



2025 Product Guide



 @MarcoNPK

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Website marconpk.com

MARCO N.P.K., INC.

201 East Benton
Clinton, IL 61727



IN-FURROW FERTILITY

PAGES 1-4

- » QuickGrow Elite (8-27-4-2.7S-.25 Zn)
- » QuickGrow LTE (6-20-4-2.7S-.25 Zn)
- » LTE & BioMarc
- » LTE & MicroPack
- » QuickGrow Complete (With-Biological, MicroPack, Hormone)



PLANTER BANDED FERTILITY

PAGES 5-6

- » NutriStart 7-22-5-.25Zn
- » NutriStart 7-18-6-2S-.25Zn
- » NutriStart 8-18-6-6S-.125Zn
- » NutriStart 9.8-30-0-2S-.5Zn
- » NutriStart BOOST (14-12-4-6S)
 - BOOST recommended for corn & soybean applications
- » **NutriStart.....Other customized blends available**



STARTERS, SIDEDRESS & Y-DROP®

PAGE 7

- » **Biological Extract**
 - Increases nutrient acquisition
 - Boosts plant vigor
 - Mitigates salt induced stress
 - Improved soil health

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and field trial results.





STARTERS OR FOLIAR

PAGE 8

- » **Micronutrients**
 - 4.6% N, 3% K, .8% Mn, 1.5% Ca, .8% Fe (EDTA Chelated Micronutrient Solution)
 - EDTA Chelation
 - 1 – 2 Qt/Acre



FOLIAR NUTRITION

PAGE 9

- » 8-12-40 with essential micronutrients
- » Corn, soybeans, wheat & alfalfa applications
- » Nutrient combination ideal for high yield program
- » Water soluble formulation which mixes well in cold water
- » Includes high level of Potassium as well as other critical micro nutrients



NUTRI-PORT CHELATION TECHNOLOGY

PAGE 10

- » Innovative chelate which is 100% utilized by plant
- » Increased compatibility over citric acid
- » Improved absorptivity



FOLIAR NUTRITION

PAGE 11

- » 4% S - 3% Mn - 3% Zn - 0.25% B
- » Corn, soybeans, wheat & alfalfa applications
- » Combination of Sulfur, Boron, Manganese & Zinc
- » Nutri-Port chelation technology for better plant uptake

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PRE-PLANT, PRE-EMERGE OR FOLIAR

PAGE 12

- » 3.5% Fe + 3.5% Mn + 4% S
- » Enhanced Nutrient Uptake: Foliar applications allow for quick absorption of enclosed nutrients
- » Improved Crop Health: Iron and Manganese are essential for chlorophyll production and enzyme function
- » Increased Photosynthesis: Adequate levels of Iron and Manganese enhance photosynthetic efficiency
- » Excellent tank mix compatibility
- » Non Staining



WITH STARTERS OR FOLIAR

PAGE 13

- » Increased Nutrient Utilization: Zinc contributes to the efficient use of other nutrients especially Phosphorus
- » Enhanced growth: Zinc is crucial for enzyme function and protein synthesis which improves plant growth
- » Nutri-port chelation technology: Increases absorption and movement of nutrients within plants
- » Improved tank-mix compatibility with Ortho & Poly Phosphates
- » **NOT LABELED FOR USE WITH POTASSIUM ACETATE**



WITH STARTERS & BROADCAST

PAGE 14

- » Cost effective way to supply Zinc
- » Compatible with UAN, ATS & 10-34-0
- » Do not apply directly on seed



FOLIAR NUTRITION

PAGE 15

- » Enhanced Plant Structure: Calcium is vital for cell wall formation, leading to stronger more resilient plants
- » Improved Disease Resistance: Silica enhances the plant's defense mechanisms
- » Multiple applications recommended in high yield environments, particularly during flowering.

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SEED TREATMENT OR IN-FURROW

PAGE 16

- » Premium blend of Mycorrhiza fungi and beneficial microbes in spore form
- » Seed or in-furrow applications.
- » Myco Boost for monocot applications



SEED TREATMENT OR IN-FURROW

PAGE 17

- » Premium blend of Mycorrhiza fungi and beneficial microbes in spore form
- » Special blend optimized for Legume crops
- » Seed or in furrow applications
- » Contains Bradyrhizobium



SOIL APPLIED OR FOLIAR

PAGE 18

- » Fermented oil seed hydrolysate with high levels of L Amino acids
- » For Foliar and soil applications
- » Omri certified



WITH STARTER, BROADCAST, SIDEDRESS & FOLIAR

PAGE 19

- » High concentration of fermentation extracted L Amino acids
- » Ascophyllum based sea weed for stress mitigation
- » Fulvic acid for improved nutrient availability
- » High organic carbon for improved soil biological health

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LIQUID UREA & POTASSIUM

PAGE 20

- » Early or late foliar applications
- » Early applications 1 – 2 GPA
- » Late applications 1 – 3 GPA



SIDEDRESS & Y-DROP® & PLANTER BANDED

PAGE 21

- » Nitro "K" (20-0-4)
- » Nitro "K" Complete (22-0-4-4S)



