



Agri-Gro Marketing, Inc.

# PRODUCT APPLICATION GUIDE

## Included in this Guide:

- FoliarBlend
- IgniteS<sup>2</sup>
- Agri-Cal

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Just Add Life<sup>®</sup>

### Product Overview

**FoliarBlend** is a nutritional plant supplement designed to keep plants and soil “spiked up” with the nutrition and growth supplements required to maximize yield and minimize plant stress.

**IgniteS<sup>2</sup>** is a soil and starter supplement formulated to get your crops out of the gate early before lack of nutrition and resulting stress can rob them of the development, health, and yield they were designed to produce.

**Agri-Cal** is a calcium saturated chelating agent that provides growers with an alternative solution to liming. It is 100% water soluble and immediately available to growing plants.

# HOW TO USE FOLIARBLEND AND IGNITES<sup>2</sup>



**FoliarBlend** and **IgniteS<sup>2</sup>** may be applied to the soil, seed, and plant foliage. Total applications of 32–48 oz. / acre are typical for field crops with 16 oz. / acre of **IgniteS<sup>2</sup>** (or **FoliarBlend**) applied broadcast or in furrow at planting, followed by one to two applications of **FoliarBlend** applied to plant foliage at 16 oz. / acre each. If only one foliar application is made, rates up to 32 oz. / acre may be used.

**FoliarBlend** and **IgniteS<sup>2</sup>** can be applied through standard ground or aerial application equipment and properly equipped irrigation systems. **FoliarBlend** and **IgniteS<sup>2</sup>** are available in 2.5 gallon containers, 55 gallon drums, 275 gallon mini-totes or bulk tanker load quantities.

**FoliarBlend** and **IgniteS<sup>2</sup>** are formulated for use on ALL crops.



**IgniteS<sup>2</sup>**  
by AgriGro

**FoliarBlend**  
by AgriGro

For additional product information visit [www.agrigro.com](http://www.agrigro.com)

**AS WITH ANY AGRI-CHEMICAL, DO A COMPATIBILITY CHECK TO INSURE PROPER MIXING.**

## 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** and **IgniteS<sup>2</sup>** may be applied by ground, air, or through properly equipped irrigation and fertigation systems. 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 gallons of water per acre.

**COMPATIBILITY:** **FoliarBlend** and **IgniteS<sup>2</sup>** are stable products with excellent tank mixing characteristics. They 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** and **IgniteS<sup>2</sup>** can stimulate higher yields through increased nutrient uptake, larger root mass, earlier fruiting and increased fruit retention. Neither products are a replacement for fertilizer. Soil sample regularly and use **FoliarBlend** and **IgniteS<sup>2</sup>** in conjunction with good fertility practices.

### WHEAT & OTHER SMALL GRAINS

- Apply **IgniteS<sup>2</sup>** (or **FoliarBlend**) 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 oz. per acre with preplant or preemerge chemicals.
- Apply 16-24 oz. per acre of **FoliarBlend** prior to jointing.
- Apply 16-24 oz. per acre of **FoliarBlend** at the flag leaf stage. (If Step 1 is missed, apply 32 oz. per acre of **FoliarBlend** at the flag leaf stage.)



### COTTON

- Make an in furrow application of **IgniteS<sup>2</sup>** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16-32 oz. per acre with preplant or preemerge chemicals.
- Apply 16 oz. per acre of **FoliarBlend** at the 3-7 leaf stage.
- Apply 16 oz. per acre of **FoliarBlend** at pinhead square stage.
- Apply 16 oz. per acre of **FoliarBlend** at early bloom.

### TOBACCO

- Apply 16 oz. of **IgniteS<sup>2</sup>** (or **FoliarBlend**) per 100 gallons of setting water.
- Apply 16-32 oz. per acre of **FoliarBlend** with preplant herbicide.
- Apply 16 oz. per acre of **FoliarBlend** with each foliar spray made with liquid fertilizer or insecticide.

