BIGGER YIELDS FROM THE GROUND UP

Healthier Soils | Stronger Plants | Higher Yields

FoliarBlend®

by AgriGro

FoliarBlend® by AgriGro

YOU'RE ALREADY STANDING ON THE KEY TO BIGGER YIELDS AND BETTER PROFITS

In order for growers to maximize their yield and profit potential, they must look beyond the standard options to their soil and plant's biological systems.

Today's farming environment has become a survival of the fittest with growers pushing the limits to get the most from every acre of production. In the last decade, significant technological advances have been made that push limits further than ever before. When you consider the numerous advancements in farm equipment, plant genetics and chemicals ranging from herbicides to fungicides to insecticides, the choices and technologies available to today's farmer are staggering.

In order for growers to maximize their yield and profit potential, they must look beyond the standard options like the newest trend in equipment, the latest seed genetics or the hottest chemical that promises to solve their problems. Even bumping conventional (N-P-K) fertilizer rates, expecting yields to jump accordingly, is simply not the answer to better profits and higher yields. To truly maximize yield and increase profit margin, one must look beyond the obvious physical and chemical fixes, and consider the critical role the soil's biological life plays in crop production. In fact, many yield problems are caused by the neglect of this essential component in crop production which, unfortunately, is all too often overlooked by most growers.

What if you could simply tank mix a product to your normal spray program that has a targeted effect on the soil and plants' biological system — one that improves soil structure, promotes healthy soil for better growing conditions, increases fertilizer efficiency, supports vibrant and robust plant growth, and boosts yields? FoliarBlend® is designed to do just that and more. FoliarBlend does what chemicals, conventional fertilizer and physical tillage alone can't, and it fills a growing void that is missing in today's agriculture. Don't let the name mislead you. FoliarBlend is just as effective in the soil as it is on the plant. Smart growers looking for an edge are quickly discovering just how rewarding FoliarBlend can be, both in the field and in the bank.

THE THREE SOIL PROPERTIES

The Biological Edge

All too often, the biological component of plant growth is an overlooked key to increasing yield and profits. When equally addressed along with the physical and chemical aspects of crop production, the results can be significant in terms of yield and profit.

FACING THE CHALLENGE

Extreme temperatures, adverse weather conditions, disease, insect pressure, inadequate and imbalanced plant nutrition -- all of these conditions can rob your crops of the yield and profits you deserve. When applied as part of a good management program, **FoliarBlend** works to keep your plants and the immediate soil environment "spiked up" with the nutritional supplements required to maximize yield and support plant health.

FoliarBlend simply helps your crop reach its genetic yield potential by boosting plant growth, increasing nutrient uptake, supporting plant health and quality, and building a healthy growing environment. Research has proven that crops treated with **FoliarBlend** are healthier, have improved nutrient uptake and availability, plant growth and higher yields.

FoliarBlend represents a new generation of technology, containing complex carbohydrates, essential plant micronutrients, a proprietary blend of beneficial enzymes, amino acids and a host of nutritional supplements not found in ordinary N-P-K fertilizers. **FoliarBlend** has a profound effect on both the plant and the soil environment.

Performance In The Field

Field tests show that **FoliarBlend**, when added to full or reduced rates of conventional fertilizer, has consistently outperformed full rates of N-P-K alone. Research and grower testimonials also indicate that **FoliarBlend** is superior to other competitive technologies, especially when comparing its ease of application, impact on yield, effect on growing conditions in the soil, the cost savings received from reduced conventional fertilizer and chemical inputs, and the return on investment from using the product.

"If you do a test plot with FoliarBlend, it will prove itself and put more money in your pocket. It pays for itself in a hurry if you use it right."

Les Thomas
Missouri rice and soybean producer

COST SAVINGS YOU CAN SEE

FoliarBlend is cost effective for virtually any grower regardless of size. Growers routinely report a profit from **FoliarBlend** from the savings they realize in conventional fertilizer and chemical inputs alone. When you add **FoliarBlend**'s impact on yield, the financial return can be significant. In fact, we feel a grower should receive a "minimum" of $3 returned for every $1 spent on **FoliarBlend** or else we are simply not doing our job. Most growers discover their return to be far greater, especially in high value specialty crops like fruits and vegetables.

Unlock your crops' potential and bank on bigger yields.