NITROGEN/SULFUR NUTRITION OPTIONS

PAGE 22

- » Safe "N" Complete (29-0-0-4S)
- » Safe "N" Sidedress (26-0-0-8S)



LIQUID AMS

PAGE 23

- » Anti-Foam
- » Compatibility Agent
- » 3.8#/gallon AMS
- » 4.5 gallons/100 = 17#/100

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GROWER PROGRAMS

PAGES 24-25

- » **Equipment**
- » **Storage**



GROWER PROGRAM

PAGE 26

- » **Equipment**

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Breakdown

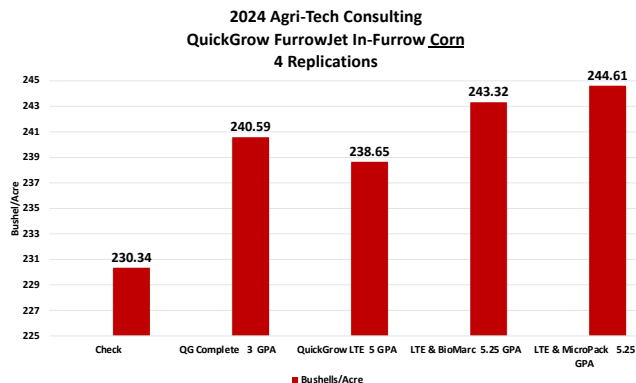
QuickGrow brands are high quality liquid fertility options manufactured with Marco 10-34-0, low chloride potassium, low salt sulfur and 9% zinc. In-furrow applications of QuickGrow brands are economical, seed safe products to optimize a corn plant yield potential.

Product Information

- » Use: In-furrow and FurrowJet™
- » Recommended corn rate (Elite & LTE): 5 GPA In-Furrow 5 GPA – 10 GPA FurrowJet™
- » Recommended corn rate (LTE & BioMarc + LTE & MicroPack): 5.25 GPA In-Furrow 5.25 GPA – 10 GPA FurrowJet™
- » Recommended corn rate (Complete): 3 - 5 GPA In-Furrow or FurrowJet™
- » Formulation: 75/25 Poly/Ortho
- » Balanced formulation of N, P, K, 9% Zn and S
- » Can be applied in-furrow with insecticides, fungicides or biologicals (always jar test to confirm compatibility)
- » QuickGrow brands consistently improve early plant growth increasing the potential for maximum yield and lower harvest moisture

Weight per Gallon

- » QuickGrow Elite (8-27-4-2.7S-.25Zn) 11.53#/gallon
- » QuickGrow LTE (6-20-4-2.7S-.25Zn) 10.72#/gallon
- » QuickGrow LTE & BioMarc 10.61#/gallon
- » QuickGrow LTE & MicroPack 10.69#/gallon
- » QuickGrow Complete (LTE + Enhancements) 10.32#/gallon



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Breakdown

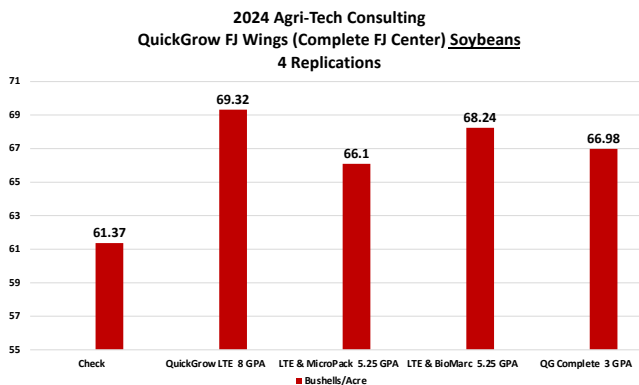
QuickGrow brands are high quality liquid fertility options manufactured with Marco 10-34-0, low chloride potassium, low salt sulfur and 9% zinc. In-furrow applications of QuickGrow brands are economical, seed safe products to optimize a soybean plant yield potential.

Product Information

- » Use: In-furrow and FurrowJet™
- » Recommended soybean rate (Elite & LTE):
5 GPA – 10 GPA FurrowJet™ WINGS
- » Recommended soybean rate (LTE & BioMarc + LTE & MicroPack): 5.25 GPA – 10 GPA FurrowJet™ WINGS
- » Recommended soybean rate (Complete):
3 GPA In-Furrow or FurrowJet™ (Adding a gallon of water for a total rate of 4 GPA is recommended for in-furrow applications on lower organic soils, sandy soils or dry soils)
- » Formulation: 75/25 Poly/Ortho
- » Balanced formulation of N, P, K, 9% Zn and S
- » Can be applied in-furrow with insecticides, fungicides or biologicals (always jar test to confirm compatibility)
- » QuickGrow brands consistently improve early plant growth increasing the potential for maximum yield and lower harvest moisture

Weight per Gallon

- » QuickGrow Elite (8-27-4-2.7S-.25Zn)
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- » QuickGrow Complete (LTE + Enhancements)
10.32#/gallon



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Breakdown

QuickGrow Complete delivers all that your Corn or Soybean crop needs to build your High Yield foundation. Manufactured with Marco 10-34-0, low chloride potassium, low salt sulfur and 9% EDTA zinc. In-furrow applications of QuickGrow Complete are economical, seed safe products to optimize corn & soybean plants yield potential.

