



2021 Products

Total Soil Management®

TSM SERVICES, INC
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Note: TSM Services, Inc. is a distributor of ALL Brandt Products! Ask us if you need a specific nutrient for application anytime throughout the growing season.

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TSM[®] Micro Boost "FOLIAR"

Generation II Foliar Micronutrient Formulation

GENERAL RECOMMENDATIONS

Foliar Application

Use 1 quart of TSM[®] MICRO BOOST "FOLIAR" per acre per application throughout the growing season as a maintenance program. More frequent applications may be needed to correct deficiencies once they occur. TSM[®] MICRO BOOST "FOLIAR" is designed for use with post applied herbicides.

Optimum rate of application will vary between fields, depending on soil pH and organic matter content. For best results, follow soil test or plant analysis recommendation.

WARNING: Some crops may be injured by applications of Boron.

MIXING INSTRUCTIONS

Put 2/3 of carrier solution in tank. Add other chemicals, if any. Fill tank with balance of carrier solution. Add correct amount of TSM[®] MICRO BOOST "FOLIAR".

Agitate adequately to mix.

CAUTION:

Check compatibility with chemical mixtures.

Warranty: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use; but neither this warranty nor any other warranty of merchantability or fitness of a particular product expressed or implied, extends to the use of this product contrary to label conditions, or under conditions not reasonably foreseeable to the seller; and buyer assumes the risk of any such use.

MINIMUM GUARANTEED ANALYSIS 4-0-0

Nitrogen (N).....	4.00%
4.00% Urea Nitrogen	
Sulfur (S).....	3.00%
3.00% Combined Sulfur	
Boron (B).....	0.25%
0.25% Water Soluble Boron	
Manganese (Mn).....	2.00%
2.00% Water Soluble Manganese	
Zinc (Zn).....	4.00%
4.00% Water Soluble Zinc	

Derived from Urea, Zinc Sulfate, Manganese Sulfate,
Boric Acid F76

Weight Per Gallon: 10.56 lbs

Freezing Temperature: 32° F

CAUTION: Keep out of the reach of children

WARNING: Do not take internally

NET CONTENTS

case (2 x 2.5) 2.5 Gal per bottle
Mini-Bulk Tank (250 gallons)
Bulk (gallons)

MANUFACTURED FOR:



TSM Services, Inc
106 E. Commercial
P.O. Box 860
Catlin, IL 61817
(217)427-5984

SHIPPING LOCATION:

Pleasant Plains, Illinois



Manni-Plex is a trademark
of Brandt Consolidated, Inc.

TSM[®] Micro Boost "MN"

Generation II Foliar Micronutrient Formulation

GENERAL RECOMMENDATIONS

TSM[®] MICRO BOOST "MN" is specifically formulated for foliar delivery of Manganese and contains the Brandt Smart System™ for improved physical and biological compatibility of micronutrients with pesticides, including glyphosate.

Foliar Application

Use 1 quart of TSM[®] MICRO BOOST "MN" per acre per application throughout the growing season as a maintenance program. More frequent applications may be needed to correct deficiencies once they occur. TSM[®] MICRO BOOST "MN" is designed for use with post applied herbicides.

Optimum rate of application will vary between fields, depending on soil pH and organic matter content. For best results, follow soil test or plant analysis recommendation.

MIXING INSTRUCTIONS

Put 2/3 of carrier solution in tank. Add other chemicals, if any. Fill tank with balance of carrier solution. Add correct amount of use with TSM[®] MICRO BOOST "MN".

Agitate adequately to mix.

CAUTION:

Check compatibility with chemical mixtures.

Warranty: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use; but neither this warranty nor any other warranty of merchantability or fitness of a particular product expressed or implied, extends to the use of this product contrary to label conditions, or under conditions not reasonably foreseeable to the seller; and buyer assumes the risk of any such use.

MINIMUM GUARANTEED ANALYSIS 6-0-0

Nitrogen (N).....	6.00%
6.00% Urea Nitrogen	
Sulfur (S).....	3.50%
3.50% Combined Sulfur	
Boron (B).....	0.25%
0.25% Water Soluble Boron	
Manganese (Mn).....	6.00%
6.00% Water Soluble Manganese	

Derived from Urea, Manganese Sulfate

Weight Per Gallon: 10.28 lbs

Freezing Temperature: 32° F

CAUTION: Keep out of the reach of children

WARNING: Do not take internally

WARNING: Some crops may be injured by applications of Boron.

NET CONTENTS

case (2 x 2.5) 2.5 Gal per bottle/ 26.56 lbs

Mini-Bulk Tank (250 gallons)

Bulk (gallons)

MANUFACTURED FOR:



TSM Services, Inc
106 E. Commercial
P.O. Box 860
Catlin, IL 61817
(217)427-5984

SHIPPING LOCATION:

Pleasant Plains, Illinois



Manni-Plex is a trademark of
Brandt Consolidated, Inc.

TSM[®] Zinc Corn Starter

Generation II Soil Micronutrient Formulation with Soil Surfactant

GENERAL RECOMMENDATIONS

Starter/germinator Application

Use 1 quart of TSM[®] Zinc Starter per acre as starter 2 x 2 inches down and over. Use 1 pint per acre as a germinator on the seed. Mix with any NPK liquid starter fertilizer.

Use with either Ortho or Poly Phosphates.

Optimum rate of application will vary between fields, depending on soil pH and organic matter content. For best results, follow soil test or plant analysis recommendation.

MIXING INSTRUCTIONS

Put 2/3 of carrier solution (fertilizer/water) in tank. Add other chemicals, if any. Check compatibility with chemical mixtures. Fill tank with balance of liquid carrier. Add correct amount of TSM[®] Zinc Starter. **Agitate adequately to mix.**

CAUTION:

Check compatibility with chemical mixtures.

Warranty: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use; but neither this warranty nor any other warranty of merchantability or fitness of a particular product expressed or implied, extends to the use of this product contrary to label conditions, or under conditions not reasonably foreseeable to the seller; and buyer assumes the risk of any such use.

MINIMUM GUARANTEED ANALYSIS 8-2-0

Nitrogen (N)..... 5.00%
5.00% Ammoniacal Nitrogen
Sulfur (S)..... 3.50%
3.5% Water Soluble Sulfur
Zinc (Zn)..... 4.00%
4.00% Chelated Zinc

Derived from Ammonium Sulfate and zinc ethylenediaminetetraacetate (EDTA)

HEATED STORAGE for over wintering.

