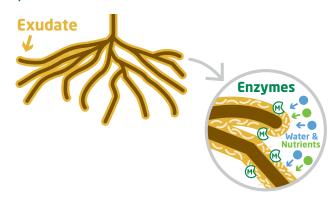
- Enzymes are non-living proteins made by plants, microbes or other organisms in the soil proteins.
- Enzyme activity is an indicator of healthy soils.
- Enzymes act as catalysts that perform very specific functions and create chemical reactions in the soil.
- Typically, enzymes either cleave something apart or pull something together. Enzymes impact:
 - a. Organic matter breakdown
 - b. Nitrogen fixation and conversion
 - c. Nutrient availability and uptake
 - d. Pesticide degradation

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Mannanase enzyme - its primary function is to break down starches in the exudate that surrounds the outermost layer of the root tips. This chemical reaction creates a draw of water and nutrients to the root zone and releases sugars to the plant. This in turn boosts root growth and increases microbial activity.



Lipase enzyme - its primary function is to break down lipids in root exudates and organic residue in the soil allowing for better water flow and nutrient uptake by the roots.

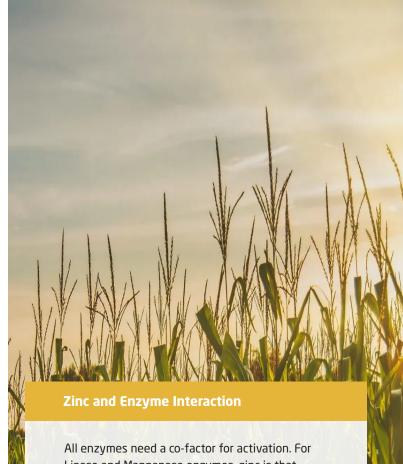
Bio-Available Nutrients

Enzymes

Organic Residue

Phosphatase enzyme - its primary function is to convert tied up organic phosphate into soluble, bio-available phosphate that is immediately available for plant use. This reaction significantly increases nutrient availability and uptake.

Permitted up organic phosphate into soluble, bio-available phosphate that is immediately available for plant use. This reaction significantly increases nutrient availability and uptake.



All enzymes need a co-factor for activation. For Lipase and Mannanase enzymes, zinc is that co-factor. The zinc ignites enzyme activity, which allows the enzymes to perform their chemical reactions faster and more effectively. The boost in enzyme activity increases total water and nutrient uptake.

Unleash the Organic Phosphate in Your Soil

% Organic Matter	Soil Organic Matter (lbs/acre/ft) approx	P ₂ O ₅ tied up as Organic P (lbs/acre/ft of soil) approx
0.5	17,150	230
1.0	34,290	460
1.5	51,440	690
2.0	68,590	910
2.5	85,740	1,140
3.0	102,890	1,370
(Doran 2012)		

CHAOS™ K

NUTRITIONAL

Mutiny Chaos™ K has phosphatase enzymes contained in releases of phosphate from organic phosphate sources in the soil. The mannanase enzyme releases sugars from polysaccharide chains. This product is designed for dissolving in water and applied through fertilizing equipment, injected into irrigation systems into actively growing root zones, or injected near the seed during planting. Chaos™ K is a groundbreaking new enzyme technology that enhances water and nutrient availability, uptake and use by the roots and increases microbial activity. The result is improved soil and plant health, increased root mass and improved drought and stress tolerance.

Mutiny Chaos™ K enzymes undergo a patent pending process that prev/ents the enzymes from degrading in the soil too quickly after application. This allows them to remain active longer and substantially increases enzyme efficacy. This is an entirely new technology and scientific breakthrough for agriculture. Enzymes are non-living organisms, which makes them more stable in the soil. When they are applied to the soil, they are immediately active and perform consistently across all soil types.

Product Benefits

- More water and nutrient uptake
- Increased plant response to fertilizer applications
- Gets plants off to a strong start
- Increased microbial activity
- Larger, healthier root systems
- Improved stress and drought tolerance
- Increased yield

GUARANTEED ANALYSIS:

Total Nitrogen (N)	5.0%
5.0% Nitrate nitrogen	
Soluble Potash (K2O)	49.0%
Sulfur (S)	. 8.0%

Derived from potassium nitrate, potassium sulfate and muriate of potash.

Non Plant Food Ingredients:

Phosphatase	 . 3.5 x 10 ² µUnits/g	g
Mannanase	 . 1.5 x 106 µUnits/	g

DIRECTIONS FOR USE & RECOMMENDED USE RATE

Dissolve 5-30 lb in sufficient water to treat one acre. DO NOT exceed 1 lb Mutiny Chaos™ K per gallon of water. Repeat as needed.

The Importance Of Enzymes and How They Function In Crops

- Enzymes are non-living proteins made by plants, microbes or other organisms in the soil proteins.
- Enzyme activity is an indicator of healthy soils.
- Enzymes act as catalysts that perform very specific functions and create chemical reactions in the soil.
- Typically, enzymes either cleave something apart or pull something together. Enzymes impact:
- Organic matter breakdown
- Nitrogen fixation and conversion
- · Nutrient availability and uptake
- Pesticide degradation

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REVOLUTIONARY ENZYME PROTECTION PROCESS KEEPS ENZYMES ACTIVE IN SOIL LONGER AND IMPROVES EFFICENCY.





Improved plant health, improved nutrient and water uptake



Improved stress tolerance



Improved quality and yield



Enhanced plant response to applied fertilizers - increased bushels

The Difference Between Enzyme and Microbial Products

Microbial products contain live microbes. To survive in the soil, microbes require nutrients, optimal pH, salt and organic matter - which causes them to have a high death rate, especially during harvest and tilling. It takes months to build up microbe levels in the soil.

In contrast, enzymes are non-living organisms, which makes them more stable in the soil. When they are applied to the soil, they are immediately active and perform consistently across all soil types.





Live organism

Takes time to build up microbe numbers in the soil



Have a high death rate



Require optimal pH and soil conditions to survive

K BLOOM™

FOLIAR NUTRITION

BY MUTINY CROP PERFORMANCE

FUELING YOUR HIGH-YIELD REVOLUTION

Season-long plant health is critical to maximizing genetic potential. Foliar feeding is one of the most efficient ways to supply nutrition to crops during critical growth stages. K-BLOOM™ by Mutiny Crop Performance™ is a 2-0-16 formulation with a boost of boron. It is ideal for in-season nutrient applications on row crops and is an *excellent*

K-BLOOM[™] is approved for use with XtendiMax[°], Engenia[°], FeXapan[™], Enlist Duo[®] and Enlist One[®]. For info, visit:

- XtendiMaxApplicationRequirements.com
- EngeniaTankMix.com

tank mix partner.

