Directions for Commercial Use:
Ground apply BioMax at a rate of 1 to 2 quarts per acre. BioMax can be ground applied or injected through most irrigation systems including drip and center pivots. If ground applying, ensure that BioMax is incorporated into the soil within two weeks after application, either mechanically or with sufficient water to wet soil to a depth of 1 inch. BioMax can be mixed with most fertilizers and pesticides. A compatibility check is recommended. BioMax is intended to supplement and enhance a full ground fertility program as recommended in accordance with a reliable soil analysis. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using this product.

Warning:
Do not put BioMax through sub-surface irrigation tape that has been pre-treated with herbicides. Do not mix BioMax with pre-emergent herbicides.

Guaranteed Analysis:
Cobalt (Co) 0.12%
Manganese (Mn) 1.50%
Zinc (Zn) 3.50%

Derived from
Cobalt Carbonate, Manganese Sulfate, Zinc Sulfate

Warranty
1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.
2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE
KEEP OUT OF REACH OF CHILDREN
BIOMAX™ Better Soils, Better Crops

Better performance is when you need — BioMax performs several times better and results in increased crop yields. All increased soil health results in increased soil nutrition and can lead to improved crop quality and yield. This makes BioMax the clear choice to improve fertilizer efficiency, yield and quality.

BioMax is a soil biological stimulator that increases aerobic bacteria (vs. anaerobic) and beneficial fungi, such as mycorrhizae. BioMax contains specific food and nutrition compounds that are adapted to specific soil, crop and environmental conditions, and therefore not adapted to specific soil and environmental conditions, which often limits their longevity and effectiveness. They also require proper storage, handling and application preparation. Compost teas require a longer preparation time than other alternatives. This makes BioMax the clear choice to improve fertilizer efficiency, yield and quality.

Science-Driven Nutrition™
How does BioMax work?

BioMax increases the native beneficial soil microbial populations for a temporary time period (generally 3-4 weeks). The increase in biological activity results in additional production and releases of carbon dioxide and organic acids.

The significant additional release of carbon dioxide causes a natural aeration effect in the soil. This results in improved soil tilth and moisture penetration. This can be very beneficial in soils with hardpan layers and/or poorly drained or overly wet soils.

The additional production of organic acids and microbial exudates released into the soil increases the binding of soil particles, which increases the water holding capacity of the soil. In growing regions increased moisture holding capacity is beneficial to yield potential and reducing irrigation expenses.

Recommended Applications:

The recommended rate of BioMax is 1-2 quarts per acre. Used on a regular basis (1 to 2 times annually depending on the crop and location), BioMax can improve soil function, root health and environmental conditions, which will improve yield and value.

Recommended Cropping Systems for Bio-Max:

BioMax is highly recommended for perennial tree, vine and berry crops. BioMax should be applied to the planting hole, post-planting of trees and shrubs, or at plant establishment of vines. Re-apply BioMax in early fall via aerial or ground spraying.

BioMax is highly recommended for higher value row crops, such as all vegetables, melons, potatoes, onions, sugar beets, sweet corn and alfalfa. Apply BioMax at planting, at planting (either in-furrow or in the planting hole), or pre-emergence. Re-apply BioMax in early fall via aerial or ground spraying.
Bio-Mulch™ is designed to accelerate the decomposition of crop residue and enhance nutrient cycling. Bio-Mulch™ works by encouraging the natural bio-degradation process. Bio-Mulch™ needs adequate soil moisture to work. Dry soils should be irrigated or product should be applied prior to a rain event. Bio-Mulch™ needs to be in contact with soil and crop residue to work effectively.

For annual crops - the most effective time to apply Bio-Mulch™ is at or immediately post harvest. Chopping and discing crop residue will increase the speed at which Bio-Mulch™ works but is not necessary for the product to work. Bio-Mulch™ will work effectively in no-till agriculture.