Product Benefits



Latest technologies: QuickGrow Complete contains the latest in Fertilizer optimization and Biological components to improve early nutrient availability and overall plant vigor.



Improved Operational Efficiency: With a standard rate of 3 GPA, QuickGrow Complete allows your farm to reduce down time due to starter fills.

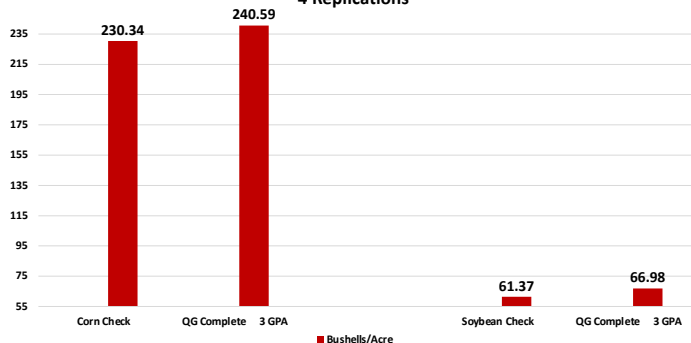


ROI: QuickGrow Complete has delivered the highest yield and ROI in replicated research trials.

Information

- » Analysis 5-14-3-2.4S-.25Zn
- » Use: In-furrow and FurrowJet™
- » Recommended corn rate: 3 GPA – 5 GPA In-Furrow or FurrowJet™
- » Recommended soybean rate: 3 GPA In-Furrow – 5 GPA FurrowJet™
- » For soybeans in-furrow applications, consider blending with .5 – 1 gallon of water for use on lower organic soils, sandy soils or dry soils
- » Formulation: 75/25 Poly/Ortho
- » Balanced formulation of N, P, K, 9% EDTA Zn, S, and Biologicals
- » Can be applied in-furrow with insecticides, fungicides or biologicals (always jar test to confirm compatibility)
- » 10.32# per gallon

2024 Agri-Tech Consulting
QuickGrow Complete Corn & Soybeans
4 Replications



Scan this code or go to marconpk.com for fact sheets, labels/sds and field trial results.





Recommendations

Corn (Ranked)..... **In-Furrow**

1. 5.25 GPA QuickGrow LTE & BioMarc
2. 5.25 GPA QuickGrow LTE & MicroPack
3. 5 GPA QuickGrow Elite
4. 5 GPA QuickGrow LTE
 - **FurrowJet™ applications have shown positive ROI's up to 8 GPA for QuickGrow LTE.**
5. 3 - 5 GPA QuickGrow Complete

Soybeans (Ranked).....**FurrowJet™ Wings**

1. 5 - 10 GPA QuickGrow LTE & .25 GPA BioMarc
2. 5 - 10 GPA QuickGrow LTE & .25 GPA MicroPack
3. 5 - 10 GPA QuickGrow LTE

Soybeans.....**In-Furrow**

1. 3 GPA QuickGrow Complete
 - **Consider blending with .5 - 1 gallon of water for applications on lower organic soils, sandy soils or dry soils**





Breakdown

NutriStart brands are designed for planter banded fertility applications (Conceal, 2 x 2, Huckstep Shoe, etc...). NutriStart products are manufactured with Marco 10-34-0, Potassium - soluble potash (K₂O), Sulfur - Ammonium Thio Sulfate and utilizing 9% Zinc or Micro Z-15 when Zinc is used.

Marco offers numerous additional NutriStart blends.

Product Information

- » Recommended use: Planter banded
- » Consult Marco representative before applying in-furrow or FurrowJet™
- » Recommended rate: 5 GPA – 15 GPA
- » Labeled crop – Corn & Soybeans
- » Formulation 75/25 Poly/Ortho

Weight per Gallon

- » NutriStart 7-22-5-.25Zn
10.8#/gallon
- » NutriStart 7-18-6-2S-.25Zn
10.8#/gallon
- » 8-18-6-6S-.125Zn
11.15#/gallon
- » 9.8-30-0-2S-.5Zn
11.3#/gallon
- » BOOST (14-12-4-6S)
10.83#/gallon

Historical Planter Banded Fertility Benefits

- » Improved early plant growth promoting seed production
- » Accelerates corn development to pollination
- » Reduced harvest moisture
- » Best placement and timing for higher nutrient utilization (4R's)



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MARCO[®]
NutriStart BOOST

Recommendations

Analysis: 14-12-4-6S

Corn Applications

- 10 – 20 GPA
 - Precision Planting Conceal
 - Conventional 2 x 2
 - NOT INTENDED FOR IN-FURROW APPLICATIONS

Soybean Applications

- 10 – 20 GPA
 - Precision Planting Conceal
 - Conventional 2 x 2
 - NOT INTENDED FOR IN-FURROW APPLICATIONS

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BIOLOGICAL
EXTRACT
STARTERS &
SIDEDRESS

Breakdown

A unique combination of naturally extracted bio-stimulants including kelp based materials, coupled with nutrient enabling technologies that enhance liquid fertilizer performance.