- FeXapanApplicationRequirements.dupont.com
- Enlist.com/en/herbicides/approved-tank-mix.html

PRODUCT BENEFITS

- Ultimate tank mix formulation compatibility
 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
- At a value that just makes sense

ACTIVE INGREDIENTS

Guaranteed Analysis	2-0-16
Nitrogen(N)	2.00%
2.0% Urea Nitrogen	
Soluble Potash (K2Q)	16.00%
Boron (B)	2.50%
Molybdenum (Mo)	0.20%

AGRONOMIC BENEFITS

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, which enhances nitrogen uptake and utilization.

Potassium assists with drought tolerance, nodulation, lodging resistance and defense against insects and diseases. Critical to high yields.

APPLICATION RECOMMENDATIONS

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.

PRODUCT AVAILABILITY

Products are available in both 2.5 gallon jugs and 250 gallon totes.

ADDITIONAL SPECIFICATIONS

Weight Per Gal: 11.2 lb/gal Specific Gravity: 1.34 @ 30-95 °F

*The above specifications are a target rate and could vary within 1%

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K BLOOM™ + FE

FOLIAR NUTRITION

BY MUTINY CROP PERFORMANCE

FUELING YOUR MIGH-YIELD REVOLUTION

Season-long plant health is critical to maximizing genetic potential. Foliar feeding is one of the most efficient ways to supply nutrition to crops during critical growth stages. K-BLOOM & FE by Mutiny Crop Performance is a 2-0-15 formulation with a boost of boron and iron. It is ideal for in-season nutrient applications on row crops and is an excellent tank mix partner.

- XtendiMaxApplicationRequir ments.com
- EngeniaTankMix.com
- FeXapanApplicationRequirements.dupont.com
- Enlist.com/en/herbicides/approved-tank-mix.html

PRODUCT BENEFITS

Ultimate tank mix formulation compatibility 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
- · At a value that just makes sense

PRODUCT AVAILABILITY

Products are available in both 2.5 gallon jugs and 250 gallon totes.

ACTIVE INGREDIENTS

GuaranteedAnalysis	2-0-15
Nitrogen (N)	2.00%
2.0% Ur ea Nitrogen	
Soluble Potash (K ₂ O)	15.00%
Boron (B)	2.30%
Molybdenum (Mo)	0.18%
Iron (Fe)	0.50%

AGRONOMIC BENEFITS

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, which enhances nitrogen uptake and utilization.

Potassium assists with drought tolerance, nodulation, lodging resistance and defense against insects and diseases. Critical to high yields.

Iron plays a major roll in the plant during photosynthesis. It also helps move oxygen throughout the plant and reduces stress.

APPLICATION RECOMMENDATIONS

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.

ADDITIONAL SPECIFICATIONS

Weight Per Gal: 11.04 lb/ gal

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IN-FURROW

MUTINY MOAT™ is designed for in furrow use on corn (also used in furrow on cotton and sorghum).

Moat has a high rate of plant growth promoter, organic acids, amino acids, cold water algae, and other proprietary biologicals inputs.

PRODUCT BENEFITS:

- MOAT[™] also contains zinc and molybdenum
- Genetic signaling is enhanced by up to 300%, improving nutrient uptake and translocation, as well as providing powerful stress mitigation.
- Root mass, biomass, and early phosphorus levels greatly increase for high corn yields.
- Moat has shown as average increase of 1.7 rows around in corn from 2020-2024

Patented Plant Growth Promoter:

- Faster germination and emergence when applied in furrow.
- Increased nutrient uptake and translocation in the plant.
- Improved stress tolerance and disease resistance in treated crops.

GUARANTEED ANALYSIS: 0.7-0-0

Total Nitrogen (N)......0.70% Water Soluble Zinc.....1.26%

Dervied from ammonium Hydroxide and Zinc EDTA

Non Plant Food Ingredients:

Humic Acid	4.0%
Fulvic Acid	1.0%

DIRECTIONS FOR USE & RECOMMENDED USE RATE

For in-furrow application: 1 gallon per acre

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MUTINY™ 10% BORON

NUTRITIONAL

BY MUTINY CROP PERFORMANCE

Boron is critical to development and growth of new cells in the plant meristem, affecting terminal growth, flowering and fruit development. Boron is also required for protein synthesis, pollination and reproduction. Boron is one of the most common micro nutrient deficiencies. Without sufficient levels of boron many plant functions can be impaired. Low B can negatively impact vegetative and reproductive growth, cell and tissue growth and reproductive capacity, MUTINY 10% BORON is an effective, readily available source of boron for soil and foliar applications to field, row, vegetable, fruit, tree, and vine crops.

AGRONOMIC BENEFITS

Boron: provides structural integrity and flexibility to the primary cell walls. It also improves vegetative and reproductive growth.

PRODUCT BENEFITS

- Highly soluble and stable across a broad pH range
- Boron stays in suspension when it comes in contact with acidic solutions
- Compatible with other micro nutrients, including Zn and Ca
- Compatible with insecticides, herbicides and fungicides that have very specific pH

PRODUCT AVAILABILITY

Products are available in both 2.5 gallon jugs and 250 gallon totes.

ADDITIONAL SPECIFICATIONS

Weight Per Gal: 11.2 lb/gal Specific Gravity: 1.33 @ 30-95 °F *The above specifications are a target rate and could vary within 1%

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ACTIVE INGREDIENTS

Guaranteed Analysis

Boron(B).....10.00% 10% Water soluble boron

Derived from boron acid

APPLICATION RECOMMENDATIONS

Foliar Application

Apply up to 5 quarts per acre in sufficient water for thorough coverage. Use at least 1 gallon of water for each pint of MUTINY™ 10% BORON. Early morning or late evening applications give the best results. Boron is not easily translocated within the plant, therefore multiple foliar applications at low rates during the growing season are most effective. Allow 14-21 days between treatments.

Soil Application

Apply up to 3 gallons per acre in sufficient carrier to give complete coverage. Do not use in soil applications where it will directly contact the seed. Soil applied boron must be moved into the root zone to be absorbed by the plant. This can be accomplished by irrigation, rainfall, or tillage.