Weight Per Gallon: 10.59 lbs

Freezing Temperature: 32° F

CAUTION: Keep out of the reach of children

WARNING: Do not take internally

SHIPPING CONTAINMENT

(2 x 2.5) case 2.5 Gal (9.46 lbs) per bottle
Mini-Bulk Tank (250 gallons) Bulk (gallons)

MANUFACTURED FOR:



TSM Services, Inc
106 E. Commercial
P.O. Box 860
Catlin, IL 61817
(217)427-5984

SHIPPING LOCATION:

Pleasant Plains, IL

TSM[®] Micro Boost Pre-Mix (B) 4.8-0-0

TSM[®] Micro Boost "SOIL" plus ATS (Ammonium Thiosulfate with TSM[®] Soil Surfactant)

GENERAL RECOMMENDATIONS

Starter/germinator Application

Use 1 quart of TSM[®] MICRO BOOST "Pre-Mix (B)" per acre as starter 2 x 2 inches down and over. Use 1 pint per acre as a germinator on the seed. Mix with any NPK liquid starter fertilizer. Use 1 quart of TSM[®] MICRO BOOST "Pre-Mix (B)" per acre as a broadcast application.

Optimum rate of application will vary between fields, depending on soil pH and organic matter content. For best results, follow soil test or plant analysis recommendation.

WARNING: Some crops may be injured by applications of Boron.

MIXING INSTRUCTIONS

Put 2/3 of carrier solution in tank. Add other chemicals, if any. Fill tank with balance of carrier solution. Add correct amount of TSM[®] MICRO BOOST "Pre-Mix (B)".

Agitate adequately to mix.

CAUTION:

Check compatibility with chemical mixtures.

Warranty: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use; but neither this warranty nor any other warranty of merchantability or fitness of a particular product expressed or implied, extends to the use of this product contrary to label conditions, or under conditions not reasonably foreseeable to the seller; and buyer assumes the risk of any such use.

MINIMUM GUARANTEED ANALYSIS 4.8-0-0

Nitrogen (N).....	4.80%
4.80% Ammoniacal Nitrogen	
Sulfur (S).....	10.40%
10.40% Water Soluble Sulfur	
Boron (B).....	0.15%
0.15% Water Soluble Boron	
Copper (Cu).....	0.30%
0.30% Water Soluble Copper	
Iron (Fe).....	0.15%
0.15% Water Soluble Iron	
Manganese (Mn).....	1.20%
1.20% Water Soluble Manganese	
Zinc (Zn).....	1.80%
1.80% Water Soluble Zinc	

Derived from Ammonium Thiosulfate, Zinc EDTA, Manganese EDTA, Copper EDTA and Sodium Borate

Weight Per Gallon: 10.84 lbs

Freezing Temperature: 32° F

CAUTION: Keep out of the reach of children

WARNING: Do not take internally

SHIPPING CONTAINMENT

case (2 x 2.5) 2.5 Gal per bottle/ 27 lbs
Mini-Bulk Tank (250 gallons) Bulk
(gallons)

MANUFACTURED FOR:



TSM Services, Inc
106 E. Commercial
P.O. Box 860
Catlin, IL 61817
(217)427-5984

SHIPPING LOCATION:

Pleasant Plains, Illinois



BRANDT Smart System®

Advanced Compatibility Foliar Nutrition

As today's tank mixes become more challenging, the need for "smarter" and more compatible foliar nutrition is increasing. BRANDT SMART SYSTEM foliar micronutrients were designed for superior performance in a wide range of complex crop protection tank mixes, including glyphosate and *select dicamba and 2,4-D herbicides.

Key Benefits of BRANDT SMART SYSTEM

- Proprietary molecules are formulated for rapid nutrient uptake and delivery to plant growing points
- Ready to use formulations tank mix with herbicides, fungicides and insecticides
- Formulated to deliver micronutrient combinations that are in high demand in row crops and will improve crop health, stress and yield
- Nutrients are protected so that they will not bind with the herbicide or other nutrients
- Nutrients assist herbicide metabolism and help mitigate crop stress

Legacy BRANDT SMART SYSTEM Formulations Designed for Compatibility with Traditional, Glyphosate-Based Herbicides and/or Fungicides

Product	Guaranteed Analysis
BRANDT Smart B	5.0% B
BRANDT Smart Mg	4-0-0, 4.0% Mg, 4.0% S
BRANDT Smart Mn	6-0-0, 3.5% S, 6.0% Mn
BRANDT Smart Trio®	4-0-0, 3.0% S, 0.25% B, 3.0% Mn, 3.0% Zn
BRANDT Smart Zn	6-0-0, 3.0% S, 6.0% Zn



New, Dicamba Ready BRANDT SMART SYSTEM Foliar Nutrients with Superior Compatibility

BRANDT SMART SYSTEM's new formulations are designed for superior compatibility in virtually any tank mix - from dicamba and 2,4-D herbicides to glyphosate. The formulations below are approved for use with the specific herbicides listed.

Product	Guaranteed Analysis	XtendiMax®	Engenia®	FeXapan®	Enlist Duo®	Enlist One™
BRANDT Smart B-Mo	5.0% B, 0.5% Mo	■	■	■	■	
BRANDT Smart Cu	5-0-0, 3.0% S, 6.0% Cu	■		■	■	■
BRANDT Smart Fe	2.0% S, 4.0% Fe	■	■	■		
BRANDT Smart K B	2-0-16, 2.5% B, 0.2% Mo	■*	■	■*	■	■
BRANDT Smart Mn Plus	5-0-0, 2.0% S, 4.0% Mn	■*	■			■
BRANDT Smart P	4-24-0	■		■		■
BRANDT Smart Quatro®	1.5% S, 2.0% B, 3.0% Mn, 0.1% Mo, 3.0% Zn	■	■	■	■	
BRANDT Smart Quatro Plus	5-0-0, 2.0% S, 0.5% B, 2.0% Mn, 0.05% Mo, 2.0% Zn	■	■	■	■	■
BRANDT Smart Sulfur Plus	5-0-0, 5.0% S, 0.5% B, 1.5% Mn, 0.05% Mo, 1.5% Zn	■	■	■	■	■

* with approved DRA

To see a complete list of formulations approved for use with dicamba and 2,4-D visit:

- Brandt.co/TankMixApprovals
- XtendiMaxApplicationRequirements.com
- FeXapanApplicationRequirements.DuPont.com
- EngeniaTankMix.com
- EnlistTankMix.com

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BRANDT Smart System Field Trials



BRANDT Smart Trio

Corn - 32 oz/ac, applied at V5

IL, 2014 (bu/ac)



IL, 2013



AR, 2014



MS, 2013



KY, 2012



Wheat - 32 oz/ac, applied at heading with fungicide/insecticide

KY, 2014 (bu/ac)



Rice - 64 oz/ac, applied at Flag Leaf

CA, 2013 (bu/ac)



AR, 2013



Alfalfa - 32 oz/ac

ID, 2014 (lb/ac)



Canola - 32 oz/ac

ND, 2013 (bu/ac)



BRANDT Smart B-Mo

Sugar Beets - 32 oz/ac

CO, 2016 (tons/ac)



Lettuce - 8 oz/ac applied 4 and 2 weeks before harvest

CA, 2016 (lb/ac)



Soybeans - 16 oz/ac at R2

GA, 2014 (bu/ac)



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BRANDT Smart Quatro

Soybeans - 32 oz/ac, applied at R1

VA, 2015 (bu/ac)



IL, 2014



TN, 2014

32 oz/ac applied at R2



GA, 2014

48 oz/ac applied at R2-4



Cotton - 32 oz/ac at early bloom

TN, 2014 (lb/ac)



Sugar Cane - 32 oz/ac with herbicide

LA, 2015 (lb/ac)



BRANDT Smart B

Almonds - 16 oz/ac

CA, 2016 (lb/ac)



Bell Peppers - 8 oz/ac at prebloom

FL, 2015 (lb/ac)



Tomatoes - 8 oz/ac at prebloom

FL, 2015 (lb/ac)



Watermelons - 8 oz/ac at prebloom

FL, 2015 (lb/ac)



To learn more or to find a BRANDT distributor near you, download the BRANDT Product Finder App today.