FoliarBlend® by AgriGro

Healthier Soils | Stronger Plants | Higher Yields | Better Profits

BENEFITS AT A GLANCE

- Better yields, higher test weight and greater crop quality as a result of improved plant nutrition.
- Triggers an explosion of beneficial soil bacteria which speeds up the breakdown of crop residue, builds humus and improves soil structure, drainage and tilth.
- Increases healthy indigenous microbial activity in the soil or growing medium with increases of 3400% demonstrated within three days of application.
- Improves nutrient release and solubility by up to 60% compared to non-treated soils by speeding up the breakdown and improving the availability of both naturally occurring and applied nutrients. Depending on soil test levels, growers may be able to reduce P & K inputs up to 50%.
- Supports overall plant development.
- Supports plant health, minimizing the effects of weather-related stress.
- Offsets the negative effect of glyphosate by minimizing “yellow-flash”.
- Lowers sodium levels in the soil.
- Derived from many different types of beneficial bacteria—including aerobic and anaerobic microorganisms—the product is effective in both well drained and tight soils.
- A source of essential micronutrients, proteins, enzymes, amino acids and complex carbohydrates not available in ordinary N-P-K fertilizers.
- Can be easily applied in conjunction with other liquid applications, pesticides, herbicides, fungicides and conventional fertilizers through ground, air or fertigation systems.
- When stored properly, FoliarBlend has a shelf life of four years without losing effectiveness.

FoliarBlend Works The Way Nature Intended

FoliarBlend delivers a wide range of benefits for growers who want to create a healthier, more efficient growing environment and maximize their return on investment. University research, as well as independent field trials by growers around the world, show that regular use of **FoliarBlend** contributes to better fertilizer utilization, improved plant growth and vigor, better soil conditions, higher yields and better crop quality.

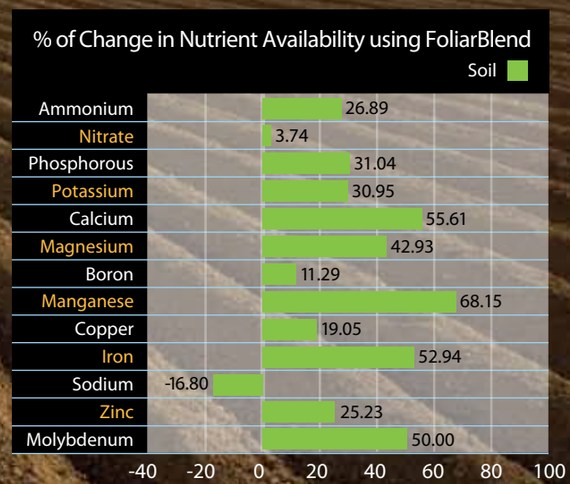
SOIL APPLICATION

IT'S ABOUT GETTING WHAT YOU'VE ALREADY PAID FOR

If your soil is like most, you probably have an abundance of insoluble nutrients that are not available to your crops. Many of these nutrients are fertilizers you've invested in but are receiving no benefit from. FoliarBlend can access these nutrients and put them to work for your crop this growing season.

When soil applied or placed in furrow at planting, the active ingredients in FoliarBlend trigger natural biological processes that create an explosion of beneficial microbial growth of 3,000% or more within the first 72 hours of application. This increased enzymatic and microbial activity works to release insoluble nutrients in the soil and convert them to a soluble form plants can utilize. By improving the uptake and availability of applied fertilizers and those nutrients presently in the soil, FoliarBlend helps "Get What You're Paying For" out of the soil and into the plant. This tremendous increase in the availability of nutrients has a direct effect on the growth and development of your crops, resulting in healthier, higher quality plants with better yields. By improving nutrient uptake, the yield and quality of forage and feed crops are also improved considerably. Increases in tonnage of 10 to 20% and relative feed values of 20 to 50 points are quite common with FoliarBlend on these type of crops.

University testing has proven that when applied broadcast to the soil or placed in-furrow at planting, the active ingredients in FoliarBlend create significantly higher concentrations of available nitrogen, calcium, copper, potassium, magnesium, manganese, phosphorus, boron, molybdenum, iron and zinc compared to untreated soils. FoliarBlend makes more of these nutrients available for deposit in the vegetative tissue as well, having a positive result on yield, test weight and quality.



In a detailed University study, the ingredients in **FoliarBlend** significantly increased the uptake and availability of 12 macro and micronutrients while lowering the levels of sodium in the soil and plant tissue. **Conclusion: FoliarBlend** not only improves yield and plant growth, but has the potential to reduce environmental pollution by more efficient utilization of fertilizer nutrients and thus the potential reduction of applied conventional fertilizers.

Research conducted by Lincoln University, Jefferson City, MO/David Sasseville Ph. D.