MUTINY™ 10% BORON may also be applied via drip or sprinkler fertigation using rates list ed above.

Optimum rate of application will vary depending on treatment in-terval, soil properties (such as pH, organic matter content, texture), weather conditions, time of year, plant species and its nutrient require ments. For best results, follow soil/tissue test recommendation.





GENERAL INFORMATION:

Mutiny Revival[™] is used in furrow and foliar, has been used in countless farm records, state records and even in the past six World Records. This is our number one product across the country for corn, soybeans, wheat, cotton, and speciality crops.

PRODUCT BENEFITS:

- Mutiny Revival™ consist of six biological base components with over 100 individual compounds that stimulate plants and microbes. It also contains two specific micronutrients that enhance the stimulation and population of soil microorganisms.
- Broad spectrum food source for soil microbes that increases populations of both beneficial bacteria and fungi.
- Patented PGP, plus a secondary proprietary plant growth promoter, which is highly synergistic with the original PGP. Together these PGPs increase resistance to both biotic and abiotic stresses.
 - -Faster germination and emergence when applied in furrow
 - -Increased nutrient uptake and translocation in the plant
 - -Improved abiotic stress tolerance and disease/insect resistance in treated crops
 - -Improved rhizosphere and phyllosphere population and diversity

GUARANTEED ANALYSIS: 0-0-1

REC OMMENDED USE RATE

In furrow: 2-4 qts. per acre Foliar application with nutrients: 2 qts. per acre per application

Foliar application with post herbicides:

1 qt. per acre

PRODUCT AVAILABILITY:

Products are available in both 2.5 gallon jugs and 250 gallon totes.

ADDITIONAL SPECIFICATIONS:

Weight Per Gal: 8.69 lb/gal

* The above specifications are a target rate and could vary within 1%



MUTINY™ ZINC 9%

NUTRITIONAL

BY MUTINY CROP PERFORMANCE

MUTINY™ Zinc 9% offers high quality, fully chelated EDTA micronutrients. The chelation shields and protects the nutrients, which prevents them from reacting and binding with other elements in the soil and other fertilizers. This protection helps ensure

that nutrients remain available to the plant in a wide range of tank mixes, as well as pH and soil conditions.

MUTINY™ Zinc 9% can withstand even the most challenging soil conditions, such as high alkaline calcareous soils. MUTINY™ Zinc 9% also offers superior tank mix compatibility and will perform in complex tank mix situations, such as neutralized orthophosphate solutions.

MUTINY™ Zinc 9% has been approved as a tank mix partner with the 2, 4-D based herbicide, Enlist Duo with Colex-D Technology.

APPLICATION INSTRUCTIONS & USE RATES

MUTINY™ Zinc 9% is recommended to correct zinc deficiencies. Zinc 9% should be used on the basis of a soil and/or tissue analysis.

Use at a rate of 1 quart per acre.

SOIL APPLICATION:

Formulated and compatible for use in all liquid suspension fertilizers. Use recommended rates only from a soil or plant analysis where it is required by law.

FOLIAR APPLICATION:

Apply a minimum of 10 gallons of water per acre with use of MUTINY™ Zinc 9% to foliage with ground spray equipment.

MIXING:

- 1. Pour 1/3 water or fertilizer in tank
- 2. Add other pesticides
- 3. Fill tank with a balance of water or fertilizer
- 4. Add Zinc 9%
- 5. Agitate to assure proper mixing

PRODUCT AVAILABILITY

Products are available in both 2.5 gallon jugs and 250 gallon totes.

GUARANTEED ANALYSIS

Zinc 9% 9.0%

9.0% Chelated Zinc (Zn)
Derived from Zinc EDTA

PRODUCT BENEFITS

- Ideal for use with liquid starter fertilizers and as a foliar application in difficult tank mixes
- Superior compatibility with:
 - Almost all NPK fertilizers
 - Thiosulfate solutions
 - Orthophosphates, Polyphosphates
 - High pH solutions
 - Nitrogen and SRN solutions
- Application flexibility. May be mixed directly into growing media, applied as a soil drench or added to fertigation systems.
- More efficient than other forms of nutrients; up to 6x ratio in harsh soil conditions

NOTICE:

Manufacturer warrants that Zinc 9% conforms to its chemical description and will perform as stated on the label when used according to directions and under normal conditions. Neither this warranty or any oth er warranty of merchantability, expressed or implied, extends to the use of this product contrary to label directions. Buyer assumes all risk if Zinc 9% is used in any manner or under any condition other than those specifically set forth on the label.

ADDITIONAL SPECIFICATIONS

Weight Per Gal: 10.9 lb/gal Specific Gravity: 1.30 @ 30-95 °F

*The above specifications are a target rate and could vary within 1%

Visit MutinyAg.com for more information!

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MUTINY™ 3 PEAT RELIEF

NUTRITIONAL

BY MUTINY CROP PERFORMANCE™

REDUCE PLANT STRESS - PROTECT AND ENHANCE GENETIC POTENTIAL

MUTINY™ 3 PEAT RELIEF is a first-pass solution specifically formulated to protect and reduce yield loss of crops under abiotic stress conditions.

By combining nutrients with stress mitigation ingredients, MUTINY 3 PEAT RELIEF allows growers to see more value in the nutrients made available to the plant.

PRODUCT BENEFITS

- Protects a farmer's investment during critical growth stages
- Shields impact of abiotic stresses, securing increased yield potential
- Promotes vegetative and reproductive growth during key rain events on stressed acres

STRESS MITIGATION VALUE

L-Proline: an anti-stressor (osmotic regulator) amino acid accumulated by plants to fight off abiotic stresss. Plants primed with Proline are tolerant to stress before the event occurs. Proline is an antioxidant that regulates the balance of active oxidation in plant cells through a synergistic relationship.

Phenolic Acid Compounds: metabolites play an important role as local or systemic resistance builders in protecting plants against pathogens. Phenolic Acid compounds are more potent than humic and fulvic as they are naturally released from the plant's seeds, roots, and/or residue decomposition to improve tolerance to stress and signal cell wall growth.