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BRANDT



BRANDT® Smart K B

Advanced Compatibility Foliar Nutrition

BRANDT SMART K B is a new high efficiency foliar potassium formulation in the top-selling BRANDT SMART SYSTEM product line. It is a 2-0-16 formulation with a spike of boron and is ideal for in-season nutrient applications on specialty crops and row crops.

Benefits of Foliar Feeding

Foliar feeding is one of the most efficient ways to supply nutrition to crops during critical growth stages. Applying nutrition to plant leaves allows the plant to immediately absorb nutrients, which promotes better plant uptake, better overall plant health and increased yield potential.

Key Benefits of BRANDT SMART K B

BRANDT SMART K B provides high quality, readily available nutrients to plants in a highly efficient and mobile form. **It is also formulated for superior tank mix compatibility with fungicides, insecticides, glyphosate and select dicamba herbicides.**

- Superior tank mix compatibility over a broad pH range
- Maximum nutrient mobility and efficiency, which allows 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

BRANDT SMART K B is approved for use with:

XtendiMax®	Engenia®	FeXapan®	Enlist Duo®	Enlist One®
■*	■	■*	■	■

*with approved DRA

To see a complete list of formulations approved for use with dicamba and 2,4-D visit: Brandt.co/TankMixApprovals

Guaranteed Analysis

2-0-16

Nitrogen (N)	2.0%
2.0% Urea nitrogen	
Soluble Potash (K ₂ O)	16.0%
Boron (B)	2.5%
Molybdenum (Mo)	0.2%

Derived from urea, potassium borate and sodium molybdate

Plant Nutrient Functions

The nutrient combination in BRANDT SMART K B was carefully selected and developed for specialty crops and row crops. The agronomic benefits of these nutrients include:

Boron: 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

Field, Row, Vegetable and Vine Crops: 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.



BRANDT Smart K B Field Trials

Cotton

1 qt/ac, applied at Bloom

NC, 2019

Yield Advantage

80 lbs/ac

BRANDT Smart K B 1310

Check 1230

GA, 2018

110 lbs/ac

BRANDT Smart K B 1220

Check 1110

Soybeans

1 qt/ac, applied at R2

MO, 2019

4.0 bu/ac

BRANDT Smart K B 59.2

Check 55.2

1 qt/ac

IA, 2019

3.4 bu/ac

BRANDT Smart K B 64.6

Check 61.2

IL, 2019

3.4 bu/ac

BRANDT Smart K B 68.6

Check 65.2

Sugar Beets

1 qt/ac, applied at Bulking

MN, 2019

2.6 ton/ac

BRANDT Smart K B 29

Check 26.4

ND, 2019

2.4 ton/ac

BRANDT Smart K B 39.1

Check 36.7



To learn more or to find a BRANDT distributor near you, download the BRANDT Product Finder App today.



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BRANDT[®]



BRANDT® Smart Sulfur Plus™

Advanced Compatibility Foliar Nutrition

BRANDT SMART SULFUR PLUS is a new high sulfur foliar in the top-selling BRANDT SMART SYSTEM product line. It was designed for superior tank mix compatibility with fungicides and herbicides, including *select dicamba and 2,4-D herbicides.

The 5-0-0 formulation contains 5% sulfur and a full micronutrient package, including boron, manganese, molybdenum and zinc. It supplies high quality, readily available nutrients to plants in a highly efficient and mobile form, making it an ideal choice for in-season nutrient applications on row crops.

Key Benefits of BRANDT SMART SULFUR PLUS

- Superior tank mix compatibility over a broad pH range
- Maximum nutrient mobility and efficiency, which allows 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
- ***BRANDT SMART SULFUR PLUS is approved for use with Engenia® and XtendiMax® with VaporGrip® technology.**
For info, visit: EngeniaTankMix.com and XtendiMaxApplicationRequirements.com

Plant Nutrient Functions

The nutrient combination in BRANDT SMART SULFUR PLUS was carefully selected and developed for specialty crops and row crops. The agronomic benefits of these nutrients include:

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

Guaranteed Analysis

5-0-0

Nitrogen (N)	5.0%
5.0% Urea nitrogen	
Sulfur (S)	5.0%
Boron (B)	0.5%
Manganese (Mn)	1.5%
Molybdenum (Mo)	0.05%
Zinc (Zn)	1.5%

Derived from urea, sulfuric acid, boric acid, manganese sulfate, sodium molybdate and zinc sulfate.

Manganese: aids in herbicide metabolism, chlorophyll formation and plant respiration. It is also critical to photosynthesis.

Molybdenum: promotes root nodulation growth and enhances nitrogen utilization.

Sulfur: aids in protein and enzyme synthesis.

Zinc: promotes root and shoot growth; helps plants withstand environmental stress.

Application Recommendations

Field, Row, Vegetable and Vine Crops: 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 more information email info@brandt.co or call:

+1 217 547 5840 (BRANDT global)

+34 954 196 230 (BRANDT Europe)

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BRANDT Smart Quatro® Plus

Advanced Compatibility Foliar Nutrition

BRANDT SMART QUATRO PLUS is a new advanced compatibility, high efficiency foliar designed for superior compatibility with fungicides and *select dicamba herbicides.

The 5-0-0 formulation contains a full micronutrient package, including boron, manganese, molybdenum, zinc and sulfur. It supplies high quality, readily available nutrients to plants in a highly efficient and mobile form, making it an ideal choice for in-season nutrient applications on row crops

Key Benefits of BRANDT SMART QUATRO PLUS

- Superior tank mix compatibility over a broad pH range
- Maximum nutrient mobility and efficiency, which allows 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
- **BRANDT SMART QUATRO PLUS is approved for use with Engenia®, XtendiMax® with VaporGrip® Technology, FeXapan™ Plus VaporGrip® Technology, and Enlist One™**

For info, visit:

- EngeniaTankMix.com
- XtendiMaxApplicationRequirements.com
- FeXapanApplicationRequirements.dupont.com
- EnlistTankMix.com

Plant Nutrient Functions

The nutrient combination in BRANDT SMART QUATRO PLUS was carefully selected and developed for specialty crops and row crops. The agronomic benefits of these nutrients include:

Guaranteed Analysis

5-0-0

Nitrogen (N)	5.0%
5.0% Urea nitrogen	
Sulfur (S)	2.0%
Boron (B)	0.5%
Manganese (Mn)	2.0%
Molybdenum (Mo)	0.05%
Zinc (Zn)	2.0%

Derived from urea, boric acid, manganese sulfate, sodium molybdate and zinc sulfate.