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Increased Microbial Activity, Improved Nutrient Cycling and Better Residue Management

In nature, when plants and animals expire, over time they decay with exposure to water, sun, air and the family of naturally occurring microorganisms called decomposers. However, in most commercially farmed soils, biological activity in the soil has become very low. This leaves partially decomposed organic matter and crop residue to accumulate, minimizing the soil's effectiveness to transfer nutrients and creating less than ideal growing conditions generally. The result is a greater dependence on applied fertilizers and chemical fungicides to sustain favorable growing conditions.

FoliarBlend re-invigorates this natural biological process by increasing the populations of indigenous decomposing microorganisms in the soil. In fact, research by EMSL Labs, New York, NY, verified FoliarBlend was able to stimulate microbial activity by 3400% within 24 hours of application. This improves the natural bio-degradation process which allows the earth to recycle itself, resulting in more organic matter and the production of humus, a valuable source of plant nutrition. By stimulating microbial activity, crops benefit from an increase in available nutrients as well as the production of plant beneficial proteins and enzymes, and physical improvements to the soil strata these microbes generate. The plant/soil system becomes healthier and more efficient in its uptake of nutrients, requiring less water and less conventional N-P-K fertilizer to produce higher crop yields.

QUALITY OVER QUANTITY

While high microbial populations in a growing environment are important, a better indication of a soil's health and production capabilities are the types of microbes involved. This brings to light another advantage of FoliarBlend, the ability to elevate the number of beneficial species.

SOIL BENEFITS AT A GLANCE

Soils with low levels of microbial activity will not be as productive as those with elevated levels of beneficial micro-organisms, regardless of the amount of conventional fertilizer applied.

- Improves soil structure; tilth, porosity and friability.
- Improves plant growth and development.
- Improves the availability of resident soil minerals and fertilizer materials.
- Aids in the detoxification of pollutants (chemical residues, salts).
- Promotes overall plant and soil health.
- Minimizes the impact of pH extremes.
- Improves water management within soil.
- Improves crop quality and yields.

FOLIAR FEEDING

AN IMPORTANT LINK TO HEALTHIER PLANTS & HIGHER YIELDS

What can you do to maintain top Yield Potential? The best defense against yield loss is a healthy plant. Maintaining a high nutrient content helps to ensure plant health. Compatible with most conventional liquid fertilizers and chemicals, **FoliarBlend** is an easy way to improve plant growth, yield and quality. Applications timed before or during key growth stages in crop development or nutrient demand can help plants overcome "hidden hunger," where nutrient availability falls short of crop demand for top yields.

Plants seldom have all the nutrition or energy they need to maintain all the blooms or kernels they have initiated. Too often, many of the blooms fall off or kernels slough off in the early stages of development and yields suffer. **FoliarBlend can help prevent against bloom and kernal loss resulting from inadequate nutrition and support your crops through critical stages of growth for increased yields.**

FoliarBlend can be compared to a multi-vitamin, ensuring the plant is as prepared as possible to respond when stress strikes.

It's Like a Multi-Vitamin For Plants

It bears repeating, the best defense against yield loss is a healthy plant.

Regular applications of FoliarBlend support overall plant health. This also improves the plant's ability to better withstand environmental stress.

FOLIAR BENEFITS AT A GLANCE

- **Boosts yields and supports plant health.**
- **Tank mixes with most all conventional liquid fertilizers and chemicals for easy application.**
- **Supports optimal photosynthetic activity.**
  - **Improves plant growth**
  - **Supplies essential plant nutrition for healthier plants.**
  - **Improves overall yields and crop quality.**

ENVIRONMENTAL EFFECT

FoliarBlend's Impact on Water

FoliarBlend is designed to safely promote plant growth, improve soil conditions and enhance water conservation.

Real world experience has shown that the addition of FoliarBlend as part of a comprehensive fertilization program may help reduce water consumption in some cases by as much as 30%! While the exact level of water reduction will be affected by many variables, you can count on FoliarBlend's ability to improve water efficiency in the following ways:

- Supports efficient water uptake and absorption
- Supports optimal water regulation and retention within the plant
- Improved porosity, friability and drainage in the soil

Real world experience has shown that the addition of FoliarBlend may help reduce water consumption by as much as 30%!

Supports efficient water uptake and absorption.

FoliarBlend increases the availability of phosphorus and other essential plant nutrients in the soil. Phosphorus is important in root growth and development. When root growth is optimized, there is a larger root surface with which to take up water and other nutrients, making the plant more efficient. Providing plants with enough phosphorus to meet their demand allows plants to grow to their fullest capacity, including the most extensive root system they are capable of -- a more robust root system occupies a larger volume of soil, which in turn, increases the volume of water available to the plants.