Guaranteed Analysis 5-0-0

ACTIVE INGREDIENTS	
Nitrogen (N)	5.00%
4.0% Urea Nitrogen	
1.0% Other nitrogen	
Sulfur (S.)	1_00%
Boron (B)	0_13%
Manganese (Mn)	0.50%
Molybdenum (MΩ)	0.0.13%
Zinc (Zn)	0_50%
Derived from urea, zinc sulfate, managanese su	lfate, boric acid, sodium molybdate
ALSO CONTAINS NON-PLANT FOOD INGREDIENT	S:
L-Proline	5,,000 ppm
Phenolic Acids	1.9,800 ppm

RECOMMENDED USE RATE

FOLIAR APPLICATION

Apply 1 qt/acre and repeat as needed.

MUTINY 3 PEAT RELIEF is more effective if applied prior to stress events or during rapid vegetative growth stages. Application may also be beneficial during early to mid-flowering growth stages.

PRODUCT AVAILABILITY

- · 2x2.5 gallon jugs
- · 250-gallon tote

Density: 9.09 lb/gal

Visit MutinyAg.com for more information!

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RIDIN' DIRTY

HUMIC/FULVIC ACID

BY MUTINY CROP PERFORMANCE

RIDIN DIRTY™ by Mutiny Crop Performance™ is a humic/fulvic acid product designed to stimulate soil biology, buffer salts, and increase nutrient availability.

RIDIN DIRTY[™] should always be used as as part of a standard fertility program. RIDIN DIRTY[™] can be used alone or blended with liquid fertilizer mixtures containing micronutrients.

Humic Acid

Humic Acid plays important roles such as increasing soils physical and biochemical activities by improving soil structure, texture and water holding capacity. Also Provides a carbon source for the microbes in the soil which will increase nutrient uptake into the plant.

Fulvic Acid

Fulvic Acid may stimulate root growth and increase root functions which will lead to nutrient uptake. It is also known to improve the plants natural resistance to environmental stress. Fulvic Acid also acts as a chelator which will improve foliar uptake of nutrients.

0-0-1

GUARANTEED ANALYSIS

Soluble Potash (K2O)	1.0%
Cobalt (Co)	0.0005%
Derived From: Potassium Hy	droxide and Cobalt Sulfate

NON PLANT FOOD INGREDIENTS

Humic Acid	12%
Fulvic Acid	4%

RECOMMENDED USE RATE

Soil application: Apply 1-2 pints per acre applied in furrow, band, or side dressed.

Foliar Application: Apply 1 pint per acre to promote absorption.

Drip Irrigation: 1-2 pints per acre

PRODUCT AVAILABILITY

Products are available in both 2.5 gallon jugs and 250 gallon totes.

ADDITIONAL SPECIFICATIONS

Weight Per Gal: 8.8 lb/gal

* The above *specifications* are a target rate and could vary within 1%

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SATIS5DTM

FOLIAR

MUTINY™ Satis5d is a proprietary blend of soluble micronutrients used as a nutritional source of micronutirents. Satis5d™ is a foliar product designed for use on corn, soybeans, wheat, cotton, and rice and is complete with FE, CU, ZN, MO, Aminos and fulvic acids and PGP. Satis5d is non-phytotoxic and can be applied foliar to most crops and also can be applied to soil or as a seed treatment. Satis5d is envirometally safe, made with only "clean" raw materials, free from heavy metal contamination.

PRODUCT BENEFITS

- Micronutrients are often the MOST yield limiting factor in crop production. When N, P, and K are sufficient, typically some micronutrient will be limiting you from reaching your crops full potential. This micronutrient blendcan help overcome that and help you climb past your yield plateau's.
- Mutiny Satis5d™ is a blend of four micronutrients that improve plant health, fungicide activity, internode spacing, nitrogen utilization, and grain fill (seed weight).
- Balanced ratios of nutrients, engineered for maximum uptake of each nutrient
- Amino Acids, high rates of Fulvic Acids, and Mutiny's Xy-Phlo technology for increased absorption and translocation of nutrients
- Biological inputs aid in plant stress mitigation
- Minimize flower and pod abortion

GUARANTEED	ANALYSIS	
Copper (CU)		0.60%
Iron(FE)		4.00%
Molybdenum(M	10)	0.40%
Zinc(ZN)		1.25%

Derived from Iron Sulfate, Copper Sulfate, Sodium Molybdate and zinc Sulfate

DIRECTIONS FOR USE & RECOMMENDED USE RATE

The optimum rate and timing of application will depend on local conditions and should always be made as a result of soil and/or paint tissue analysis in consultation with your Mutiny Dealer. Please consult with your Mutiny Dealer for detailed information on use rates by crop and geographic location, in the absence of test results, use the following guide.

Application Method	Rate
Standard Broadcast Foliar	3-4 Pints/Acre
Corn Foliar	3-4 Pints/Acre
Cotton, Soybean & Wheat Foliar	3-4 Pints/Acre
Apply below 85	'F

Repeat as necessary if deficiency persist. Use sufficient water for thorough coverage. Ground: 10-20 gal water/Ac. Air: 3-5 gal water/Ac. If less water is used, slight burn can occur. Spray either early or later in the day for maximum absorption.

PRODUCT AVAILABIITY

Sold in 2.5 Gallon Jugs and 250 Gallon totes.

*Data available for additional information

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TOP RANK™SRN + B

FOLIAR NUTRITION

BY MUTINY CROP PERFORMANCE

LEADING THE CHARGE IN NUTRIENT DELIVERY

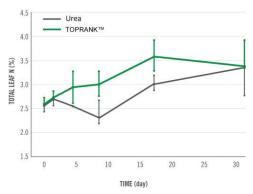
TOPRANK™ SRN+B by Mutiny Crop Performance[™] is specifically formulated for foliar delivery of nitrogen and boron. Foliar fertilization is an exceptionally effective way to apply micronutrients or trace elements, and supplement the major elements. Foliar micronutrients are more easily utilized because they do not have to be dissolved by moisture and go into the soil solution.

TOPRANK compounds are water soluble and the concentrate is uniform. It is chemically and physically distinct from simple urea and ammonia based fertilizers.

SRN is safe for foliar application and be can be applied at higher rates and with less risk of burn compared to Urea and UAN. Additionally, it is safe for aerial applications and compatible with post applied chemicals.

TOPRANK provides Boron critical for supporting the structural and functional integrity of plant cell membranes. Without sufficient levels of Boron, many plant functions can be impaired. Low B can negatively impact vegetative and reproductive growth, cell and tissue growth and reproductive capacity.