For perennial crops - Bio-Mulch can be applied at any time during the growing season where compost, cover crops, wood chips or other residue needs to be broken down.

Apply Bio-Mulch™ at 1-2qts/acre. Bio-Mulch™ can be applied by ground or aerial application or via irrigation equipment. If soil surface is dry, it is recommended to apply Bio-Mulch™ with adequate water to wet soil surface. If soil moisture level is adequate or if crop residue will be tilled or disced under, minimal water is needed during application.

Guaranteed Analysis:
Total Nitrogen (N) 7.0%
7.0% Urea Nitrogen
Cobalt (Co) 0.20%

Derived from
Low Biuret Urea, Cobalt Carbonate

Net Wt., 22.5 lbs. / 2.5 gal

Information regarding the contents and levels of metals in this product is available on the internet at http://www.aapfco.org/metals.htm.

Warranty
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2. Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE
WARNING
KEEP OUT OF REACH OF CHILDREN
Bio-Mulch™

Eliminate Your Crop Residue Problems

Turn Years Into Months

Bio-Mulch accelerates crop residue breakdown and increases nutrient availability in the soil. It provides an ideal environment for beneficial soil organisms to thrive, leading to improved soil structure and increased water-holding capacity.

How does Bio-Mulch work?

Bio-Mulch is a unique blend of nutrients and fermentation enzymes designed to increase local populations of enzymes digesting microbe populations naturally, Bio-Mulch accelerates cellular structure breakdown in stubble, stalks, cobs, roots, and other organic debris. Bio-Mulch is the answer to no-till and minimum-till problems:

• Reduced crop residue lessens the risk of nutrient ties up, which is important to the growing crop.
• Less residue improves herbicide activity.
• Reduced crop residue minimizes crop residue build-up, improving the biology of the soil, which is crucial for healthy soil populations.
• Bio-Mulch leaves just the right amount of crop residue on the soil surface for effective protection against water and wind erosion.

Bio-Mulch™

Science-Driven Nutrition™

In support of our commitment to sustainable and innovative practices, Bio-Mulch is specifically designed to reduce crop residue build-up on the surface and improve soil structure, creating a microenvironment in the soil that is particularly beneficial to beneficial soil organisms.
The Issue:
Prior to the widespread adoption of reduced tillage practices, crop residue was turned under to accelerate decomposition and availability of nutrients for next year’s crop. Now much of the residue remains on top of the soil increasing the decomposition time and in essence delaying the availability of the nutrients locked-up in the residue. The move towards higher plant populations has only compounded the residue issue and created logistical, planting and in some cases germination issues for more and more farmers. In addition, genetic insect resistance built into corn varieties has increased decomposition time. Corn root balls below the surface are also more durable. While the debris from reduced tillage does help conserve topsoil and moisture, there are limits to the benefits. Sometimes negative consequences occur.

Residue may hold in too much moisture, especially in advance of an unusually wet spring. Residue can also harbor more pathogens and over-wintering insects that are difficult to reach with pesticides and may survive to attack the spring seedlings.

University agronomist’s caution against manually removing too much stover after harvest because of long-term “adverse consequences to the soil’s level of organic matter or physical and chemical properties and to successive crop yields.”

(See “Removing Crop Residue Removes Nutrients,” University of Illinois September 2010.)

Striking the right balance is the key to managing crop residue, maximizing nutrient cycling and availability and maximizing yields year over year.

Bio-Mulch™ is the answer to residue management and plant issues.

The Solution - Bio-Mulch:
Bio-Mulch should be applied at a rate of 1-2 quarts per acre. For application convenience, Bio-Mulch can be applied with additional nitrogen. Bio-Mulch should be applied at a rate of 1-2 quarts per acre for application with appropriate nitrogen. Bio-Mulch can be applied at a rate of 1-2 quarts per acre for application with additional nitrogen.