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

Manganese: aids in herbicide metabolism, chlorophyll formation and plant respiration. It is also critical to photosynthesis.

Molybdenum: promotes root nodulation growth and enhances nitrogen utilization.

Sulfur: aids in protein and enzyme synthesis.

Zinc: promotes root and shoot growth; helps plants withstand environmental stress.

Application Recommendations

Field, Row, Vegetable and Vine Crops: 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 more information email info@brandt.co or call:

+1 217 547 5840 (BRANDT global)

+34 954 196 230 (BRANDT Europe)

Brandt Consolidated, Inc.
www.brandt.co



**Introducing a New,
Revolutionary
Form of Boron**

**BRANDT Smart B[™]
BRANDT Smart B-Mo[™]**

BRANDT SMART B and BRANDT SMART B-MO are the newest formulations in BRANDT's top-selling BRANDT SMART SYSTEM® foliar micronutrient product line.

BRANDT "SMART nutrients" are designed for maximum nutrient mobility, performance and tank mix compatibility. These new formulations have many advantages:

- One of the most efficient and user friendly forms of boron
- Provides up to 8x more efficiency and mobility than 10% boron
- Highly soluble and stable across a broad pH range
- Boron will not precipitate when it comes in contact with acidic solutions
- Compatible with other micronutrients, including Zn and Ca
- Compatible with insecticides, herbicides and fungicides that have very specific pH ranges

Why Boron is Important to Crop Production

Boron is one of the most common micronutrient 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.

Applying BRANDT Smart B and BRANDT Smart B-Mo during the growing season results in:

- Healthy germination and pollination resulting in improved fruit, nut and grain set
- Proper nitrogen assimilation and root nodulation formation, for improved nitrogen uptake and utilization
- Efficient carbohydrate metabolism and sugar translocation
- Better plant health and a stronger plant immune system to fight stress and disease
- Enhanced fruit and vegetable quality and yield
- Enhanced cell wall stabilization, structure and integrity, which improves storage and shelf life

Guaranteed Analysis and Rates

BRANDT Smart B

5.0% B *derived from boric acid*

Foliar Application	Soil Application
All Crops: 0.5-1 pt/ac	All Crops: 1-3 qts/ac in a minimum of 10 gallons of water

BRANDT Smart B-Mo - *Approved for use with Engenia® and XtendiMax® with VaporGrip® Technology herbicides*

5.0% B, 0.5% Mo *derived from boric acid and sodium molybdate*

Foliar Application	Soil Application
All Crops: 0.5-1 pt/ac	All Crops: 1-3 qts/ac in a minimum of 10 gallons of water



Boron is Critical in Primary Cell Wall Formation



Plant Cells with Sufficient Boron Levels

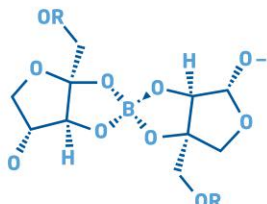


Plant Cells with Insufficient Boron Levels

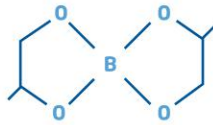
Primary cell walls are the first cell walls to form in new growing and dividing plant cells. Boron provides structural integrity and flexibility to the primary cell walls. Insufficient boron results in the following physiological responses directly related to failures in primary cell wall formation such as:

- Structural damage in vegetative and flowering organs
- Ability for expansion to facilitate cell growth and division
- Control rate and direction of growth
- Protect against dehydration and environmental factors

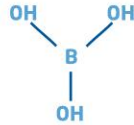
Molecules Matter: How BRANDT Smart B and BRANDT Smart B-Mo Are Structured for Mobility



boron cross-linked to pectins in the cell wall



BRANDT Smart B mimics natural cross-linking in plants



Boric Acid conventional boron fertilizer

The BRANDT smart boron molecule is cross-linked, which provides a protective “shield” for the boron that significantly increases foliar applied boron mobility. This allows the smart boron molecule(s) access to plant growing points quickly and easily, thereby providing the most benefit.

The molecule structure also allows the formulations to tank mix with other crop chemicals and fertilizers, including calcium, without any compatibility issues.

In contrast, conventional boron fertilizers are not cross-linked with oxygen, which results in less boron availability and less boron at plant growing points.

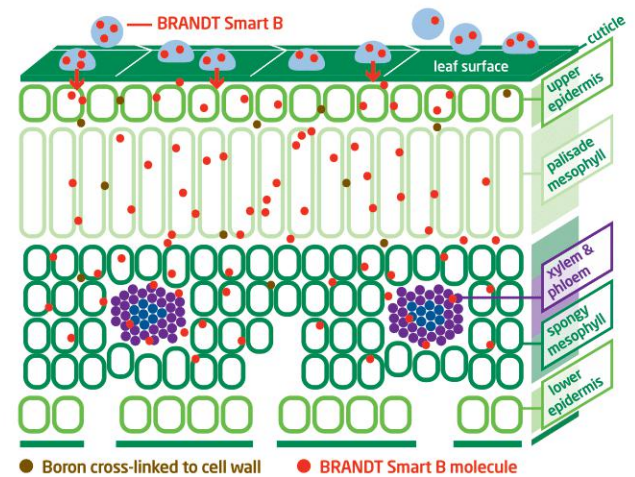
Tackling the Boron Immobility Issue

Once boron has been absorbed by the plant and incorporated into the primary cell walls structures, disassembly, reorganization and transport of the boron cannot occur resulting in its immobility.

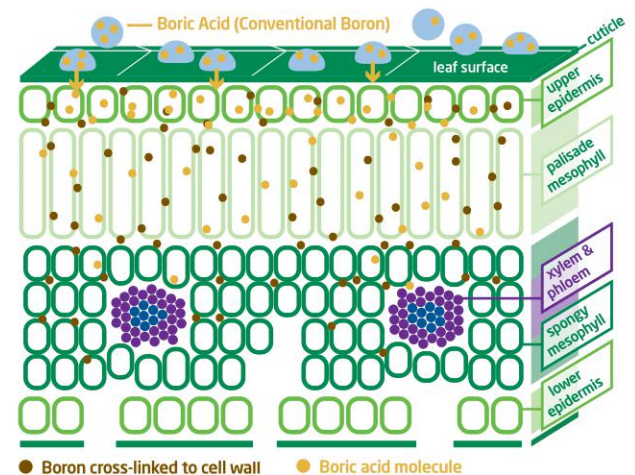
To address this boron mobility issue, BRANDT developed BRANDT Smart B and BRANDT Smart B-Mo to specifically prevent boron from binding with pectins, ensuring that applied boron remains free and mobile for effective travel to plant growth tissues.