Product Benefits



Increases nutrient acquisition



Boosts plant vigor

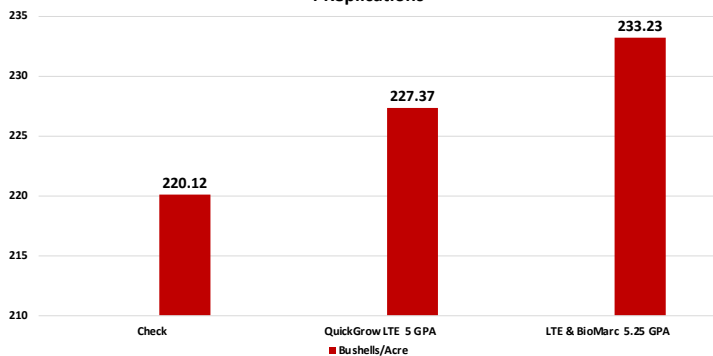


Mitigates salt and drought related stresses



7 year consistent yield response in replicated trials

2018-2024 Agri-Tech Consulting
7 Year BioMarc Trial Corn
4 Replications



QuickGrow LTE + BioMarc = 5.86 bushels per acre advantage vs. QuickGrow LTE alone and 13.11 bushels per acre advantage vs. untreated check!

Information

- » 0.5-1 Qt/A.....In-Furrow or Banded starter fertilizers
- » 1 Qt/A.....Sidedress or Y-Drop applications
- » 8.34# per gallon

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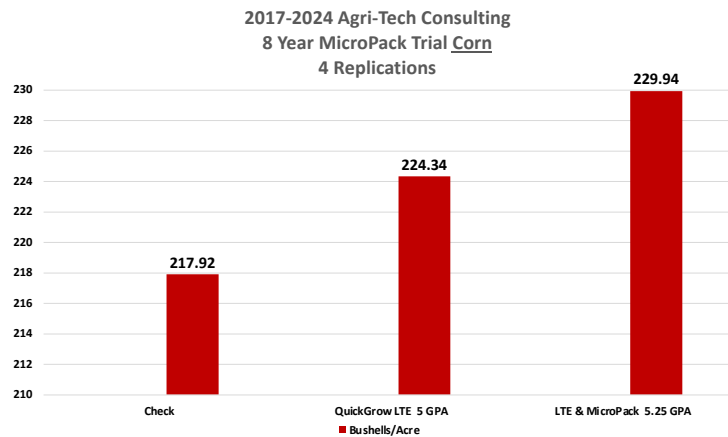
Breakdown

N 4.6%---K 3%---Mn 0.80%---Ca 1.50%---Fe 0.80%
EDTA Chelation

Information

- » Recommended as a foliar application alone or in combination with compatible agriculture chemicals.
- » .25 - .50 GPA use rate
- » Recommended with starter fertilizer

8 year consistent yield response in replicated trials



QuickGrow LTE + MicroPack =
5.60 bushels per acre advantage vs. QuickGrow LTE alone
and 12.02 bushels per acre advantage vs. untreated check!

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Breakdown

Marco Foliar Complete was developed to overcome the most common macro and micro deficiencies observed in high yield environments. The highly concentrated, water soluble formulation is an efficient way to provide foliar nutrition to your crop.

Product Features



Balanced 1:2:5 ratio NPK + Micros



Small particle size hydrates easily



Includes anti-caking compound for dual season storage



High potassium load designed to be a part of high yielding programs

Information

- » Analysis 8-12-40-3.2S-1Mg-.03B-.05Cu-.1Mn-.02Mo-.1Zn
- » Use: Post emergence applications
- » Recommended rates: Early post .5 to 1# per acre via ground
 - R2-R3 1-2#'s per acre
 - R4-R5 additional 1-2#'s per acre
 - Aircraft application .5# per acre (Min 2 GPA)
- » 25# bags: 80 per pallet total 2,000 pounds

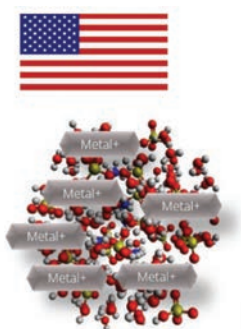


also suitable for wheat and alfalfa

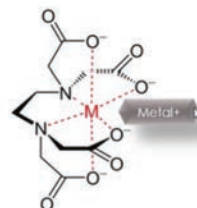
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Chelate Alternative (Nutri-Port) to EDTA



Component chemistry attracts metals and is made of plant nutrients. This process is 6-10 times more effective than EDTA. Like an ice cream cone, the plant eats the ice cream - and the cone!



EDTA and citric acid complex metals one ion at a time, and EDTA persists in the plant and the environment. EDTA is like an ice cream cup - the plant eats the ice cream, but the cup doesn't go away.