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Symbooster® 10x

Directions for Commercial Use:
Ground apply Symbooster 10X at a rate of 1/10 gallon per acre (1 liter per hectare). Symbooster 10X can be ground applied or metered through irrigation. If ground applying, ensure that Symbooster 10X is incorporated into the soil immediately after application, either mechanically or with sufficient water to wet soil to a depth of 1 inch. Symbooster 10X can be mixed with most fertilizers, pesticides and sterilants. A compatibility check is recommended. Do not mix Symbooster 10X with pre-emergent herbicides. Symbooster 10X is intended to supplement and enhance a full ground fertility program as recommended in accordance with a reliable soil analysis. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using this product.

WARNING:
The application of fertilizing materials containing molybdenum (Mo) may result in forage crops containing levels of molybdenum (Mo) which are toxic to ruminant animals.

Guaranteed Analysis:
- Cobalt (Co) 0.12%
- Manganese (Mn) 0.40%
- Molybdenum (Mo) 0.006%
- Zinc (Zn) 0.25%
Derived from Cobalt Carbonate, Manganese Sulfate, Sodium Molybdate, Zinc Sulfate

Warranty
1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.
2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE
WARNING
KEEP OUT OF REACH OF CHILDREN

Net Wgt. 10 lbs. /1 gal
Net Wgt. 4.54kg /3.78L
Net Wgt. 25 lbs. /2.5 gal
Net Wgt. 11.34kg /9.46L
Symbooster® is a biological and micronutrient based liquid fertilizer designed to promote root growth and soil function. A healthy diverse microbial population in the root zone is important to encourage and maintain healthy root systems. This results in a healthier root zone environment that maximizes nutrient availability for development of root systems.

Getting germinating seeds off to a quick start and developing a strong root system early is key to strong emergence, leaf development and ultimately – yield! Symbooster helps your seedlings get the most out of your fertilizer dollar through maximizing root development and soil nutrient availability. Symbooster helps get the most out of your fertilizer dollar through maximizing root development and soil nutrient availability.

### Guaranteed Analysis

- **Cobalt (Co)** 0.12%
- **Manganese (Mn)** 0.40%
- **Zinc (Zn)** 0.25%

**Derived From**
- Cobalt Carbonate
- Manganese Sulfate
- Zinc Sulfate

**Availability**
- 1 and 2.5 gallon

**Directions For Use**

**Ground apply Symbooster 10X at a rate of 12-24 oz per acre.**

1. Mix 1 gallon of water with 12 oz of Symbooster 10X and spray over the treated area.
2. Symbooster 10X can also be ground applied or metered through irrigation.
3. If ground applying, ensure that Symbooster 10X is incorporated into the soil by mixing with additional water to a depth of 1 inch. Symbooster 10X can be mixed with most herbicides, pesticides and seed treatments.

**Science-Driven NutritionSM**
Tomatoes, Peppers, Cucumbers
Soil: apply 12-24 oz per acre pre-plant during soil preparation or through the drip tape. Follow up applications of 6-8 oz/acre can be repeated through the drip tape every 30 days as needed.

Lettuce, Spinach and Other Leafy Vegetables as well as Broccoli, Cauliflower and Other Brassica Varieties
Soil: apply 12-16 oz/acre pre-plant during soil preparation or through the drip tape. Follow up applications of 6-8 oz/acre can be repeated every 30 days as needed.

Corn, Beans and Peas
Soil: apply 12-16 oz/acre pre-plant during soil preparation or through the drip tape. Follow up applications of 6-8 oz/acre can be repeated every 30 days as needed.

Potatoes, Onions and Other Vegetable Root, Bulb or Tuber Crops
Soil: apply 12-24 oz/acre pre-plant during soil preparation or through the drip tape. Follow up applications of 6-8 oz/acre can be repeated every 30 days as needed.

Strawberries
Soil: apply 12-24 oz/acre pre-plant during soil preparation or through the drip tape. Follow up applications of 6-8 oz/acre can be repeated every 30 days as needed.