Supports optimal water regulation and retention within the plant.

FoliarBlend influences other essential plant nutrients making them more available to plants. For example, FoliarBlend increases potassium levels in the plant. Potassium regulates water uptake by controlling transpiration through the leaves. Potassium also helps to move nutrients into and within the plant. Other plant nutrients, such as calcium, influence the thickness of cell walls and also the thickness of the cutin layer on leaves, stems and fruits. The cutin layer is the waxy surface on plants that reduces water loss.

IMPROVED POROSITY, FRIABILITY AND DRAINAGE IN THE SOIL.

FoliarBlend increases the porosity of many soils and makes the soil looser. Roots have difficulty penetrating heavy clay soils. FoliarBlend increases the friability (looseness) of soils enabling roots to be longer, deeper, and more branched. This increased root growth increases the surface area of the roots, the volume of soil and amount of water available to the plant. Another aspect of increasing friability is that with increased air space, the water holding capacity of the soil also increases. Thus, there is more water available to the roots in a given volume of soil. As the soil becomes more porous, water more easily drains from the soil. While this would appear to have a negative effect on water conservation for lawns and gardens, it does not. Plant roots require oxygen to grow and thrive. They require oxygen to take up plant nutrients and water. If the soil around the roots is too wet (a condition called "wet feet"), the plants do not have enough energy (from respiration) to take up water and essential nutrients. That is why over-watering can cause a plant to wilt. Poorly drained clay soils tend to become wet and stay wet, making it difficult for plants to take up water. What is needed is a balance between water and air in soil pores. **FoliarBlend, by increasing friability, porosity, and good drainage, helps increase the water efficiency of plants and contributes to water conservation.**

If You Use Glyphosate, You Need FoliarBlend

Research has shown that Glyphosate, the active ingredient in Roundup®, can suppress the formation of nitrogen nodules on soybean roots and temporarily weaken the plant's immune response and defense mechanisms. This negative effect is further magnified when conditions place the plant under stress from environmental conditions or attack from pests or disease.

Hundreds of university and independent studies have shown there is a yield drag of 5 to 10% with Roundup Ready® (RR) varieties compared to comparable conventional varieties grown under similar and favorable conditions. Ongoing research on yield drag in RR soybeans points to the following possible explanations detailed on the next pages.

FoliarBlend Offsets the Yield Dragging Effects of Glyphosate.

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First, Glyphosate is a strong chelating agent which binds divalent micronutrients in the plant, especially manganese and iron. Flashing or yellowing of young leaves of RR crops is often the result of glyphosate binding these divalent micronutrients.

Dark Areas Not Treated with Glyphosate

Photo from Dr. Don Huber

While FoliarBlend contains a variety of micronutrients, it may not be sufficient to overcome a severe nutrient deficiency in the soil or plant. Only soil testing and tissue analysis can determine the adequacy of available nutrients for optimum plant nutrition.

Second, Glyphosate, the active ingredient in Roundup®, can suppress the formation of nitrogen nodules on soybean roots. This reduction decreases the amount of nitrogen available to the soybean plant and can reduce yields. This effect from applied glyphosate is greater when the crop is under stress from conditions such as drought. The effect of glyphosate is likely on the suppression of rhizobium, the symbiotic bacteria required for nodulation, but it may also be from a broader effect on the normal physiology of the soybean plant.

Third, Glyphosate application temporarily weakens the RR soybean plant's immune response and defense mechanisms, especially when conditions place the plant under stress from environmental conditions or attack from pests or disease. With the plant's ability to defend itself at a weakened level, the plant is more susceptible to disease and insect pressure resulting in yield loss.

So, What Can FoliarBlend Do to Help?

FoliarBlend contains numerous chelated micronutrients, including manganese and iron, which can reduce the nutrient tie up effect caused by glyphosate on RR crops. Since the micronutrients in **FoliarBlend** are chelated, it can be tank mixed with glyphosate to minimize "yellow flash" symptoms without reducing the efficacy of the herbicide. For added insurance against "yellow flash" symptoms and resulting yield drag, it is advisable to add AgriGuardian™ Micro Mix to all glyphosate applications. Field trials have shown the combination of **FoliarBlend** and Micro-Mix can further enhance yield, support plant health and improve crop quality.

Glyphosate kills by shutting down the natural defense system within the targeted weed species. This is done by chelating- and making unusable — key micronutrients required by certain biochemical pathways within the plant.

AN OUNCE OF PREVENTION...