New Nutri-Port Chelate Technology Products Manufactured by Marco



GUARANTEED ANALYSIS:

Zinc (Zn)	9.0%
9.0% Water Soluble Zinc (Zn)	
Sulfur (S)	4.5%
4.5% Combined Sulfur	

Pre or Post applications



GUARANTEED ANALYSIS:

Iron (Fe)	3.50%
5.0% Water Soluble Iron (Fe)	
Sulfur (S)	4.6%
4.6% Combined Sulfur	
Derived from Ferrous Sulfate Heptahydrate	
Manganese (Mn)	3.5%
Derived from Manganese Sulfate	

Pre or Post applications



GUARANTEED ANALYSIS:

Sulfur (S)	4.0%
4.0% Combined Sulfur	
Manganese (Mn)	3.0%
3.0% Water Soluble Manganese (Mn)	
Zinc (Zn)	3.0%
3.0% Water Soluble Zinc (Zn)	
Boron (B)	0.25%

Post applications

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MARCO[®]**Micro 4**

Breakdown

Micro 4 is a new foliar offering from Marco. Utilizing Marco's Nutri-port technology, uptake and movement throughout the plant is greatly increased vs. current market offerings. Nutri-port technology also ensures maximum mixing compatibility, while utilizing a nutrient complex delivery system which is 100% available as nutrition to the plant.

Guaranteed Analysis

Sulfur (S).....	4.0%
4.0% Combined Sulfur	
Manganese (Mn).....	3.0%
3.0% Water Soluble Manganese (Mn)	
Zinc (Zn).....	3.0%
3.0% Water Soluble Zinc (Zn)	
Boron (B).....	0.25%

Information

- » 9.9 #/gallon
- » Band 2X2, foliar, and aerial applications
- » Recommended acre rate:
 - Foliar 1-2 Pints
 - Banded 1-8 Pints
 - 2X2 1-8 Pints
 - Aerial 1-2 Pints

also suitable for wheat and alfalfa

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Breakdown

Marco Iron Plus provides a blend of micro nutrients which are critical during the earlier stages of crop development. In combination these components greatly improve early season growth and vigor.

Product Information

- » **Use:** Pre-emergence or early post emergence
- » **Recommended rate:**
 - Pre-emergence 2-2.5 Quarts per acre
 - Foliar 1-2 Pints per acre
 - Row or Band 1-2 Quarts per acre
- » **Features:**
 - Unique non-staining formulation
 - Highly compatible formulation (Jar test still recommended)
 - Iron/Sulfur blended product
 - Improved chlorophyll efficiency and early crop development.

Guaranteed Analysis

Iron (FE).....	3.5%
Sulfur (S).....	4.0%
Manganese (Mn).....	3.5%

*Always read and follow label directions

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MARCO®

Zinc 9-Plus

STARTER &
FOLIAR
APPLICATIONS

Breakdown

Zinc 9-Plus is a new 9% zinc solution for both soil and foliar applications.

Zinc 9-Plus blends with Polyphosphates, UAN 32 and 28, ATS, KTS, and most fluid fertilizers.

Contains no Ammonim Nitrogen for maximum seed safety

Not recommended for use with products containing Potassium Acetate.

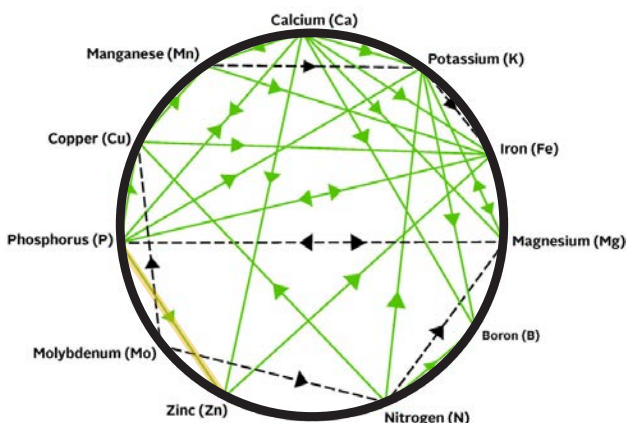
Always do a jar test to confirm compatibility.

Guaranteed Analysis

Zinc (Zn).....9%
Sulfur (S).....4.5%

Information

- » 10.75#/gallon
- » In-furrow, banded, and foliar
- » Recommended acre rate:
 - Starter 1-2 Pints
 - 2X2 1-8 Pints
 - Foliar 1-2 Pints



ANTAGONISM ———→
Decreased availability of a nutrient to a plant due to the action of another nutrient

STIMULATION - - - - -→
High level of a nutrient increases the demand by the plant for another nutrient

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Breakdown

Micro Z-15 is designed for soil broadcast and planter banded applications. Do not apply directly to the seed. It is an economical way to supply Zinc. Always perform jar test before mixing.

Guaranteed Analysis

Total Nitrogen (N).....13.0% 13.0% Ammoniacal Nitrogen

Zinc (Zn).....15.0% Derived from: zinc chloride, anhydrous ammonia, zinc sulfate

CAUTION: This fertilizer contains zinc and should be used only as recommended. It may prove harmful when misused.