### SOYBEANS

- Make an in furrow application of **IgniteS<sup>2</sup>** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16-32 oz. per acre of **IgniteS<sup>2</sup>** (or **FoliarBlend**) with preplant or preemerge chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** at the 3-5 trifoliolate leaf stage.
- Apply a second application of 16-32 oz. per acre of **FoliarBlend** at pre-bloom to pod set. (If Step 1 is missed, apply 32 oz. per acre of **FoliarBlend** prior to bloom.)

**FoliarBlend**  
by AgriGro

### CORN AND GRAIN SORGHUM

- Apply **IgniteS<sup>2</sup>** (or **FoliarBlend**) as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 6-8 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 oz. per acre of **IgniteS<sup>2</sup>** (or **FoliarBlend**) with preplant or preemerge chemicals.
- Apply 16-24 oz. per acre of **FoliarBlend** at the 3-5 leaf stage.
- Apply 16-24 oz. per acre of **FoliarBlend** anytime from pre-tassel to just after pollination has completed.

### RICE

- Apply **IgniteS<sup>2</sup>** (or **FoliarBlend**) 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 oz. per acre with preplant or preemerge chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** when the rice seedling has 3 fully emerged leaves but before the seedling has completed development of 7 leaves or 3 tillers. (continued...)

- To boost yields and stimulate cell differentiation, apply **FoliarBlend** at the rate of 16-32 oz. per acre immediately after internode elongation or joint movement has begun.

### SUNFLOWERS AND OILSEEDS

- Make an in furrow application of **IgniteS<sup>2</sup>** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16-32 oz. per acre with preplant or preemerge chemicals.
- Apply 16 oz. per acre of **FoliarBlend** at 4-8 inches in growth.
- Apply 16 oz. per acre of **FoliarBlend** at flowering stage.

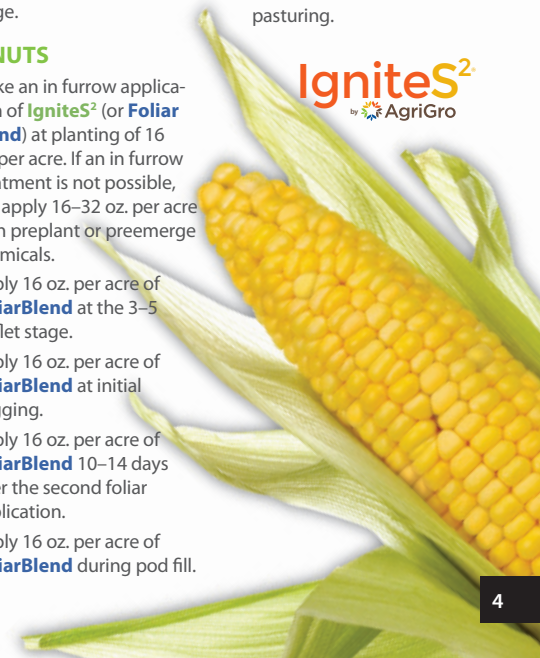
### PEANUTS

- Make an in furrow application of **IgniteS<sup>2</sup>** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16-32 oz. per acre with preplant or preemerge chemicals.
- Apply 16 oz. per acre of **FoliarBlend** at the 3-5 leaflet stage.
- Apply 16 oz. per acre of **FoliarBlend** at initial pegging.
- Apply 16 oz. per acre of **FoliarBlend** 10-14 days after the second foliar application.
- Apply 16 oz. per acre of **FoliarBlend** during pod fill.

### ALFALFA, HAY AND FORAGE CROPS

- Apply **IgniteS<sup>2</sup>** (or **FoliarBlend**) 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 oz. per acre broadcast with preplant or preemerge chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** in the spring as soon as growth begins and continue applying 16 oz. per acre 7-10 days after each cutting or heavy pasturing.