Boron Mobility on the Leaf Surface and in Plant Tissue

BRANDT Smart B Offers Superior Boron Mobility



Other Forms of Boron Get Tied Up Inside the Plant



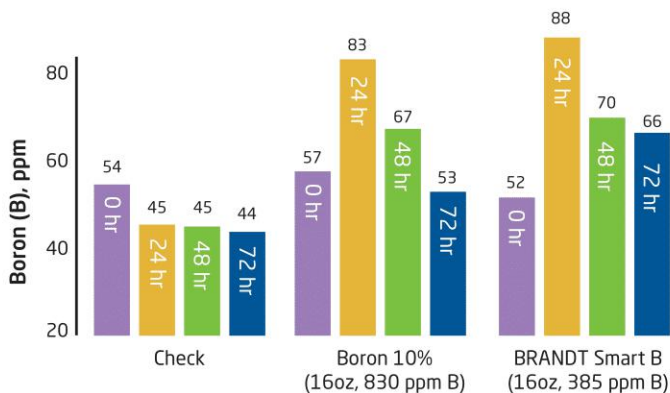
Proven Results

BRANDT conducted numerous field trials and studies with independent consultants to evaluate the mobility and performance of BRANDT Smart B versus other boron fertilizers. Field trials were also conducted and taken to yield.

BRANDT Smart B Tissue Test

Soybean Tissue Test

Quitman, GA, 2014, 16 fl oz/ac, applied at pre-bloom.



In tissue tests, even though less boron (PPM) was applied, BRANDT Smart B was much more effective at getting higher levels of boron into plant growth tissues than conventional boron fertilizers.

BRANDT Smart B and BRANDT Smart B-Mo Field Trials

Corn

IL, 2014, 14 fl oz/ac at VT with fungicide application (bu/ac)



IL, 2015, 16 fl oz/ac VT (bu/ac)



IL, 2017, 16 fl oz/ac VT (bu/ac)



Soybean

IL, 2014, 16 fl oz/ac at R2 (bu/ac)



GA, 2014, 16 fl oz/ac at R2 (bu/ac)



IL, 2017, 16 fl oz/ac at R3 (bu/ac)



Cotton

TX, 2017, 16 fl oz/ac at match head square, early bloom and boll fill (lbs/ac - lint yield)



MS, 2017, 16 fl oz/ac at match head square, early bloom and boll fill (lbs/ac - seed cotton yield)



For more information email info@brandt.co or call:

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BRANDT[®]



BRANDT AdjuLock®

Drift Reduction Agent, Water Conditioner and Surfactant

BRANDT ADJULOCK is a multi-purpose adjuvant that reduces driftable fines, and improves the wetting and spreading properties of the tank mix. It is formulated with a non-AMS water conditioner to enhance the performance and consistency of post-emergent herbicides by reducing or eliminating the tie-up of anionic herbicides with metal cations present in hard water such as calcium (Ca), magnesium (Mg) and iron (Fe). It may be used on agricultural, forestry, turf and ornamental, industrial and non-cropland sites.

Key Benefits of BRANDT AdjuLock

- Reduces drift and improves spray application coverage
- Non-AMS water conditioner
- Helps reduce herbicide antagonism and binding with other nutrient elements that may be present in hard water
- Compatible with most water-soluble, emulsifiable concentrate, suspension concentrate, water dispersible granule, and wettable powder crop and non-crop pesticides when applied by aerial or ground equipment

BRANDT AdjuLock is An Approved Drift Reduction Agent (DRA) for Engenia® and XtendiMax® Herbicides

BRANDT ADJULOCK is an approved Drift Reduction Agent (DRA) and approved tank mix partner for Engenia® and XtendiMax® with VaporGrip® technology herbicides. Certain products, as specified by BASF, cannot be tank mixed with Engenia without an approved DRA in the tank.

For more information on approved tank mix products, visit:

- EngeniaTankMix.com
- XtendiMaxApplicationRequirements.com
- brandt.co/TankMixApprovals

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Principle Functioning Agents

Trisodium citrate dihydrate, Alkyl polyglucoside, Diethylene glycol and Polyacrylamide	34.75%
Constituents ineffective as spray adjuvant	65.25%
Total	100.00%

Application Recommendation

Do not use this product at a rate to exceed 1% v/v of finished spray tank mixture.

For Use as a Drift Reduction Agent for Dicamba Tank Mixes: Use 5 pints per 100 gallons of spray mixture. Not for aerial application. Refer to individual product labels for specific directions.

For General Use as a Drift Reduction Agent: Use 2-3 quarts per 100 gallons in the spray mixture.

For Use As a Water Conditioner: Use 2-4 quarts per 100 gallons of spray mixture (0.5% v/v to 1.0% v/v).

*Always refer to tank mix approval lists and follow full label instructions before application.



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STOLLERUSA.COM

EXCELLENCE
IN PLANT
PERFORMANCE

PROTECT YOUR
YIELD POTENTIAL

BIO-FORGE[®] ADVANCED

GIVE YOUR PLANTS THE MUSCLE TO COMBAT STRESS AND BUILD MORE YIELD

From the moment a plant germinates, it is bombarded with abiotic stress, more commonly known as cold, heat, hail, rain, frost and drought. When a plant is abiotically stressed it focuses its energy on survival, not reproduction which means it's not focused on its primary objective which is producing yields.

Bio-Forge[®] Advanced is a patent-pending, breakthrough abiotic stress mitigator in plants. It does so by facilitating greater uptake and utilization (metabolism) of key nutrients, like nitrogen, from available resources including soil-bound nutrients.

OPTIMIZING YIELD POTENTIAL

Every Stoller product works to protect, enable or enhance the maximum genetic expression of the plant.



PROTECT
YOUR YIELD POTENTIAL



ENABLE
YOUR YIELD POTENTIAL



ENHANCE
YOUR YIELD POTENTIAL

PROTECTORS, LIKE BIO-FORGE[®] ADVANCED PROMOTE PLANT PRODUCTIVITY BY COMBATING ABIOTIC STRESSES AND OPTIMIZING NUTRIENT UPTAKE THROUGHOUT THE GROWING SEASON.

PRODUCT BENEFITS

FACILITATES NITROGEN UPTAKE

Two of the active ingredients in Bio-Forge[®] Advanced, cobalt and molybdenum work in tandem to make field applied nitrogen accessible to the plant, while facilitating efficient uptake and fixing of nitrogen through the plant's root system.

FIGHT YIELD-ROBBING ABIOTIC STRESS

Building stronger, healthier plants is a key step to producing consistent yields across every acre. By optimizing nutrient utilization and mitigating abiotic stress, Bio-Forge[®] Advanced allows plants to focus more of their energy on yield enhancing physiology and reproduction.