PRODUCT INFORMATION: Marco ammoniated complexes are designed to mix with ammonium polyphosphate (APP) solutions and are compatible with UAN and ammonium thiosulfate. When applied with a liquid starter in a concentrated band underneath the soil surface at planting, Marco Micro Z-15 ammoniated zinc can be ten times more effective than dry broadcast zinc. Application of zinc with phosphate fertilizer optimizes uptake of P and Zn in plants which enhances fertilizer efficiency and plant utilization when applied at correct rates.

DIRECTIONS FOR USE: Use in accordance with recommendations of a qualified individual. Do not apply directly on the seed.

Soil Application: Apply in-furrow, 2x2 or at sidedress or topdress. Do not apply directly on the seed in saline, alkali, or coarse textured soils.

RECOMMENDED RATES: This product should be used on the basis of a soil and/or tissue analysis. Suggested application rates are for one growing season (gallons per acre) in the absence of soil and/or tissue analysis.

GENERAL RECOMMENDATIONS*			
ZINC SOIL TEST RANGE	PLANT CONDITION	AMOUNT OF AMMONIATED ZINC PER ACRE	
		Starter Application	Broadcast
Very Low	Severe Deficiency	1.5-3 quarts	3-4.5 quarts
Low	Mild Deficiency	0.75-1.5 quarts	1.5-2.25 quarts
Medium	Slight Deficiency	0.75 quart	0.75-1 quart
High	Maintenance Only	0.75 pint	0.75 pint

*Corn, soybeans, sorghum, cotton and other field crops that have a medium to high response to zinc. Consideration for timing, rate, and placement are important for best results. Application rates vary depending on crop need for zinc and soil fertility levels.

AMOUNT TO ADD TO LIQUID FERTILIZERS*		
% Actual zinc desired	Amount of Ammoniated Zinc to add per ton of liquid fertilizer	Amount of Ammoniated Zinc to add per 100 gallons of liquid fertilizer (assume 11.0 lbs/gallon)
0.05%	0.62 gallons (6.67 lbs)	0.34 gallons (3.67 lbs)
0.10%	1.24 gallons (13.34 lbs)	0.68 gallons (7.34 lbs)
0.20%	2.47 gallons (26.68 lbs)	1.36 gallons (14.67 lbs)
0.30%	3.71 gallons (40lbs)	2.04 gallons (22 lbs)

*Add Ammoniated Zinc to liquid fertilizer and agitate until thoroughly mixed.

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Breakdown

Calcium uptake is often limited due to nutrient tie-up in the soil. This critical nutrient greatly influences the uptake and utilization of nutrients within the plant. In combination with silica, the pair also enhance cell wall strength while also improving disease and pest resistance.

Product Information

- » Multiple applications recommended in high yield environments, particularly during flowering.
- » Calcium & Silica function within plants
 - Cell wall stability helping reduce green snap and withering.
 - Improves stress tolerance from drought, heat and salinity.

Guaranteed Analysis

Calcium (Ca).....10%
Silica..... .2%

DIRECTIONS FOR USE: Calcium + is intended for foliar use. Apply 1 to 2 quarts per acre with sufficient water for thorough coverage. For best results, spray in early morning or late afternoon. Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops.

APPLICATION PRECAUTIONS: Tank Mixes

Calcium + is compatible with many fertilizers and pesticides but a compatibility check is always recommended. Fill the tank 1/2 to 2/3 with water and begin agitation and add tank-mix partner products (surfactants, pesticides, etc.) to the tank based on manufacturer labeled instructions. Mixing order will depend on the tank-mix partners. If the tank-mix partners are sensitive to high pH, add Calcium + first to lower the pH of the spray solution. If the tank-mix partners are sensitive to low pH solutions, add Calcium + last and spray immediately after mixing. For adjuvants refer the tank-mix partner labels for the proper mixing order and adjuvant selection. If mixing with fixed copper based fungicides use the lowest labeled rate of Calcium + and ensure good drying conditions exist at time of application.

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Breakdown

CRITICAL SPORE FORM FUNGI AND MICROBES.

Product Information

- » Increases nutrient availability and efficiently.
- » Seed or in-furrow applications.
- » Myco Boost for monocot applications

Active Ingredients

Endomycorrhizal Fungi

Glomus Intraradices, Glomus Mosseae, Glomus Deserticola, Glomus Fasciculatum, Glomus Clarum, Glomus Microaggregatum, Glomus Monosporum6,946 Spores per Oz

Rhizosphere Microbes

Paenibacillus Chitinolyticus	5 x 10 ⁹
Bacillus Firmus	5 x 10 ⁹
Bacillus Subtilis, Bacillus Licheniformis, Bacillus Megaterium, Bacillus Pumilis, Bacillus Amyloliquefaciens	2.5 x 10 ⁸
Pseudomonas Putida	1.25 x 10 ⁸
Streptomyces Lydicus	1.25 x 10 ⁸

Inert Ingredients

Includes a clay carrier for Mycorrhizae

APPLICATION METHOD AND RATES: Seed Coat: MycoBoost can be applied by mixing the product with seeds before or at the time of planting. MycoBoost can be mixed directly in the planter box, the hopper or pre-mixed prior to loading the seed in the planter.

Seed Coat Application Rate: 2 oz per cwt or 1 oz per 50 lbs. of seed

In Furrow: Slowly mix product in adequate volume of water to treat the desired acres being planted and based on individual operational needs. Constant agitation of the tank is required.