The unique properties of TOPRANK allow for application flexibility, providing efficient in-season nutrition as needed.



24-0-0 GUARANTEED ANALYSIS

Total Nitrogen (N) 24.00% 9.6% Urea nitrogen 14.4% Other water soluble nitrogen Boron (B) 1.00% Derived from triazone, methylene urea, urea, boric acid.

ACTIVE INGREDIENT COMPARISON

INGREDIENTS	TOPRANK™	CoRoN * 25-0-0 Plus 0.5% B*
% Slow Release Nitrogen (SRN)	60.00%	32.98%
Boron (B)	1.00%	0.50%

^{*} CoRoN is a registered trademark of Helena Holding Company

SRN polymers release N over a period of time providing a more uniform N supply through peak periods of N demand.

RECOMMENDED USE RATE

Corn: Apply 3-5 gallons per acre applied at V-5 to V-8 as a foliar application. 1-3 gallons per acre applied as a foliar application at pre-tassel as a Nitrogen (N) supplement. 1-2 gallons per acre applied as a foliar application when used with fungicides, insecticides. Soybeans : Apply 1-3 gallons per acre. Apply at V6-R4 growth stage.

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.

PRODUCT AVAILABILITY

Available in 250 gal totes and bulk tankers.

ADDITIONAL SPECIFICATIONS

Weight Per Gal: 10.2 lb/gal Specific Gravity: 1.222

* The above specifications are a target rate and could vary within 1%

Visit MutinyAg.com for more information!

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ARTILLERY™ 4.0

PLANT GROWTH REGULATOR

BY MUTINY CROP PERFORMANCE

Promote Plant Mass, Root Growth and Nutrient Efficiency to Deliver Professional Plus Profitable Yields

ARTILLERY™ 4.0 is a four active ingredient plant growth regulator labeled by the EPA. One of the highest performing products in it's class, ARTILLERY 4.0 stimulates cell division and root growth and delays senescence (aging) of the plant during periods of stress. Professional growers using ARTILLERY 4.0 will see more crop vigor at emergence and improved stay green during periods of stress.

RECOMMENDED CROPS

Row crops, cereals, specialty crops, forages, sod, and turfgrass.

FEATURES

- Convenient four active ingredient pre-mix, designed to enhance plant growth.
- Application flexibility from starter fertilizer to postemerge applications in many types of field crops.
- Low use rate formulation that is compatible with multiple tank mix partners.

BENEFITS

- Uniform plant emergence and early season vigor over a range of climate conditions.
- Enhanced nutrient efficiency and more yield stability in stress conditions.
- Improved harvest efficiency with reduced lodging risk and better stay green.
- Drive maximum root growth and plant biomass in high yield conditions

PRODUCT AVAILABILITY

- ARTILLERY 4.0 is available in 2x2.5 gallon packaging
- · 250-gallon mini bulk

Weight: 8.86lb/gal

Specific Gravity: 1.04 at 68°F (20°c)

Minimum Storage Temp: -22°F (-30°C)

ACTIVE INGREDIENTS	
Cytokinin (as kinetin)	0009%
Gibberellic Acid	0.005%
Indole-3-butyric Acid	
Indole-3-acetic Acid	0_0.05%
OTHER INGREDIENTS:	99.976%
Total	100.00%

This product contains:

0.002698 grams cytokinin

0.001499 grams gibberellic acid

0.001499 grams indole-3-butyric acid

and 0.001499 grams indole-3-acetic acid per fluid ounce.

ACTIVE INGREDIENT COMPARISON

INGREDIENTS	ARTILLERŸ 4.0	ASCEND	RADIATE	RECEPTOR
Cytokinin (as kinetin)	0.009%	0.090%	0.15%	0.0084%
Indole-3-butyric acid	0.005%	0.045%	0.85%	0.0042%
Gibberellic acid	0.005%	0.030%	0.00%	0.0026%

DIRECTIONS FOR USE & RECOMMENDED USE RATE

Best used in tank mix combinations applied either In furrow, planter popup bands or post-emerge applications. Compatible with a range of starter fertilizers, NPK fertilizers, side dress and foliar applications. Compatible with most post applied herbicides and active ingredient tank mix combinations. See individual product crop protection product labels for compatibility.

USE RATE:

ARTILLERY 4.0 is formulated and labeled for both foliar and in-furrow applications on corn, soybeans and wheat, at a recommended rate of 3 oz per acre.

When used as a seed treatment, use ARTILLERY 4.0 at a rate of 1.5 oz per 100 lbs of seed.

OTHER CONSIDERATIONS:

- Chemigation: Not Labeled
- Recommend Spray Carriers: commercial liquid fertilizers, water

STORAGE:

Store in a cool, dry area. Do not expose to direct sunlight. Keep container closed when not in use. Avoid containers, piping or fittings made of aluminum, coppercontaining alloys or galvanized steel.

Visit MutinyAg.com for more information!

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²Registered trademark of Helena Agri-Enterprises, LLC. All rights reserved. Rev 02/23



ARTILLERY LATE SEASON

STRESS-MITIGATING BIOSTIMULANT & NUTRITIONAL

BY MUTINY CROP PERFORMANCE

ARTILLERY LATE SEASON is a fortified cytokinin designed to increase pollination and support photosynthesis during fruit or grain fill. The unique combination produces more flowering/ fruiting sites, and more importantly increases the plant's net capture of solar energy to help drive sugar production.

INFLUENCE REPRODUCTIVE STAGE

Early reproductive application increases branching, flowering, and fruiting sites

OPTIMIZE PLANT METABOLISM

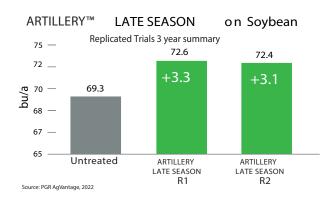
Strengthens plant cell structures and maintains photosynthesis, even in stress conditions

PRODUCE LARGER YIELDS

Boost yield potential by increasing pod/grain size and reducing abortion incidence

Greater pollination + more energy capture

= More Yield!