**IgniteS<sup>2</sup>**  
by AgriGro



## Vegetable Usage

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

**DIRECTIONS FOR USE:** **FoliarBlend** and **IgniteS<sup>2</sup>** may be applied by ground, air, or through properly equipped irrigation and fertigation systems. 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 gallons of water per acre.

**COMPATIBILITY:** **FoliarBlend** and **IgniteS<sup>2</sup>** are stable products with excellent tank mixing characteristics. They 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** and **IgniteS<sup>2</sup>** can stimulate higher yields through increased nutrient uptake, larger root mass, earlier fruiting and increased fruit retention. Neither products are a replacement for fertilizer. Soil sample regularly and use **FoliarBlend** and **IgniteS<sup>2</sup>** in conjunction with good fertility practices.

### EDIBLE BEANS -- GREEN, LIMA, DRY, SNAP, PINTOS, BLACK TURTLES, MARROW-FATS, GREAT NORTHERN, NAVY, YELLOW EYES, KIDNEY, GARBANZO & SEED

1. Make an in furrow application of **IgniteS<sup>2</sup>** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16-32 oz. per acre with preplant or pre-emerge chemicals.
2. Apply 16-32 oz. per acre of **FoliarBlend** when the first trifoliolate is unfolded.
3. Apply 16-32 oz. per acre of **FoliarBlend** 2 weeks after step 2.
4. Apply 16-32 oz. per acre of **FoliarBlend** at first bloom.

### CARROTS, ONIONS, LEEKS, RADISH SUGARBEETS, PARSNIP, RUTABAGA & TURNIPS

1. Make an in furrow application of **IgniteS<sup>2</sup>** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16-32 oz. per acre with preplant or pre-emerge chemicals.
2. Apply 16-32 oz. per acre of **FoliarBlend** at 3-4 inches in growth.
3. Apply 16-32 oz. per acre of **FoliarBlend** 2-3 weeks after step 2.
4. Apply 16-32 oz. per acre of **FoliarBlend** 2-3 weeks after step 3.



### BROCCOLI, CAULIFLOWER, CABBAGE, LETTUCE & SPINACH

1. Make an in furrow application of **IgniteS<sup>2</sup>** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16-32 oz. per acre with preplant or pre-emerge chemicals.
2. Apply 16-32 oz. per acre of **FoliarBlend** when 4-6 true leaves are formed.
3. Apply 16-32 oz. per acre of **FoliarBlend** 2 weeks after Step 2.
4. Apply 16-32 oz. per acre of **FoliarBlend** 2 weeks after Step 3.

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

### CANTALOUPE, PUMPKINS, WATERMELON, HONEYDEW, CUCUMBER AND SQUASH

1. Make an in furrow application of **IgniteS<sup>2</sup>** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16-32 oz. per acre with preplant or pre-emerge chemicals.
2. Apply 16-32 oz. per acre of **FoliarBlend** when the 3rd leaf begins to unfold.
3. Apply 16-32 oz. per acre of **FoliarBlend** 2-3 weeks after Step 2.
4. Apply 16-32 oz. per acre of **FoliarBlend** 2-3 weeks after Step 3.

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

### PEPPER, TOMATO, EGGPLANT & OKRA

- Make an in furrow application of **IgniteS<sup>2</sup>** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16-32 oz. per acre with preplant or pre-emerge chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** when the plant has 3-4 true leaves.
- Apply 16-32 oz. per acre of **FoliarBlend** at first bloom.
- Apply 16-32 oz. per acre of **FoliarBlend** at first fruit set. (continued...)

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

### SWEET CORN AND POPCORN

- Apply **IgniteS<sup>2</sup>** (or **FoliarBlend**) as a seed coating prior to planting with enough undiluted product to make seed damp to the touch, approximately 6-8 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 oz. per acre of **IgniteS<sup>2</sup>** (or **FoliarBlend**) with preplant or pre-emerge chemicals.
- Apply 16-32 oz. per acre of **FoliarBlend** when plants are in the 4-6 leaf stage.
- Apply 16-32 oz. per acre of **FoliarBlend** at the 8-10 leaf state.