In Furrow Application Rate: 1 oz per acre

APPLICATION DIRECTIONS: * For best results, apply product under moist soil or growing conditions, at planting in close proximity to roots.

- * Can be applied to seeds prior to planting, in furrow at planting, or as a soil drench.
- * Do not apply as a foliar treatment or to dry soils. Optimal application temperature is between 50 oF and 86 oF.
- * In Furrow use a minimum 50 mesh screens to help prevent plugging of nozzles.

Scan this code or go to marconpk.com for fact sheets, labels/sds and field trial results.





MARCO[®]

Myco Boost Legume

Breakdown

Myco Boost is a premium blend of Mycorrhizal fungi and beneficial microbes in spore form

MycoBoost - Legume synergistic effect between the Mycorrhizal Fungi and beneficial microbes helps unlock nutrients in the soil and converts to plant available forms. Blend also includes Bradyrhizobium for increase nitrogen fixation.

Product Information

- » Improved organic matter decomposition
- » Enhance soil nutrient solubility
- » Increase nutrient uptake
- » Helps fix atmospheric nitrogen

Active Ingredients

Endomycorrhizal Fungi

Glomus Intradices, Glomus Mosseae, Glomus Etuicatum, Glomus Aggregatum

200 spores per gram

Beneficial Microbes

Bradyrhizobium Japonicum - 1×10^9

Bacillus Subtilis, Bacillus Licheniformis, Bacillus Amyloliquefaciens, Bacillus Megaterium, Trichoderma Harzianum, Trichoderma Reesei, Azotobacter Chroococcum, Azotobacter Vinelandii, Azospirillum Lipoferum, Pseudomonas Putida, Pseudomonas Fluorescens, Streptomyces Lydicus, Streptomyces Griseus

2.85×10^9 cfu per gram

USE RATES:

Seed Coat: 2 oz per 50lbs of seed

Infurrow: 2 oz - 3 oz per acre

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Breakdown

Amino 3-1-1 is an excellent general nutritional source for all organic crops. Derived through fermentation, the final solution contains a high level of available L Amino acids as well as soluble carbon, minerals and phytohormones

Product Information

- » Fermented oil seed hydrolysate.
- » For foliar and soil applications
- » Low in salt
- » Omri certified

Guaranteed Analysis

Total Nitrogen (N) 3%
2.55% Water Soluble Nitrogen
0.45% Water Insoluble Nitrogen

Available Phosphate (P₂O₅) 1%

Soluble Potash (K₂O) 1%

Derived From: Fermented Oilseed Extract

F2358

Pathogen Free

10 lbs. per gallon at 68°F

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STARTER,
SIDE-DRESS,
BROADCAST
& FOLIAR

Breakdown

Manufactured from concentrated bioactive compounds, through a biological cold press process. Apply in combination with your conventional herbicide or fungicide program. Best when utilized prior to key growth stages or periods of plant stress.

Product Information

- » **Use:** Foliar
- » **Recommended rate:**
 - Foliar Applications 20 oz. per acre
- » **Formulation:**



Weight per Gallon

- » 8.95#/gallon



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MARCO®

17-0-5

Breakdown

Late season nutrition is critical for high yielding crops. Marco's urea based 17-0-5 is the perfect solution for late season fertility. This highly compatible, lower biuret solution provides the critical nutrients needed to help achieve your yield goals.

Product Information

- » **Use:** Early or late post emergence
- » **Recommended rate:**
 - Early Post: 1-2 gallons per acre
 - Later Post: 1-3 gallons per acre
 - 20 GPA recommended total application rate

- » Highly compatible formulation (Jar test still recommended)
- » Urea/Potassium blend

Weight per Gallon

- » 8.95#/gallon



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Product Features

- » Planter banded, side-dress, Y-Drop® and fertigation applications
- » Supplies corn plant's demand of nitrogen, potassium and sulfur (Nitro "K" Complete)
- » **Symbiotic relationship between nitrogen and potassium improves nitrogen efficiency vs. straight UAN**
- » Nitro "K" 20-0-4 / long time Marco product
- » Nitro "K" Complete 22-0-4-4S / manufactured to meet current sulfur demands
- » Custom blended for superior product quality and consistent analysis
- » **Can be blended with 1 qt./A of BioMarc**

Weight per Gallon

- » Nitro K 10.2#/gallon
- » Nitro "K" Complete 10.72#/gallon



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Corn Belt Research (Map)