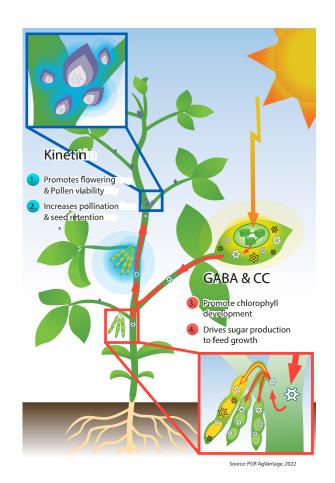


ACTIVE INGREDIENTS

Kinetin	01.2.%
GABA	0.98%
Choline Chloride	1.95%

Rate: 12.8 oz/Ac

Net Weight: 5.31 lbs (2.40kg)



Visit MutinyAg.com for more information!

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NUTRIENT & MICROBIAL PLANTER BOX DELIVERY SYSTEM

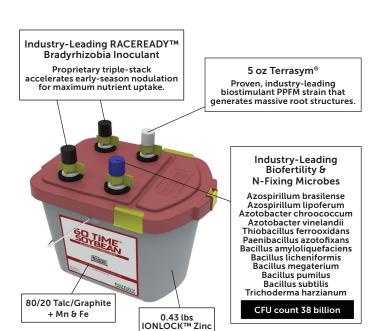
GO TIMETM SOYBEAN is a best-in-class 80/20 talc/graphite and micronutrient blend that ensures optimum planting performance. It can replace any seed fluency agent.

The base pail includes 0.43 pounds of IONLOCK™ ZINC, plus Iron and Manganese. IONLOCK ZINC increases singulation performance, adheres microbes to seed coats, and provides valuable early emergence nutrition.

The patented BIO-CAPSULE TECHNOLOGYTM delivery system allows for the addition of multiple biological solutions safely packaged for convenient, live deployment at planting.

PRODUCT BENEFITS

- Drives early-season taproot nodulation and N-fixation
- Builds stronger, healthier plants fast & massive roots
- Puts soybeans in the position to manage season-long stressors and optimize genetic potential
- Herbicide tolerant bradyrhizobia strain (patent # 8772576)



Actual product packaging may be different than this visual

BASE INGREDIENTS:

GUARANTEED ANALYSIS	
Iron (Fe)	0.70%
Manganese (Mn)	0.90%
Zinc (Zn)	1.58%
1.58% Water Soluble Zinc (Zn)	
Derived from Ferrous Oxide, Manganese Oxide and Zinc Sulfate.	

BIO-CAPSULE INGREDIENTS:

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS		
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	
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	5.3x108 CFU/g	
Bacillus pumilus	8.8x10 ⁸ CFU/g	
Bacillus subtilis		
Trichoderma harzianum	3.5x10 ⁵ CFU/g	
Bradyrhizobium japonicum	2.0x10 ⁵ CFU/g	
Methylobacterium hispanicum	1x10 ⁹ CFU/g	

DIRECTIONS FOR USE & RECOMMENDED USE RATE

DO NOT ACTIVATE BIO-CAPSULE UNTIL READY FOR USE.
Read and follow all label directions for use on package. 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. Before each application, aggressively shake contents to ensure the correct volume is applied. The combined products (1 pail) treat 40 units of soybeans at 140k seeds per unit.

For single-row unit planters, use the enclosed scoop to measure out blended contents. One scoop treats 1 unit (140k seeds) soybeans.

PRODUCT AVAILABILITY

Sold in 2-pail cases to treat 80 units of soybeans. Each pail is capable of treating 40 units of soybeans.

NET WEIGHT (per pail): 4.69 lbs (2.13 kg)







Actual product packaging may be different than this visual

PLANTER BOX TREATMENT

NUTRIENT & MICROBIAL PLANTER BOX DELIVERY SYSTEM

GO TIMETM PRO SOYBEAN is a best-in-class 80/20 talc/ graphite and micronutrient blend that ensures optimum planting performance. It can replace any seed fluency agent.

The base pail includes 0.43 pounds of IONLOCK™ ZINC, plus Iron and Manganese. IONLOCK ZINC increases singulation performance, adheres microbes to seed coats, and provides valuable early emergence nutrition.

The patented BIO-CAPSULE TECHNOLOGYTM delivery system allows for the addition of multiple biological solutions safely packaged for convenient, live deployment at planting.

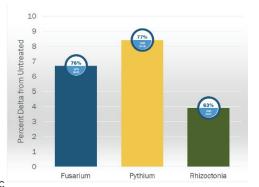
PRODUCT BENEFITS

- Convenient delivery system for a high-volume load of zinc and carbon source to the furrow
- Increases early-season iron, manganese, and zinc uptake
- · Increases nodulation and nitrogen fixation
- Improves drought tolerance by optimizing root growth
- Increases water and nutrient uptake and transport within the plant

DROUGHT TOLERANCE

As roots from treated seeds grow, so does the zone of microbial protection. The microbes included rapidly replicate and grow, surrounding the mycelium of disease pathogens acting as a natural microbial blocker. The resulting biofilm serves to separate disease pathogens from healthy roots.

Seen in tests conducted with Fusarium, Pythium and Rhizoctonia, the disease suppressing microbes in GO TIME ISR effect gives you a very broad, no specific



vaccine to disease pathogens.

BASE INGREDIENTS:

GUARANTEED ANALYSIS	
Iron (Fe)	0%
Manganese (Mn)	0%
Zinc (Zn)	8%
1.58% Water Soluble Zinc (Zn)	
Derived from Ferrous Oxide, Manganese Oxide, and Zinc Sulfate.	

BIO-CAPSULE INGREDIENTS: ALSO CONTAINS BENEFICIAL SUBSTANCES

14.65% Biological Components

•	
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
Thiobacillus ferrooxidans	
Paenibacillus azotofixans	5.0x10 ⁷ CFU/g
Bacillus amyloliquefaciens	5.3x10 ⁸ CFU/g
Bacillus licheniformis	1.1x10 ⁹ CFU/g
Bacillus megaterium	
Bacillus pumilus	8.8x10 ⁸ CFU/g
Bacillus subtilis	5.3x10 ⁸ CFU/g
Trichoderma harzianum	3.5x10 ⁵ CFU/g
Bradyrhizobium japonicum	2.0x10 ⁵ CFU/g
Methylobacterium hispanicum	1x10 ⁹ CFU/g

BIOTRINSIC X19 (CO-PACK)

Kosakonia cowanii strain SYM00028*	0.102%
Other Ingredients:	99.898%
Total:	100.000%
*Contains not less than 1 X 10 ⁷ CFU/g of product.	