### POTATOES

- Make an in furrow application of **IgniteS<sup>2</sup>** (or **FoliarBlend**) at planting of 16 oz. per acre. If an in furrow treatment is not possible, soil apply 16-32 oz. per acre with preplant or pre-emerge chemicals.

- Apply 16-32 oz. per acre of **FoliarBlend** at tuber initiation (approx. 4-6 weeks after emergence.)
- Apply 16-32 oz. per acre of **FoliarBlend** at pre-bloom stage.
- Apply 16-32 oz. per acre of **FoliarBlend** during bloom.

### SWEET POTATO

- Treat slips prior to transplanting with a 2% solution of **IgniteS<sup>2</sup>** (or **FoliarBlend**).
- Apply 16-32 oz. per acre of **IgniteS<sup>2</sup>** (or **FoliarBlend**) to beds prior to or during transplanting.
- Apply 16-32 oz. per acre of **FoliarBlend** after 3rd new leaf.
- Apply 16-32 oz. per acre of **FoliarBlend** at pre-bloom stage.
- Apply 16-32 oz. per acre of **FoliarBlend** during bloom.

**Ignites<sup>2</sup>**  
by AgriGro







**FoliarBlend**  
by AgriGro

## Fruit and Nuts Usage

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

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**COMPATIBILITY:** FoliarBlend and IgniteS<sup>2</sup> are stable products with excellent tank mixing characteristics. They 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 and IgniteS<sup>2</sup> can stimulate higher yields through increased nutrient uptake, larger root mass, earlier fruiting and increased fruit retention. Neither products are a replacement for fertilizer. Soil sample regularly and use FoliarBlend and IgniteS<sup>2</sup> in conjunction with good fertility practices.

### STRAWBERRIES

- Apply 24-32 oz. per acre of **FoliarBlend** as soon as there is sufficient foliage to absorb spray.
- Apply 24-32 oz. per acre of **FoliarBlend** at first bloom stage.
- Apply 24-32 oz. per acre of **FoliarBlend** at fruit set.

*NOTE: Sprays can continue every 14 days through harvest.*

### BERRY BUSHES

- Apply 16-32 oz. per acre of **FoliarBlend** at leaf initiation.
- Apply 16-32 oz. per acre of **FoliarBlend** at early bloom stage.
- Apply 16-32 oz. per acre of **FoliarBlend** at late petal fall.
- Apply 16-32 oz. per acre of **FoliarBlend** at fruit set.

### ALMONDS, PECANS & WALNUTS

- Apply 16-32 oz. per acre of **FoliarBlend** at early bloom.
- Apply 16-32 oz. per acre of **FoliarBlend** every 4-6 weeks until after nut fill.

### CITRUS & AVOCADOS

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

### PEACHES, NECTARINES, APRICOTS & CHERRIES

- Apply 16-32 oz. per acre of **FoliarBlend** at pre- to early bloom stage.
- Apply 16-32 oz. per acre of **FoliarBlend** at petal fall.
- Apply 16-32 oz. per acre of **FoliarBlend** at young fruit stage.

### PLUMS & PRUNES

- Apply 16-32 oz. per acre of **FoliarBlend** at white bud stage.
- Apply 16-32 oz. per acre of **FoliarBlend** at early bloom.
- Apply 16-32 oz. per acre of **FoliarBlend** at petal fall.
- Apply 16-32 oz. per acre of **FoliarBlend** at fruit set.



### APPLES & PEARS

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

### DATES, FIGS, OLIVES, PERSIMMONS & POMEGRANATES

- Apply 16-32 oz. per acre of **FoliarBlend** during pink bud stage.
- Apply 16-32 oz. per acre of **FoliarBlend** every 2-3 weeks up to harvest.