The ingredients in FoliarBlend counteract the impact of glyphosate by providing the essential nutrients affected by glyphosate. These nutrients support plant health, making plants better prepared to withstand weather related stress and other factors that can rob your crop of valuable yield.

THE RESULTS SPEAK FOR THEMSELVES!

Soybeans

Two-year average from replicated USDA and University of Missouri research yielded an **additional 9.8 bushel/acre** in Roundup Ready and conventional soybeans.

Foliarblend treated plots showed increased levels of Mn reducing bacteria by an average of 76%.

Mn reducing bacteria transform manganese to plant available forms.

Two-year average, USDA & University of Missouri replicated study

Roundup Ready™ Research
USDA & University of Missouri
Replicated Research, 16 oz./acre of FoliarBlend applied at V3 and R4 growth stage. (p< 0.05)

Control Plot:
46.3 bushels/acre

FoliarBlend:
60.4 bushels/acre

Results Using FoliarBlend On Soybeans
14.1 Bushels Per Acre Increase!

In a five-year independent study, the **FoliarBlend** plot with a 33% reduction in P & K rates, increased soybean yields by an average of 8 bushels/per acre compared to the check plot which received full rates of P & K. This represents an average of $51.03/acre more net profit each year.

5 Year Missouri research

Conventional Research
USDA & University of Missouri
Replicated Research, 16 oz./acre of FoliarBlend applied at V3 and R4 growth stage. (p< 0.05)

Control Plot:
33.2 bushels/acre

FoliarBlend:
47.6 bushels/acre

Results Using FoliarBlend On Soybeans
14.4 Bushels Per Acre Increase!

THE RESULTS SPEAK FOR THEMSELVES!

Corn

Two-year average from replicated USDA and University of Missouri research yielded an **additional 17 bushel/acre** in Roundup Ready corn.

FoliarBlend treated plots showed increased levels of Mn-reducing bacteria by an average 263% in corn.

Mn reducing bacteria transform manganese to plant available forms.

Two-year average, USDA & University of Missouri replicated study

Increased corn yields by 14 bushels/acre at University of Missouri's Management System Evaluation Area (MSEA) University of Missouri.

Roundup Ready™ Research
USDA & University of Missouri
2008 Replicated Research, 16 oz./acre of Foliar Blend applied at V4 and V8 growth stage. (l.s.d. 0.05)

Control Plot:
199.4 bushels/acre

FoliarBlend:
224.1 bushels/acre

Results Using FoliarBlend On Corn
24.7 Bushels Per Acre Increase!

Rice

37% increase in dry biomass

33% yield increase

Rice Research Conducted by The College of Technical Engineering and Agriculture Cuu long Delta Rice Research Institute — Vietnam

Cotton

FoliarBlend produced 90 pounds additional lint/acre over check plots (six-plot average) and 213 lbs. of additional seed cotton/acre.

University of Tennessee Extension

Based on four replications, **FoliarBlend** increased lint yield by 120 lbs./acre and seed cotton by 267 lbs./acre.

Shoffner Research Farm, Newport, AR

FoliarBlend plot produced 119 pounds additional lint/acre over check plot.

Test replicated 4 times, University of Missouri

A single in furrow application of **FoliarBlend** produced 77 pounds additional lint/acre over check plot.

Test replicated 4 times, University of Arkansas

Wheat

18 bushels/acre increase over control and increase test weight from one spring foliar application.

Irrigation Research Foundation; Yuma, Colorado

Research
Irrigation Research Foundation
2009 Research, 2 pints of FoliarBlend applied in 1 foliar application.

Control Plot:
57.5 bushels/acre

FoliarBlend:
75.71 bushels/acre

Results Using FoliarBlend On Wheat
18 Bushels Per Acre Increase!

Healthier Soils | Stronger Plants | Higher Yields | Better Profits

More FoliarBlend Crop Results...

Snap Peas

In 'Roma II' and 'Hialeah' varieties, **FoliarBlend** increased yields by 17.4 bushels/acre over the check plot. This represents an increase of $144.25/acre in net profit.

Test replicated 6 times.
University of Tennessee

Carrots

FoliarBlend increased yields by 113% in weight and 16% in numbers in 'Fullback' carrots over the check plot.

Test replicated 4 times.
SEMO State University

Onions

In a study comparing 16 different growth additives, **FoliarBlend** came out on top in all areas, producing the highest yield, grade and a profit of $633/acre more than check plot.

Test replicated 6 times.
Oregon State University

FoliarBlend increased yields by 93% over the check plot.