Artichokes, Hay and Grasses
Soil: apply 12-16 oz/acre pre-plant during soil preparation or through the drip tape. Follow up applications of 6-8 oz/acre can be repeated every 30 days as needed.

Wheat
Soil: apply 12-16 oz/acre pre-plant during soil preparation or through the drip tape. Follow up applications of 6-8 oz/acre can be repeated every 30 days as needed.

Alfalfa, Hay and Grasses
Soil: apply 12-16 oz/acre pre-plant during soil preparation or through the drip tape. Follow up applications of 6-8 oz/acre can be repeated every 30 days as needed.

Tomatoes, Peppers, Cucumbers
Suggested Uses
Symspray® 20x

Science-Driven Nutrition℠

Directions for Commercial Use:
Symspray 20X is a post-emergent foliar spray. Apply 6.5 oz to 3 pints per acre with sufficient water for thorough coverage. Symspray 20X can also be diluted with other liquid fertilizers. A compatibility check is strongly recommended before tank mixing. For best results, spray in early morning or late afternoon. Do not apply during the “sunlight” hours when air temperature is above 85°F. Foliar fertilization is intended to supplement standard ground fertility programs and will not by itself provide all nutrients normally required by agricultural crops. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using this product.

Guaranteed Analysis:
- Cobalt (Co) 0.17%
- Manganese (Mn) 1.50%
- Zinc (Zn) 0.70%

Derived from:
- Cobalt Carbonate, Manganese Sulfate, Zinc Sulfate, Ascophyllum Nodosum

Net Wgt. 10 lbs. /1 gal
Net Wgt. 25 lbs. /2.5 gal
Net Wgt. 4.5 kg / 3.78L
Net Wgt. 11.3 kg / 9.46L

Warranty
1.-The manufacturer guarantees and warrants that the content and the total net weight are as stated within lawful limits.
2.-Liability of Agro-K Corporation under this warranty or otherwise shall be limited to refund of the purchase price and such refund is expressly agreed by the buyer to be the exclusive remedy.

Agro-K Corporation makes no other expressed or implied guarantee, warranty or representation, including warranties of merchantability and fitness for a purpose. Agro-K Corporation shall not be liable for direct consequential or incidental damages. No modifications of this warranty and the disclaimers herein are authorized or valid unless expressed in writing and signed by Agro-K Corporation.

SHAKE WELL BEFORE USE
WARNING
KEEP OUT OF REACH OF CHILDREN
Symspray® is a stabilized seaweed and micronutrient foliar spray solution. Symspray contains a variety of natural plant growth promoting compounds, which aid plant growth, nutrient translocation and root development. Symspray, when used at appropriate timings can impact various plant growth stages, such as:

- More uniform bud-break
- Improved flowering
- Increased fruit set
- Increased fruit retention
- Increased fruit size
- Enhanced fruit maturation
- Improved yield
- Improved fruit quality
- Improved root development
- Improved tolerance to environmental stress

Symspray has distinct differences from other seaweed or kelp based products. First, Symspray® is a “stabilized” seaweed extract. The natural compounds found in seaweeds breakdown relatively quickly. Agro-K has a unique stabilizing process, which guarantees consistent performance.

Second, Symspray® uses Ascophyllum Nodosum seaweed as its base seaweed source but also uses other seaweed species to achieve higher natural compound levels and better product performance. These other seaweed sources include Sargassum, Enteromorpha, and Fucus species.

Symspray has a more uniform mixing process. The natural compounds found in seaweeds breakdown quickly when not mixed properly. Symspray is a “stabilized” seaweed extract.

Symspray® is fortified with additional zinc, manganese and cobalt.