FACILITATES RECOVERY FROM INJURY

Bio-Forge[®] Advanced can be applied to abiotically stressed or injured plants to optimize recovery and improve abiotic stress tolerance throughout the growing season.

DATA BACKED POSITIVE YIELD RESPONSE

Our field trials have shown an impressive bump in yield across various commodity crops, including soybeans and corn. Talk to your Stoller representative for more information about specific trial data and yield advantages.

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RECOMMENDED FIELD APPLICATIONS

Bio-Forge® Advanced is formulated for the following highlighted applications



SEED TREATMENT + IN-FURROW

Fuel the potential in your seed. When applied in-furrow, or as a seed treatment Bio-Forge® Advanced facilitates critical nutrient uptake during germination, while also helping young plants fend off early season abiotic stress that can affect future yield potential.

FOLIAR APPLICATIONS

No need to make unnecessary passes over your field. Bio-Forge® Advanced is formulated for in-tank compatibility with most industry fertilizers and pesticides, simplifying your operations and maximizing productivity.

PESTICIDE

Pesticide applications can damage healthy plant tissue, leaving plants vulnerable to abiotic stresses and disease. Mitigate abiotic plant stress and promote plant health by mixing Bio-Forge® Advanced in-tank with most herbicide, fungicide and insecticide applications. Check product labels for compatibility.

IRRIGATION

Irrigation provides an ideal scenario for the application of Bio-Forge® Advanced, at lower rates (with multiple applications) throughout the growing season.

ACTIVE INGREDIENTS:

Total Nitrogen (N) 3.0%
1.0% Urea Nitrogen
2.0% Ammoniacal Nitrogen
Soluble Potash (K ₂ O) 1.0%
Cobalt (Co) 1.0%
Molybdenum (Mo) 1.0%

GUARANTEED ANALYSIS

Stoller products are designed to help plants function more efficiently. Stoller products are not replacements for sound agronomy and fertility programs. They work in concert with good farming practices to help the plant realize its true yield potential.



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Bio-Forge® Advanced - V2 - 12182018 © Copyright 2018 Stoller



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EXCELLENCE
IN PLANT
PERFORMANCE™

ENHANCE YOUR
YIELD POTENTIAL

FORTIFIED STIMULATE® YIELD ENHANCER PLUS

OPTIMIZE THE GENETIC POTENTIAL OF EVERY PLANT IN YOUR FIELD

Fortified Stimulate® Yield Enhancer Plus sets the new standard in yield-enhancing plant growth regulators. It is an EPA registered plant biostimulant that has four growth hormone ingredients in a stable formulation that promotes plant growth and optimizes essential plant functions. Along with the three key plant hormones that are in Stimulate Yield Enhancer Plus, Fortified Stimulate Yield Enhancer Plus goes a step further and contains the plant hormone IAA (indole acetic acid) which is critical for optimizing fast, vigorous root growth and early plant development.

OPTIMIZING YIELD POTENTIAL

Every Stoller product works to protect, enable, or enhance the maximum genetic expression of the plant.



PROTECT
YOUR YIELD POTENTIAL



ENABLE
YOUR YIELD POTENTIAL



ENHANCE
YOUR YIELD POTENTIAL

ENHANCERS, LIKE FORTIFIED STIMULATE® YIELD ENHANCER PLUS WORK TO OPTIMIZE A PLANT'S HEALTH, PHYSIOLOGY AND VIGOR AT EACH CRITICAL GROWTH STAGE.

PRODUCT BENEFITS

ENHANCES EMERGENCE

Fortified Stimulate® Yield Enhancer Plus boosts plant vigor, promoting strong, uniform emergence, and balanced growth above and below ground.

BOOSTS ROOT GROWTH + PLANT VIGOR

Fortified Stimulate® Yield Enhancer Plus contains the signaling molecules that enable optimal plant functioning, meaning your plants have the right bio-stimulants, in the right places at the right time and in the right ratio to produce uniform growth and high yielding characteristics.

IMPROVES PLANT HEALTH + PHYSIOLOGY

Fortified Stimulate® Yield Enhancer Plus enhances cell division and nutrient uptake, so your plants can better defend themselves and recover from abiotic stressors such as cold weather, drought and herbicide applications.

INCREASES YIELD POTENTIAL + GRAIN QUALITY

An EPA-registered yield enhancer, Fortified Stimulate® Yield Enhancer Plus enhances naturally occurring hormones within the plant to optimize genetic expression.

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RECOMMENDED FIELD APPLICATIONS

Fortified Stimulate® Yield Enhancer Plus is formulated for the following highlighted applications



SEED TREATMENT OR IN-FURROW

Start strong to finish strong. Fortified Stimulate® Yield Enhancer Plus enhances emergence and germination, while boosting early stage root growth and plant vigor when applied at planting. Apply as a seed treatment or in-furrow with your planter.

FOLIAR APPLICATIONS

No need to make unnecessary passes over your field. Fortified Stimulate® Yield Enhancer Plus is formulated for in-tank compatibility with most industry fertilizers, herbicides, fungicides and insecticides. Check product labels for compatibility

IRRIGATION

Irrigation provides an ideal scenario for the application of Fortified Stimulate® Yield Enhancer Plus at key growth stages.

ACTIVE INGREDIENTS:

Cytokinin (as kinetin) 0.009%
0.002698 Gram cytokinin per fluid ounce

Gibberellic acid 0.005%
0.001499 Gram gibberellic acid per fluid ounce

Indole-3-butyric acid 0.005%
0.001499 Gram indole-3-butyric acid per fluid ounce

Indole acetic acid 0.005%
.001499 Gram indole-3-acetic acid per fluid ounce

OTHER INGREDIENTS 99.976%

GUARANTEED ANALYSIS

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Stimulate® Yield Enhancer Plus - V2 - 12182018 © Copyright 2018 Stoller



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EXCELLENCE
IN PLANT
PERFORMANCE

ENABLE YOUR
YIELD POTENTIAL

HARVEST MORE[®] UREA MATE

START WITH MORE, END WITH MORE... WITH HARVEST MORE[®] UREA MATE.

Progressive growers looking to maximize yields, realize that a plant's yield potential is only as strong as its weakest nutrient link. In most cases these nutrient deficiencies are invisible, but can diminish valuable yield potential. That's why Stoller believes when it comes to plant nutrition, the best defense to yield robbing nutrient deficiencies is a good offense. Harvest More[®] Urea Mate is formulated to provide maximum nutrient availability and utilization throughout the essential growing phases of your crop.

OPTIMIZING YIELD POTENTIAL

Every Stoller product works to protect, enable, or enhance the maximum genetic expression of the plant.



PROTECT
YOUR YIELD POTENTIAL



ENABLE
YOUR YIELD POTENTIAL



ENHANCE
YOUR YIELD POTENTIAL

ENABLERS, LIKE HARVEST MORE[®] UREA MATE OPTIMIZE THE EXECUTION AND PROPER TIMING OF CRITICAL FUNCTIONS WITHIN THE PLANT'S GROWING CYCLE.