Test replicated 4 times.
SEMO State University

Tomatoes

FoliarBlend increased yields by 122% in weight and 104% in numbers in 'Husky' tomatoes.

Test replicated 4 times.
SEMO State University

Potatoes

FoliarBlend increased premium potato yields by 36.8% and grade A potato yields by 26% compared to the check plot. This represented an increase of $815/acre more profit.

University of Florida/
Wetumpka Fruit Co.

Watermelon

In 'Jubilee' and 'Crimson Sweet' varieties, **FoliarBlend** produced 243 more melons/acre weighing an additional 5,940 pounds over the check plot.

Test replicated 6 times.
University of Tennessee

FoliarBlend vs. other nutritional supplements

There are several nutritional supplement products on the market today that range from simple formulations containing products like beer, soap, apple cider and humic acid, to more sophisticated solutions that contain enzymes, amino acids and live species of beneficial bacteria. Some are effective, some are not; however, none are able to match the benefits of **FoliarBlend** when you compare cost, performance and ease of application. Unlike these other products, **FoliarBlend** utilizes a proprietary stabilization process that allows it to be tank mixed with core inputs. Being able to tank mix and apply **FoliarBlend** in conjunction with conventional liquid fertilizers, herbicides, fungicides and pesticides represents a significant savings in application costs alone.

When stored properly, **FoliarBlend** also has a guaranteed shelf life of four years which further separates it from other products on the market today. Many other products break down and lose their effectiveness in a short period of time. For some, deterioration and loss of efficacy can begin in less than 30 days. Should unforeseen circumstances prevent you from applying **FoliarBlend** this year, you can be assured that when stored properly, you will get 100% effectiveness next year!

FoliarBlend® by AgriGro

How to Use FoliarBlend

Apply to the soil, seed, and plant foliage. Total applications of 32 – 48 oz./acre are typical for field crops with 16 oz./acre applied broadcast or in furrow at planting, followed by one to two foliar applications at 16 oz./acre each. If only one foliar application is made, rates up to 32 oz./acre may be used.

FoliarBlend can be applied through standard ground or aerial application equipment and properly equipped irrigation systems. It is available in 2.5-gallon containers, 55-gallon drums, 275-gallon mini-totes or bulk tanker load quantities.

FoliarBlend® by AgriGro

Field Crop Usage

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use: FoliarBlend may be applied by ground or air. If applied by air it is recommended to use a minimum of 5–10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gallons of water per acre.

Compatibility: FoliarBlend is a stable product with excellent tank mixing characteristics. It can be applied in conjunction with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that **FoliarBlend** can stimulate higher yields through increased nutrient uptake. It is not a replacement for conventional fertilizer. Soil sample regularly and use **FoliarBlend** in conjunction with good fertility practices.

Wheat & Other Small Grains

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 8 oz per bushel, then let dry or make an in furrow application at planting of 16 oz per acre. If an in furrow or seed treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16–24 ozs. per acre prior to jointing.
- Apply 16–24 ozs. per acre at the flag leaf stage. If Step 1 is missed, apply 32 ozs. per acre at the flag leaf stage.

Cotton

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16 ozs. per acre at the 3–7 leaf stage.
- Apply 16 ozs. per acre at the pinhead square stage.
- Apply 16 ozs. per acre at early bloom.

Soybeans

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16–32 ozs. per acre at the 3–5 trifoliate leaf stage.
- Apply a second application of 16–32 ozs. per acre at prebloom to pod set. If Step 1 is missed, apply 32 ozs. per acre prior to bloom.

Corn & Grain Sorghum

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 6-8 oz per 50lb bag, then let dry or make an in furrow application at planting of 16 oz per acre. If an in furrow or seed treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16–24 ozs. per acre at the 3–5 leaf stage.
- Apply 16–24 ozs. per acre anytime from pre tassel to just after pollination has completed.

Rice

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 8 oz per bushel, then let dry or make an in furrow application at planting of 16 oz per acre. If an in furrow or seed treatment is not possible, soil apply 16 – 32 ounces pr acre with preplant or preemerge chemicals.
- Apply 16–32 ozs. per acre when the rice seedling has 3 fully emerged leaves but before the seedling has completed development of 7 leaves or 3 tillers.
- To boost yields, apply at the rate of 16–32 ozs. per acre immediately after internode elongation or joint movement has begun.

Field Crop Usage Continued On Next Page

More Field Crop Usage
On Previous Page

Tobacco

- Apply 16 ozs. of FoliarBlend per 100 gallons of setting water.
- Apply 16 – 32 ounces per acre with preplant herbicide.
- Apply 16 ounces per acre with each foliar spray made with conventional liquid fertilizer or insecticide.