**Guaranteed Analysis**

- Cobalt (Co) 0.17%
- Manganese (Mn) 1.50%
- Zinc (Zn) 0.70%

Derived From

- Cobalt Carbonate
- Manganese Sulfate
- Zinc Sulfate
- Ascophyllum Nodosum

**Availability**

- 1 gallon
- 2.5 gallon

**Directions For Use**

Symspray 20X is a post-emergent foliar spray. Apply 6.5 oz. to 1 quart per acre with sufficient water for thorough coverage. Apply every 6-8 weeks. If you have any questions regarding mixing or application rates contact your Agro-K dealer before using.
Tomatoes, Peppers, Cucumbers

Apply 6 to 10 oz. per acre per application. Apply the first application 7 days after transplanting, thinning or at second true leaf stage. Apply a second application at bloom. Subsequent applications at 4-6 oz/ac can be made throughout the season for fresh pick varieties to maximize fruit set, size and maturation through the final harvest.

Lettuce, Spinach and Other Leafy Vegetables as well as Broccoli, Cauliflower and Other Brassica Varieties

Apply 6-10 oz per acre. Apply the first application 7-10 days after transplanting. Do not apply immediately prior to extreme heat.

Potatoes, Onions and Other Vegetable Root, Bulb or Tuber Crops

Apply 6-10 oz per acre. Apply at tuber or bulb initiation if large bulbs or tubers are desired. Apply second application around golf ball size tuber or bulb.

Almonds, Walnuts and Other Nut Crops

Apply 24-36 oz per acre prior to bud break to encourage uniform bud break. Apply 6-10 oz with first fungicide application or pre-bloom. Apply 6-10 oz at petal fall.

Grapes

Apply 6-10 oz at bloom and post bloom. Apply subsequent applications at petal fall. Apply 12-16 oz at bloom or petal fall.

Citrus and Avocados

Apply 6-12 oz per acre. Apply first application at full bloom. Apply subsequent applications at 10-14 day intervals. Apply 6-10 oz at petal fall.

Apple, Pears and Other Pome Fruits

Apply 8-12 oz per acre. Apply first application at pink. Apply subsequent applications at bloom and at petal fall or early cell division.

Citrus, Melons and Other Fruits

Apply 6-12 oz per acre. Apply at bloom and petal fall. Apply subsequent applications at 10-14 day intervals. Apply 6-10 oz at petal fall.

Strawberries

Apply 6 to 10 oz per acre. Apply immediately prior to extreme heat.

Wheat, Barley and Other Grain Crops

Apply 6-10 oz per acre at first flag leaf or pre-tillering, to encourage better seed set.

Alfalfa and Hay Crops

Apply 1-2 pts/ac shortly after each cutting to encourage faster re-growth, higher nutrient value and increased tonnage. Avoid applications immediately prior to bloom.

Alfalfa Seed

Apply 10-16 oz immediately prior to bloom to encourage increased flowering, bloom uniformity and increased pollination. Apply a second application around peak bloom. Apply 6-10 oz with pre-bloom.

Plums, Peaches, Cherries and Other Stone Fruits

Apply 12-16 oz per acre. Apply first application at first bloom. Apply subsequent applications at mid-bloom and at petal fall or early cell division.

Apples, Pears and Other Pome Fruits

Apply 12-16 oz per acre. Apply first application at pink. Apply subsequent applications at bloom and at petal fall or early cell division.

Citrus and Avocados

Apply 8-12 oz/ac at bloom. Apply subsequent application at petal fall or early cell division.

Grapes

Apply 36 oz per acre pre-bloom to encourage uniform bud break. Apply 8 oz pre-bloom. Apply 36 oz at 1-2 inch flower clusters.

Raspberries, Blackberries and Other Caneberries

Apply 8-12 oz per acre. Apply first application pre-bloom. Apply subsequent applications at mid-bloom and post-bloom.

Lettuce, Spinach and Other Leafy Vegetables

Apply 6-10 oz per acre. Apply first application 7-10 days after transplanting. Do not apply immediately prior to extreme heat.