85.35% Total Other Ingredients (Inert)

DIRECTIONS FOR USE & RECOMMENDED USE RATE

DO NOT ACTIVATE BIO-CAPSULE UNTIL READY FOR USE. Read and follow all label directions for use on package. 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. Before each application, aggressively shake contents to ensure the correct volume is applied. The combined products (1 pail) treat 40 units of soybeans at 140k seeds per unit.

Before each application, aggressively shake contents to ensure the correct volume is applied.

For a single row unit planters: use the enclosed scoop to measure out blended contents. One scoop treats 1 unit (140k seeds) soybeans.

PRODUCT AVAILABILITY

Sold in 2-pail cases to treat 80 units of soybeans. Each pail is capable of treating 40 units of soybeans.

NET WEIGHT (per pail): 4.69 lbs (2.13 kg)

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NUTRIENT & MICROBIAL PLANTER BOX DELIVERY SYSTEM

GO TIMETM CORN is a best-in-class 80/20 talc/graphite and micronutrient blend that ensures optimum planting performance. It can replace any seed fluency agent.

The base pail includes 1.35 pounds of IONLOCK™ ZINC, plus Iron and Manganese. IONLOCK ZINC increases singulation performance, adheres microbes to seed coats, and provides valuable early emergence nutrition.

The patented BIO-CAPSULE TECHNOLOGY™ delivery system allows for the addition of multiple biological solutions safely packaged for convenient, live deployment at planting.

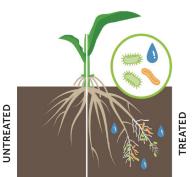
PRODUCT BENEFITS

- Convenient delivery system for a high-volume load of zinc and carbon source to the furrow
- Increases early-season iron, manganese, and zinc uptake
- Improves drought tolerance by optimizing root growth
- Increases water and nutrient uptake and transport within the plant

DROUGHT TOLERANCE

Includes a stack of Bacillus simplex and Coniochaeta nivea, a bacterial strain and a fungal strain, that work in harmony with plant to strengthen drought tolerance and improve nutrient availability and uptake.

These are resilient microbes that under drought stress are capable of providing protection from cell damage to plant and support increased water holding capacity enabling the plant to



BASE INGREDIENTS:

GUARANTEED ANALYSIS	
Iron (Fe)	0.70%
Manganese (Mn)	0.90%
Zinc (Zn)	4.00%
4.00% Water Soluble Zinc (Zn)	
Derived from Ferrous Oxide, Manganese Oxide and Zinc Sulfate.	

BIO-CAPSULE INGREDIENTS: ALSO CONTAINS BENEFICIAL SUBSTANCES 13.79% Biological Components

Bacillus simplex	-
18.00%Humic Aci	d (derived from Tannic Acid)

BIOTRINSIC W12 (CO-PACK)

Bacillus simplex	.1.0x10 ⁷	CFU/g
Coniochaeta nivea	.1.0x10 ⁶	CFU/g

86.21% Total Other Ingredients (Inert)

DIECTIONS FOR USE & RECOMMENDED USE RATE

DO NOT ACTIVATE BIO-CAPSULE UNTIL READY FOR USE.
Read and follow all label directions for use on package. 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. Before each application, aggressively shake contents to ensure the correct volume is applied. The combined products (1 pail) treat 50 units of corn at 80k seeds per unit.

Before each application, aggressively shake contents to ensure the correct volume is applied.

For a single row unit planters, use the enclosed scoop to measure out blended contents. One scoop treats 1 unit (80K seeds) corn.

PRODUCT AVAILABILITY

Sold in 2-pail cases to treat 100 units of corn. Each pail is capable of treating 50 units of corn

NET WEIGHT (per pail): 6.16 lb (2.79 kg)



_ANDM

CROP RESIDUE BREAKDOWN & NUTRIENT RELEASE AID

BY MUTINY CROP PERFORMANCE

LANDMINE™ by Mutiny Crop Performance™ 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 LANDMINE™ 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.

The consortium of microbes included in LANDMINE™ 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.

3:1 RETURN ON INVESTMENT

Through multi-location/multi-state research trials, LANDMINE™ has proven to deliver a 3:1 return on investment through one or a combination of the following benefits.



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% +

ADDITIONAL SPECIFICATIONS

LANDMINE is available in 2x2.5 gal packaging, 250 gal totes, and bulk.

Weight Per Gal: 9.42 lb/gal Specific Gravity: 1.13

*The above specifications are a target rate

and could vary within 1%

Visit MutinyAg.com for more information!

POWERED BY | MICROBILIZE

GUARANTEED ANALYSIS

*PATENT-PENDING

Alkyl Polygucoside (surfactant)	35.00%
Organic acids (pH buffer)	5.00%
Rheology and dispersant agents	5.00%
Fulvic Acid	1.00%
Bacillus licheniformis	3.9 x 10 ⁵ CFU/Gm
Bacillus coagulans	3.9 x 10 ⁵ CFU/Gm
Bacillus subtils	3.9 x 10 5 CFU/Gm
Bacillus pumilis	3.9 x 10 5 CFU/Gm
Bacillus megaterium	3.9 x 10 5 CFU/Gm
Bacillus amyloliquefaciens	3.9 x 10 5 CFU/Gm

In the final liquid form, contains 700 billion total colony forming units (CFU's) per gallon (7 x 10 11 CFU/gal) of the above soil health microbes (1 gm = 1 ml).

DIRECTIONS FOR USE

Apply LANDMINE™ to any crop residue.

FALL APPLICATIONS

Apply immediately after harvest for best performance.

SPRING APPLICATIONS

Apply with early herbicide application or in the termination of cover crops.

SUMMER APPLICATIONS

Ideal for breaking down wheat stubble. Specific timing for optimal use varies based on tillage practices, fertility levels and other factors. Contact your agronomist or Meristem for specific recommendations.

Works well with irrigation systems.

RECOMMENDED USE RATE

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



IRRUPTION COMPLETE

WATER CONDITIONER & SURFACTANT

BY MUTINY CROP PERFORMANCE

A FIRST-EVER COMBINATION OF AN AMS-BASED WATER CONDITIONER AND SURFACTANT SYSTEM WITH OIL BASED DRIFT CONTROL

YOUR ALL-IN-ONE APPROVED TANK MIX PARTNER FOR ENLIST ONE * , ENLIST DUO * , LIBERTY* & ROUNDUP*

IRRUPTION™ COMPLETE is a blend of water conditioning agent (ammonium sulfate), surfactants, drift reduction agents and humectants.