Sunflowers & Oilseeds

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16 ozs. per acre at 4–8 inches in growth.
- Apply 16 ozs. per acre at flowering stage.

Peanuts

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16 ozs. per acre at the 3–5 leaflet stage.
- Apply 16 ozs. per acre at initial pegging.
- Apply 16 ozs. per acre 10–14 days after the second foliar application.
- Apply 16 ozs. per acre during pod fill.

Alfalfa, Hay & Forage Crops

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 8 oz per 50 lb bag, then let dry or make an in furrow application at planting of 16 oz per acre. If an in furrow or seed treatment is not possible, soil apply 16 – 32 ounces per acre broadcast with preplant or preemerge chemicals.
- Apply 16–32 ozs. per acre in the spring as soon as growth begins and continue applying 16 ozs. per acre 7-10 days after each cutting or heavy pasturing.

Vegetable Usage

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use: **FoliarBlend** may be applied by ground or air. If applied by air it is recommended to use 5–10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gals. of water per acre. **FoliarBlend** may also be applied through properly equipped irrigation and fertigation systems.

Compatibility: **FoliarBlend** is compatible with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that **FoliarBlend** can stimulate higher yields through increased nutrient uptake. It is not a replacement for conventional fertilizer. Soil sample regularly and use **FoliarBlend** in conjunction with good fertility practices.

Edible Beans — Green, Lima, Dry, Snap, Pintos, Black Turtles, Marrowfats, Great Northern, Navy, Yellow Eyes, Kidney, Garbanzo & Seed

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16–32 ozs. per acre when the first trifoliate is unfolded.
- Apply 16–32 ozs. per acre 2 weeks after Step 1.
- Apply 16–32 ozs. per acre at first bloom.

Carrots, Onions, Leeks, Radish Sugarbeets, Parsnip, Rutabaga & Turnips

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16-32 ozs. per acre at 3-4 inches in growth.
- Apply 16-32 ozs. per acre 2–3 weeks after Step 1.
- Apply 16-32 ozs. per acre 2-3 weeks after Step 2.

Broccoli, Cauliflower, Cabbage, Lettuce & Spinach

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16-32 ozs. per acre when 4–6 true leaves are formed.
- Apply 16-32 ozs. per acre 2 weeks after Step 1.
- Apply 16-32 ozs. per acre 2 weeks after Step 2.

NOTE: To maximize yields, make continuous applications of 16 ozs. per acre at 7–10 day intervals after the first application throughout the growing season.

Cantaloupe, Pumpkins, Watermelon, Honeydew, Cucumber & Squash

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16-32 ozs. per acre when the 3rd leaf begins to unfold.
- Apply 16-32 ozs. per acre 2–3 weeks after Step 1.
- Apply 16-32 ozs. per acre 2–3 weeks after Step 2.

NOTE: To maximize yields, make continuous applications of 12–16 ozs. per acre at 7–10 day intervals after the first application throughout the growing season.

Pepper, Tomato, Eggplant & Okra

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16-32 ozs. per acre when the plant has 3–4 true leaves.
- Apply 16-32 ozs. per acre at first bloom.
- Apply 16-32 ozs. per acre at first fruit set.

NOTE: To maximize yields, make continuous applications of 12–16 ozs. per acre at 7–10 day intervals after the first application throughout the growing season.

Sweet Corn & Popcorn

- Apply as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 6- 8 oz per 50lb bag, then let dry or make an in furrow application at planting of 16 oz per acre. If an in furrow or seed treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16-32 ozs. per acre when plants are in the 4–6 leaf stage.
- Apply 16-32 ozs. per acre at the 8–10 leaf sate.

Potatoes

- Make an in furrow application at planting of 16 oz per acre. If an in furrow treatment is not possible, soil apply 16 – 32 ounces per acre with preplant or preemerge chemicals.
- Apply 16-32 ozs. per acre at tuber initiation (approximately 4–6 weeks after emergence.)
- Apply 16-32 ozs. per acre at pre-bloom stage.
- Apply 16-32 ozs. per acre during bloom.

Sweet potato

- Treat slips prior to transplanting with a 2% solution of FoliarBlend
- Apply 16 – 32 oz per acre to beds prior to or during transplanting
- Apply 16-32 ozs. per acre after 3rd new leaf
- Apply 16-32 ozs. per acre at pre-bloom stage
- Apply 16-32 ozs. per acre during bloom

Fruit and Nuts Usage

The applications listed may be applied in conjunction with corresponding conventional liquid fertilizer, herbicide, fungicide or insecticide applications.