PRODUCT BENEFITS

TAKE THE GUESS WORK OUT OF PLANT NUTRITION

Harvest More[®] Urea Mate blankets your crops with the most complete, proprietary nutrient stack on the market today, allowing the plant to moderate its nutritional needs and optimize each growth cycle.

LOW pH FORMULATION

Recent data shows that many in-season applications, such as fungicides, perform better in a slightly acidic pH environment. Harvest More[®] Urea Mate's acid pH makes it an optimal companion for tank mixing with insecticide and fungicide applications. Check product labels for compatibility.

FORMULATED FOR MAXIMUM COMPATIBILITY & VERSATILITY OF APPLICATION

Harvest More[®] Urea Mate is a soluble fertilizer crystal that can be applied through soil, foliar, and irrigation processes, and is tank mix compatible with most industry insecticides, fungicides and herbicides.

UNIQUE 5/10/27 FORMULATION

One product. 11 key nutrients. Harvest More[®] Urea Mate provides the macro and micronutrients your crop needs for optimal growth throughout the season.

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RECOMMENDED FIELD APPLICATIONS

Harvest More® Urea Mate is formulated for the following highlighted applications



FOLIAR APPLICATIONS

No need to make unnecessary passes over your field. Harvest More® Urea Mate is formulated for in-tank compatibility with other field applications, simplifying your operations and maximizing productivity.

INSECTICIDE OR HERBICIDE

Insecticide and herbicide applications can damage healthy plant tissue, leaving plants vulnerable to abiotic stresses and disease. Harvest More® Urea Mate in-tank with these applications can provide key nutrients. *Suggested timing v3 – v5 (most crops)*

FUNGICIDE

If your fields require one or more fungicide applications, it means your plants are stressed. Adding Harvest More® Urea Mate in-tank with your fungicide can increase its performance by acidifying pH levels, while also providing key nutrients needed to regain plant health.

IRRIGATION

Irrigation provides the ideal scenario for the application of Harvest More® Urea Mate, throughout the growing season. It will also acidify the irrigation water, inhibiting the buildup of carbonates in both the irrigation emitters and the soil around the plant roots for added agronomic benefit.

ACTIVE INGREDIENTS:

Total nitrogen (N) 5.000%
5% Urea nitrogen

Available phosphate (P2O5) 10.000%

Soluble potash (K₂O) 27.000%

Calcium (Ca) 4.000%
4.000% Chelated calcium

Magnesium (Mg) 1.500%
1.500% Chelated magnesium

Boron (B) 0.150%

Cobalt (Co) 0.008%
0.008% Chelated cobalt

Copper (Cu) 0.300%
0.300% Chelated copper

Manganese (Mn) 0.500%
0.500% Chelated manganese

Molybdenum (Mo) 0.008%

Zinc (Zn) 0.500%
0.500% Chelated zinc

GUARANTEED ANALYSIS

Stoller products are designed to help plants function more efficiently. Stoller products are not replacements for sound agronomy and fertility programs. They work in concert with good farming practices to help the plant realize its true yield potential.



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EXCELLENCE
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PERFORMANCE

ENABLE YOUR
YIELD POTENTIAL

SUGAR MOVER PREMIER™

ESSENTIAL NUTRITION

Sugar Mover Premier™ increases the rate of sugar transport from leaves to flowers, ears, seeds, pods, and root storage tissue to increase available sugar and seed size for higher yield.

Sugar Mover Premier is an EPA-registered plant growth regulator and yield stimulant.

PRODUCT BENEFITS

- Increases ear and pod fill
- Uniform seed and kernel size
- Improves seed quality
- Improves Brix and color
- Increases bulking in root crops
- Provides available forms of boron and molybdenum
- Provides cytokinin for better reproductive development
- Mixes well with most crop protectants

OPTIMIZING YIELD POTENTIAL

Every Stoller product works to protect, enable, or enhance the maximum genetic expression of the plant.



PROTECT
YOUR YIELD POTENTIAL



ENABLE
YOUR YIELD POTENTIAL



ENHANCE
YOUR YIELD POTENTIAL

ACTIVE INGREDIENTS:

Cytokinin (as kinetin) 0.003%

Boron (B) 8.0%

Molybdenum (Mo) 0.004%

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EXCELLENCE
IN PLANT
PERFORMANCE

ENHANCE YOUR
YIELD POTENTIAL

X-CYTE®



ENHANCE YIELDS... EVEN WHEN THINGS HEAT UP IN YOUR FIELDS

We named the product X-Cyte®, because even if you don't know what the main ingredient cytokinin is, we know you'll be excited by what it does. When things heat up in your crops (*over 67 degrees in small grains and over 87 degrees in other row crops*) the growth hormone cytokinin starts to break down in plants. Why is this a big deal? Because this typically leads to tip-back and kernel loss in corn, and flower abortion and pod loss in soybeans. X-Cyte® works to restore hormonal balance, improve carbohydrate storage capacity, and increase cell division in plants for enhanced uniformity, density and quality of fruit / grain.

OPTIMIZING YIELD POTENTIAL

Every Stoller product works to protect, enable, or enhance the maximum genetic expression of the plant.



PROTECT
YOUR YIELD POTENTIAL



ENABLE
YOUR YIELD POTENTIAL



ENHANCE
YOUR YIELD POTENTIAL

ENHANCERS, LIKE X-CYTE® WORK TO OPTIMIZE A PLANT'S HEALTH, PHYSIOLOGY AND VIGOR AT EACH CRITICAL GROWTH STAGE.

PRODUCT BENEFITS

X-Cyte® is an EPA-registered plant growth regulator and yield stimulant. Talk to your Stoller representative and learn how you can achieve the following yield enhancing characteristics on your fields.

X-CYTE ON CORN

- Increased pollen production
- Increased fertility
- Increased kernel weight
- Increased grain density
- Reduced kernel abortion

X-CYTE ON SOYBEANS

- Increased seed size
- Increased seed weight
- Reduced pod loss

X-CYTE ON WHEAT AND SMALL GRAINS

- Increased grains per head
- Greater stalk strength

X-CYTE ON COTTON

- Increased bolls per plant

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RECOMMENDED FIELD APPLICATIONS

X-Cyte® is formulated for the following highlighted applications



FOLIAR APPLICATIONS

No need to make unnecessary passes over your field. X-Cyte® is tank-mix compatible with many leading fungicides.

APPLICATION TIMING

The recommended timing of an X-Cyte® application coincides with typical late-season fungicide application passes. Talk to your Stoller representative for more detailed information.