IRRUPTION COMPLETE contains anti foaming agent to minimize foaming.

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

PRODUCT BENEFITS

- 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
- Pre-dissolved liquid ammonium sulfate means reduced nozzle plugging and sediment and performance
- Improved deposition and coverage:
 More correct size droplets for greater leaf coverage

ADDITIONAL SPECIFICATIONS

IRRUPTION™ COMPLETE is available in 2x2.5 gal packaging and 250 gal totes
Weight Per Gal: 9.78 lb/gal
Specific Gravity: 1.17

*The above specifications are a targe rate and could vary within 1%

GUARANTEED ANALYSIS

TOTAL 100.0%

Components exempt from the requirement of a tolerance in CFR 40 180, 920, 930, 940, 950, 960 & 25B

Each gallon of IRRUPTION COMPLETE contains 3.1 lbs of ammonium sulfate

DIRECTIONS FOR USE

The addition of adjuvants to some pesticides and/or fertilizers and their tank mixes may cause phytotoxicity to the foliage and/or fruit of desirable crops. The applicator or crops advisor must have experience with the pesticide combination.

RECOMMENDED USE RATE

IRRUPTION 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.

Always read and follow the specific pesticide label directions, adjuvant suggestions, rates and mixing instructions.

Visit MutinyAg.com for more information!
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IRRUPTION DICAMBA ALL-IN-ONE

WATER CONDITIONER & SURFACTANT

BY MUTINY CROP PERFORMANCE ALL-IN-ONE DRA, VRA, WATER CONDITIONER AND WETTER FOR USE WITH DICAMBA

IRRUPTION $\ ^{\circ}$ DICAMBA ALL-IN-ONE is a volatility and drift reduction adjuvant designed for use in dicamba tolerant cropping systems.

IRRUPTION DICAMBA ALL-IN-ONE 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.

PRODUCT BENEFITS

- Covers VRA, DRA and water conditioner in a convenient, easy-to-use all-in-one premix for use with dicamba-based herbicides
- Lower use rate than competitors
- Xtendimax® and Engenia® approved
- Water conditioner enables optimal performance of pesticides and tank mix partners*
- Improves spray droplet retention, coverage and drift control
- Compatible with specified nozzles for dicambabased herbicides
- Helps reduce the risk of dicamba volatility
- Low foaming formulation for easy use
- Mixes well with foliar-based nutrients

PRINCIPAL FUNCTIONING AGENTS

Tripotassium citrate monohydrate,

Alkyl Polyglucoside,

poly(1-carbamoylethylene) 20.2%

Potassium Hydroxide / Ethanoic Acid 37.0%

CONSTITUENTS INEFFECTIVE

AS SPRAY ADJUVANTS 42.8%

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.

IRRUPTION™ DICAMBA ALL-IN-ONE should be used along with nozzle and pressure combination sufficient to generate an

Ultra-Course droplet spectrum and suitable spray pattern.

RECOMMENDED USE RATE

Use IRRUPTION™ DICAMBA ALL-IN-ONE at a rate of 1.25 gallons per 100 gal spray mixture, or 24 ounces per acre at 15 gpa.

ADDITIONAL SPECIFICATIONS

IRRUPTION [™] DICAMBA ALL-IN-ONE gal is available in 2x2.5

packaging and 250 gal totes Weight Per Gal: 10.85 lb/gal Specific Gravity: 1.3

Minimum Storage Temperature: -20°C

*The above specifications are a target rate and could vary within 1%

Visit MutinyAg.com for more information!
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MUTINY **N-TACT TWO**

NITROGEN STABILIZATION

BY MUTINY CROP PERFORMANCE PREMIUM ABOVE AND BELOW GROUND BIO-FRIENDLY NITROGEN MANAGEMENT SYSTEM

MUTINY N-TACT TWO ™ by Mutiny Crop Performanc egives you flexibility of both above and below ground nitrogen protection. N-TACT TWO is specifically formulated for use in urea and UAN scenarios.

PRODUCT BENEFITS

- Dual Action Protection
 - Up to three weeks of above-ground protection from volitization
 - Reduces nitrogen loss below ground
- · Micro-Chain Technology

OLD POLYMER



MICRO-CHAIN TECHNOLOGY



- · 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
- · Specifically formulated for urea and UAN, and can be used with multiple fertilizer sources

N-TACT TWO is intended to be used as a management tool to improve nitrogen availability and uptake as an addititve to a regular fertilizer program. N-TACT TWO is not intended to provide the nutrients normally required by agricultural crops.

ADDITIONAL SPECIFICATIONS

N-TACT TWO is available in 2x2.5 gal packaging, 250 gal totes and bulk tankers

Weight Per Gal: 8.9 lb/gal

Specific Gravity: 1.097-1.117@ 68 F

*The above specifications are a target rate and could vary within 1% Visit MutinyAg.com for more information!

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INGREDIENTS

NBPT (N-(n-butyl)-thiophos phoric triamide) Solution (CAS No. 94317-64-3) 20.0% Propylene Glycol, 1-methyl-2-pyrrolidone and 80.0% copolymer surfactant Total 100.0% ALSO CONTAINS NON PLANT FOOD INGREDIENTS:

Carboxylic and Organic Acids

RECOMMENDED USE RATE & APPLICATION INSTRUCTIONS

SUGGESTED USE RATES

Urea (46-0-0): 2-3 quarts per ton of urea

UAN Solutions (28-32%): 1.5 quarts per ton of total solution

Liquid Manure: 13.5-18 oz per acre

DIRECTIONS FOR USE

Urea Blending: N-TACTTWO may be used to treat urea prior to application in the field including pre-treatment. Under certain temperature and humidity conditions, urea blended with N-TACT TWO may stick together. Application of urea to the field is recommended soon after treatment for best results.

UAN Solutions: N-TACT TWO may be mixed with liquid fertilizers such as aqua ammonia or other liquid ammoniacal or urea nitrogen fertilizers. Liquid fertilizers containing high levels of phosphate should not be used with N-TACT TWO. Is pesticides are added to the tank mix in conjunction with liquid fertilizers, a compatability jar test should be performed prior to large scale application to the field.

Liquid Manure: N-TACT TWO may be mixed with liquid animal manures. N-TACT TWO may be applied to slurry pit or through an injection system as material is loaded into applicator.



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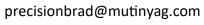
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