Corn, Beans and Peas

Apply 8-10 oz per acre. Apply the fourth to fifth leaf.
Instructions For Use:
Apply Super Symcoat as a seed coating prior to planting to assist seed germination and hasten crop establishment. Super Symcoat may be used on a wide variety of agricultural field crops including small grains, soybeans, dry edible beans, peas and lentils, canola, grain and forage sorghums, forage millets, and corn.

APPLICATION INSTRUCTIONS:

Use with fungicides and insecticides: Super Symcoat can be tank-mixed with most seed protection products provided such products are miscible in water and labeled for slurry application directly on seed. Read all product labels carefully and check compatibility by mixing a small amount of each product together to confirm suitability of slurry application prior to application.

Use with biological products: Super Symcoat CAN BE sequentially or simultaneously applied with most biological products when mixed in separate mix tanks. Direct tank-mixing Super Symcoat in the same tank with biological products such as legume inoculants, beneficial fungus, and other live microorganisms is NOT RECOMMENDED as nutrients contained in Super Symcoat can reduce the viability of the micro-organisms with directly mixed slurries.

Read biological product labels carefully and consult with biological product manufacturers for specific use instruction of those products.

Warning:
DO NOT USE TREATED SEED FOR FOOD, FEED OR OIL PURPOSES. This product contains molybdenum and should be used only in accordance with directions. Improper use may result in injury to crops. Avoid freezing.

Net Wgt. 1 gal. / 11.30 lbs.
Net Wgt. 2.5 gal. / 28.25 lbs.
Net Wgt. 250 gal. / 2825 lbs.

Information regarding the contents and levels of metals in this product is available on the internet at http://www.aapfco.org/metals.htm.
Super Symcoat is a seed coating for wheat, barley, lupins, canola, peas and other row crops. Super Symcoat promotes strong seed germination and supplies an initial source of important micronutrients needed for proper plant development. Super Symcoat contains:

- Natural germination enhancers
- Uniquely formulated, Dextro-Lac®, bio-available micronutrients.

Super Symcoat is specifically designed:

- For Australian grain growing regions where soils and generally micronutrient deficient
- To correct micronutrient deficiencies at germination to improve seedling vigour
- To promote rapid germination, strong root development and balanced plant growth
- To increase yield and quality

The Dextro-Lac® process is responsible for the unique bio-available properties of Super Symcoat. Over 90% of nutrients applied in this sugar-based form can actually be utilized by the plant. The bio-available properties of Super Symcoat are similar to those found in an uncoated seed.

**Dextro-Lac® & Bio-Availability**

Agro-K’s proprietary “Dextro-Lac®” process couples zinc, manganese and copper to complex carbohydrate molecules (sugar-based compounds), which can more easily be absorbed by the treated seed. The Dextro-Lac manufacturing process involves a series of processes including a modified bio-fermentation. During the reaction processes the elemental nutrient (Zn, Mn & Cu) is linked to a polysaccharide molecule creating a sugar-based nutrient. The term Dextro-Lac is used to convey this process and resulting product. The Dextro-Lac® process is responsible for the unique bio-available properties of Super Symcoat. Over 90% of nutrients applied in this sugar-based form can actually be utilized by the plant. Micronutrients in a variety of other forms such as oxides generally have less plant bio-availability and are therefore less effective than Super Symcoat. Product performance depends on high levels of available micronutrients not on high guaranteed micronutrient levels on the label.

**Nutrient Seed Coating**

**Dextro-Lac Process**

- **Reaction Agent**
- **Initial Reaction**
- **Carbon Sources for Sugar Base**
- **Modified Fermentation Process**
- **Proprietary Biological Constituents & Converters**
- **Dextro-Lac Micronutrient**
- **Raw Metal Source**

**Science-Driven NutritionSM**

**Fertilizer Tech Sheet**

Super Symcoat