ACTIVE INGREDIENTS:

Cytokinin, as kinetin 0.04%
(contains 0.0064 oz. cytokinin/pint)

Other ingredients 99.6%

GUARANTEED ANALYSIS

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EXCELLENCE
IN PLANT
PERFORMANCE™

ENABLE YOUR
YIELD POTENTIAL

HARVEST PLUS®

FOUNDATIONAL NUTRITION FOR EVERY ACRE OF YOUR FARM

Achieving higher yields from year to year begins with building a sustainable and economical fertilization program that meets not only your performance goals, but operational goals as well. Stoller's Harvest Plus® premium liquid fertilizer is the keystone of that fertility program providing season-long plant nutrition through a proprietary formulation of essential micronutrients. Because of its compatibility with other Stoller yield enhancing products, many growers utilize Harvest Plus® as the first step in an integrated nutritional program.

OPTIMIZING YIELD POTENTIAL

Every Stoller product works to protect, enable or enhance the maximum genetic expression of the plant.



PROTECT
YOUR YIELD POTENTIAL



ENABLE
YOUR YIELD POTENTIAL



ENHANCE
YOUR YIELD POTENTIAL

ENABLERS, LIKE HARVEST PLUS®, OPTIMIZE THE EXECUTION AND PROPER TIMING OF CRITICAL FUNCTIONS WITHIN THE PLANTS GROWING CYCLE.

PRODUCT BENEFITS

FOUNDATIONAL PLANT NUTRITION & NITROGEN DELIVERY

Harvest Plus® liquid fertilizer provides the work-horse nutrients and nitrogen critical to the health and performance of your crops throughout the growing season.

WE NAMED IT PLUS FOR A REASON

Harvest Plus® has been specifically formulated to work in conjunction with other essential Stoller products such as Bio-Forge® Advanced, an abiotic stress reducer and Stimulate® Yield Enhancer Plus, an EPA-registered yield enhancer.

FORMULATED FOR MAXIMUM COMPATIBILITY

Harvest Plus® is a premium liquid fertilizer formulated for foliar applications, and is tank mix compatible with most industry insecticides, fungicides and herbicides.

IRON OUT, BORON IN

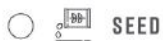
Boron plays a critical role in many plant functions including: cell wall formation, sugar movement, pollination and nitrogen fixing. It is also one of the most commonly occurring nutrient deficiencies in crops. This is why our scientists have added boron, in place of more commonly added iron, to the Harvest Plus® micronutrient line-up.

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RECOMMENDED FIELD APPLICATIONS

Harvest Plus® is formulated for the following highlighted applications



FOLIAR APPLICATIONS

No need to make unnecessary passes over your field. Harvest Plus® is formulated for in-tank compatibility with other field applications, simplifying your operations and maximizing productivity.

INSECTICIDE OR HERBICIDE

Insecticide and herbicide applications can damage healthy plant tissue, leaving plants vulnerable to abiotic stresses and disease. Mitigate plant stress and promote plant health by mixing Harvest Plus® in-tank with these applications.

Recommended timing v3 – v5 (most crops)

ACTIVE INGREDIENTS:

Total Nitrogen (N) 8.0%
8.0% Ammoniacal nitrogen

Sulfur (S) 3.0%
3.0% Combined sulfur

Boron (B) 0.25%

Manganese (Mn) 3.0%
3.0% Chelated manganese

Zinc (Zn) 3.0%
3.0% Chelated zinc

GUARANTEED ANALYSIS

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X-TRA POWER PREMIER™

ESSENTIAL NUTRITION

X-Tra Power Premier™ provides micronutrients and cytokinin essential for proper development and plant growth.

X-Tra Power Premier is an EPA-registered plant growth regulator and yield stimulant.

- Includes chelated forms of Mg, Cu, Mn, and Zn.
 - Mg: Pumps nutrients to the roots
 - Cu: Required for proper crop response to ethylene
 - Mn: Helps plant utilize energy and metabolize nitrogen
 - Zn: Essential for cell membrane integrity and genetic expression

PRODUCT BENEFITS

- Promotes early root development
- Increases plant vigor after emergence to improve early plant development
- Mixes well with most crop protectants

EPA-REGISTERED PRODUCT

Criteria for registration include but are not limited to:

- Evaluation of scientific data and assessment of risks and benefits of the product's use.
- Complete label review process for effective product performance while minimizing risks to human health and the environment.
- Rigorous examination of product ingredients, efficacy, label directions and manufacturing process.

ACTIVE INGREDIENTS

Cytokinin (askinetin).....	0.0075%
Magnesium (Mg)	0.8%
Copper (Cu).....	0.8%
Manganese (Mn).....	0.8%
Zinc (Zn).....	3.2%



SEED



SOIL



FOLIAR



IRRIGATION

RECOMMENDED FIELD APPLICATIONS

See label for more information about specific crops, rates and timing.

Products may not be registered in all states. Please contact your Stoller Representative, visit our website, or contact your state's agricultural regulatory agency for registration status. Always read and follow label directions. Conduct a "Jar Test" using all products in proper proportion in order to establish physical compatibility. Many factors contribute to crop performance and return on investment. Results not guaranteed.

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CORN

SEED TREATMENT OR IN-FURROW

Fortified Stimulate® Yield Enhancer Plus
OUR GOAL: Quicker, more uniform emergence and enhanced early growth,
especially early planting

2 oz/100 lbs seed 4 oz/acre minimum in-furrow 4 gallons of carrier/acre

V2-V5 (WITH SECOND PASS WEED CONTROL)

Critical time for determining ear size.
Choose 1 of 3 aggressive or defensive options:

**Micronutrients
with a PGR Boost:**

1 qt/acre
X-Tra Power
Premier™

**Aggressive Yield
Builder:**

4 oz/acre Fortified
Stimulate® Yield
Enhancer Plus

**Defensively
Aggressive:**

8 oz/acre
Bio-Forge®
Advanced

For extra nutrition to meet rapid growth demands: 1 qt/acre Harvest Plus

FUNGICIDE APPLICATION TIMING

OUR GOAL: Reduce ear tip back, better kernel fill, deeper kernels, build in more
yield, build in more profit

1 qt/acre Sugar Mover Premier™

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SOYBEANS

SEED TREATMENT OR IN-FURROW

Bio-Forge® Advanced or Fortified Stimulate® Yield Enhancer Plus

2 oz/100 lbs seed
4 oz/acre in-furrow

V2-V4 (WITH WEED CONTROL)

Dicamba Tolerant Beans

8 oz/acre Bio-Forge® Advanced
8 oz/acre X-Cyte™

Non-GMO Beans

8 oz/acre Bio-Forge® Advanced
1 qt/acre Harvest Plus®

R2-R4 WITH FUNGICIDE APPLICATION

Over 60% of yield is made or lost in the R stages of soybeans
OUR GOAL: Retain more pods per node, more seeds per pod, minimize flower and pod abortion, and produce larger seeds

1 qt/acre Sugar Mover Premier™

OR

8 oz/acre X-Cyte™ to reduce pod loss due to excessive heat

OR

8 oz/acre Bio-Forge® Advanced for low moisture conditions

**Add 2.5 lbs/acre of Harvest More™ Urea Mate for extra nutrition*