### WINE, TABLE GRAPES & KIWIFRUIT

- Apply 16-32 oz. per acre of **FoliarBlend** at the start of spring growth.
- Apply 16-32 oz. per acre of **FoliarBlend** at pre-bloom stage.
- Apply 16-32 oz. per acre of **FoliarBlend** at fruit set.

**FoliarBlend**  
by AgriGro



**Ignites<sup>2</sup>**  
by AgriGro



# HOW TO USE IGNITES<sup>2</sup> FOR RESIDUE MANAGEMENT.



You will be ahead of the game next year by applying **Ignites<sup>2</sup>** to crop stubble this fall. **Ignites<sup>2</sup>** will stimulate an explosion of microbial life in the soil, which in turn, significantly speeds up the decomposition of the crop residue. This increases the amount of available nutrients for next year's crop and also adds valuable organic matter to the soil.

## Apply Ignites<sup>2</sup> to Help Convert Any Type of Residue to Humus:

- **As soon as possible after harvest, apply 1-2 pints of Ignites<sup>2</sup> per acre to speed up stalk digestion.** (Any required **Agri-Cal<sup>™</sup>** liquid calcium can also be applied at this time.) Microbes can quickly colonize the more easily digestible inner stalk material. As the fungi, bacteria and actinomycetes multiply, they gradually attack the tough inner cellulose and lignin of the stalk rind. Soil organisms first consume sugars and amino acids in the stalk. Fueled with that energy, they devour starches, proteins, and cellulose. The tough, complex lignin is the last component they attack.
- **Mix residue into the aerobic zone of your soil. If you have a no-till environment, make sure residue is shredded and spread evenly on the soil with 1-2 pints of Ignites<sup>2</sup> sprayed over the top.** Under no-till circumstances, fungi typically do more of the digestive work. They look for food above the surface and can thrive on nutrients with a fairly low ratio of nitrogen to carbon. One visible clue to active biological breakdown is the webs of actinomycetes colonizing the residue. These organisms wrap around stalks and nothing washes them off. That rich, earthy odor is another clue that actinomycetes are active.



**AS WITH ANY AGRI-CHEMICAL, DO A COMPATIBILITY CHECK TO INSURE PROPER MIXING.**

# HOW TO USE AGRI-CAL



**Agri-Cal<sup>®</sup>** liquid calcium can be applied with standard sprayer equipment. No special nozzles or handling equipment is required. It can be adapted to a variety of farming systems and herbicide applications eliminating those extra trips across the field.

One of the most beneficial ways of applying the product also saves on nitrogen costs. When **Agri-Cal<sup>®</sup>** is added to liquid nitrogen a stabilizing effect occurs. Many growers have been able to reduce their nitrogen rates substantially while still seeing a boost in yields.

**Agri-Cal<sup>®</sup>** can be applied through conventional ground equipment, aerial application, or through properly equipped irrigation systems.

**Agri-Cal<sup>®</sup>** can be tank mixed with most soil applied herbicides and liquid fertilizer solutions that do not contain phosphorus. No extra trips across the field are generally needed.

## IMPORTANT

To avoid the formation of insoluble precipitates, do NOT mix with materials containing Phosphates or Sulfates. Do NOT mix with any Round-Up<sup>®</sup> type herbicides (Glyphosate based).

## General Recommendations

- **Soil:** 2-5 gallons per acre
- **Foliar:** 1-3 gallons per acre
- **Liquid Nitrogen Solutions:** Agri-Cal<sup>®</sup> should be used at 2-5 gallons per acre with all Liquid N applications.

*For every 5% the calcium base saturation percentage is low according to soil report, add 1 gallon / acre of Agri-Cal.*



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**AgriGro**<sup>®</sup>

[www.agrigro.com](http://www.agrigro.com)

Agri-Gro Marketing, Inc.<sup>®</sup>, Agri-Cal<sup>®</sup>, Foliar Blend by Agri-Gro<sup>®</sup>, IgniteS2<sup>®</sup> and Agri-Gro Ultra<sup>®</sup> are trademarks of Agri-Gro Marketing, Inc.

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