- » Research shows 13-17 bushel/A advantage with UAN + ATS vs. straight UAN

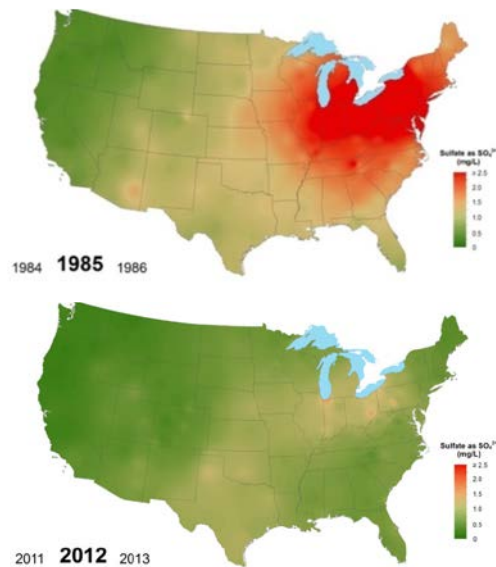
Benefits of Safe "N" Products

- » Inhibit the nitrification process by slowing down the breakdown of urease enzyme
- » Readily available Sulfate + Nitrogen source for immediate plant uptake
- » Meets Sulfur needs of Illinois soils (1985 vs. 2012 Sulfur deposition maps).
- » Safe "N" Complete is compatible with most pesticides – recommend jar test.

Sulfur Yield Results



1985 vs. 2012 Sulfur Comparison



Weight per gallon + Salt Out Temperature

- » Safe "N" Complete 10.96#/gallon 5 degree salt out
- » Safe "N" Sidedress 11.06#/gallon 32 degree salt out

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Breakdown

Guaranteed analysis.....8-0-0-9S
 Active Ingredients: Ammonium Sulfate.....38% by weight
 Inert ingredients.....62% by weight

Double filtered true solution manufactured with high grade Ammonium Sulfate (21-0-0-24), Compatibility Agent Spreader, and Buffering Agent consisting of Alkyl Alcohol, Alhoxylate, Phosphate, a 2-butoxyethanol, and a proprietary blend of antifoaming agents, emulsifiers and constituents ineffective as a spray adjuvant.



Product Features



Ties up antagonistic calcium ions found in hard water.



Provides required levels of ammonium ions for increased plant uptake.



Mixes quickly and easily in cold, hard water conditions.



Low foaming



Less tank mixing antagonism



Approved Adjuvant for Enlist One®

Use Rates

1 gallon AMS-Extra equates to 3.8# ammonium sulfate. Use volumes below for desired rates:

- 4.5 gal AMS-Extra/100 gal = 17# ammonium sulfate per 100 gal
- 3 qt./acre of AMS-Extra = 2.9# ammonium sulfate per acre

Weight per Gallon and Storage Requirements

- 10.2# per gallon
- May be stored below 32°
- Recirculate after freezing
- Store in stainless steel, fiberglass, or fertilizer grade poly tanks

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2025 QuickGrow Equipment Program



Equipment Partnership Details:

- » All new QuickGrow growers qualify.
- » **Grower** purchases equipment of choice.
- » **Retailer** provides Marco a copy of grower's **equipment** invoice by March 31st, 2025.
- » **Retailer** provides Marco a copy of growers **QuickGrow** invoice by August 31st, 2025.
- » Program redemption on qualifying grower purchases.
 - **\$0.50/gal (QuickGrow Elite)**
 - **\$0.40/gal (QuickGrow LTE)**
 - **\$0.60/gal (QuickGrow LTE & MicroPack)**
 - **\$0.60/gal (QuickGrow LTE & BioMarc)**
 - **\$0.75/gal (QuickGrow Complete)**
 - **Offer is good for three years or up to the cost of equipment.**
 - **Marco N.P.K., INC.** redeems program check to retailer for each qualifying grower. Retailer administers grower payment.

Dealer Name & Location _____

Grower Name _____

Grower Address _____

Grower Phone _____

Grower e-mail _____

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2025 QuickGrow Storage Tank Program



Program Details:

- » **Grower** purchases storage tank of choice (portable or permanent).
- » Program redemption paid on all 2025 + 2026 QuickGrow purchases up to the cost of the tank.
 - **\$0.50/gal (QuickGrow Elite)**
 - **\$0.40/gal (QuickGrow LTE)**
 - **\$0.60/gal (QuickGrow LTE & MicroPack)**
 - **\$0.60/gal (QuickGrow LTE & BioMarc)**
 - **\$0.75/gal (QuickGrow Complete)**
 - **Marco N.P.K., INC.** redeems program check to retailer in calendar year 2025 & 2026 (if applicable).

Dealer Name & Location _____

Grower Name _____

Grower Address _____

Grower Phone _____

Grower e-mail _____

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2025 NutriStart BOOST Equipment Program



Equipment Partnership Details:

- » All new NutriStart BOOST (14-12-4-6S) growers qualify.
- » **Grower** purchases equipment of choice.
- » **Retailer** provides Marco a copy of grower's **equipment** invoice by March 31st, 2025.
- » **Retailer** provides Marco a copy of growers **NutriStart BOOST** invoice (purchases) by August 31st, 2025.
- » Program redemption on qualifying grower NutriStart BOOST purchases.
 - **\$0.25/gallon**
 - **Offer is good for three years or up to the cost of equipment.**
 - **Marco N.P.K., INC.** redeems program check to retailer for each qualifying grower. Retailer administers grower payment.
- » NutriStart BOOST recommended use rate 10 – 15 GPA.

Dealer Name & Location _____

Grower Name _____

Grower Address _____

Grower Phone _____

Grower e-mail _____

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MARCO N.P.K., INC.
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