Directions for Use: **FoliarBlend** may be applied by ground or air. If applied by air it is recommended to use 5–10 gallons of water per acre. If applied by ground it is recommended to use 10–20 gals. of water per acre.

Compatibility: **FoliarBlend** is compatible with most herbicides, insecticides, fungicides and foliar fertilizers. A jar test is recommended prior to tank mixing. Test results have shown that **FoliarBlend** can stimulate higher yields through increased nutrient uptake. It is not a replacement for conventional fertilizer. Soil sample regularly and use **FoliarBlend** in conjunction with good fertility practices.

Dates, Figs, Olives, Persimmons & Pomegranates

- Apply 16–32 ozs. per acre during pink bud stage.
- Apply 16–32 ozs. per acre every 2–3 weeks up to harvest.

Apples & Pears

- Apply 16–32 ozs. per acre at green growth (tight cluster) stage.
- Apply 16–32 ozs. per acre at pre-bloom stage.
- Apply 16–32 ozs. per acre at half bloom stage.
- Apply 16–32 ozs. per acre at 3/4 petal fall.
- Apply 16–32ozs. per acre at young fruit stage.

Wine, Table Grapes & Kiwifruit

- Apply 16–32 ozs. per acre at the start of spring growth.
- Apply 16–32 ozs. per acre at pre-bloom stage.
- Apply 16–32 ozs. per acre at fruit set.

Almonds, Pecans & Walnuts

- Apply 16–32 ozs. per acre at early bloom.
- Apply 16–32 ozs. per acre every 4–6 weeks until after nut fill.

Citrus & Avocados

- Apply 16–32 ozs. per acre pre-bloom
- Apply 16–32 ozs. per acre at full bloom – 2/3 petal fall.
- Apply 16–32 ozs. per acre when fruit is approximately 1/2 inch in diameter.

Peaches, Nectarines, Apricots & Cherries

- Apply 16–32 ozs. per acre at pre- to early bloom stage.
- Apply 16–32 ozs. per acre at petal fall.
- Apply 16–32 ozs. per acre at young fruit stage.

Plums & Prunes

- Apply 16–32 ozs. per acre at white bud stage.
- Apply 16–32 ozs. per acre at early bloom.
- Apply 16–32 ozs. per acre at petal fall.
- Apply 16–32 ozs. per acre at fruit set.

Berry Bushes

- Apply 16–32 ozs. per acre at leaf initiation.
- Apply 16–32 ozs. per acre at early bloom stage.
- Apply 16–32 ozs. per acre at late petal fall.
- Apply 16–32 ozs. per acre at fruit set.

Strawberries

- Apply 24–32 ozs. per acre as soon as there is sufficient foliage to absorb spray.
- Apply 24–32 ozs. per acre at first bloom stage.
- Apply 24–32 ozs. per acre at fruit set.

NOTE: Sprays can continue every 14 days through harvest.

Headquartered in Doniphan, Missouri, Agri-Gro Marketing, Inc. has grown to become a global company with sales in six continents.

Who We Are

Agri-Gro Marketing, Inc.®

For more than 30 years, Agri-Gro Marketing, Inc., has established a tradition of excellence, manufacturing an ever-increasing line of innovative products that offer unmatched value for the global marketplace. Over that time, we have become leaders in the field of agricultural and horticultural plant/soil nutrition. Thanks to the development of innovative products like **FoliarBlend**, producers around the globe can grow higher quality, better yielding crops while reducing production costs and the need for chemical inputs.

Quite simply, our technology helps growers create healthier, more balanced soils and plants that produce higher yields with superior quality. Most of the focus in agriculture is on the chemical and physical aspects of the production process and rightfully so, they are truly important. However, in order to maximize any plant's yield potential one must look beyond just the physical and chemical and consider the biological element of crop production as well. This is an essential area of crop production that many growers overlook and why **FoliarBlend** was developed. It is a truth, **FoliarBlend** does what conventional N-P-K fertilizers and physical tillage alone cannot.

Our products have been tested by the USDA and numerous state universities and proven under field conditions to perform as claimed. **FoliarBlend** improves the yield and quality of grain, fruit, vegetable and horticultural crops while decreasing conventional fertilizer requirements and the need for chemical inputs. Our products are environmentally safe, non-toxic, noncarcinogenic and contain no pathogenic microorganisms.

For more information on additional products by Agri-Gro Marketing, Inc. visit www.agrigro.com

For more information, contact your local distributor:

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