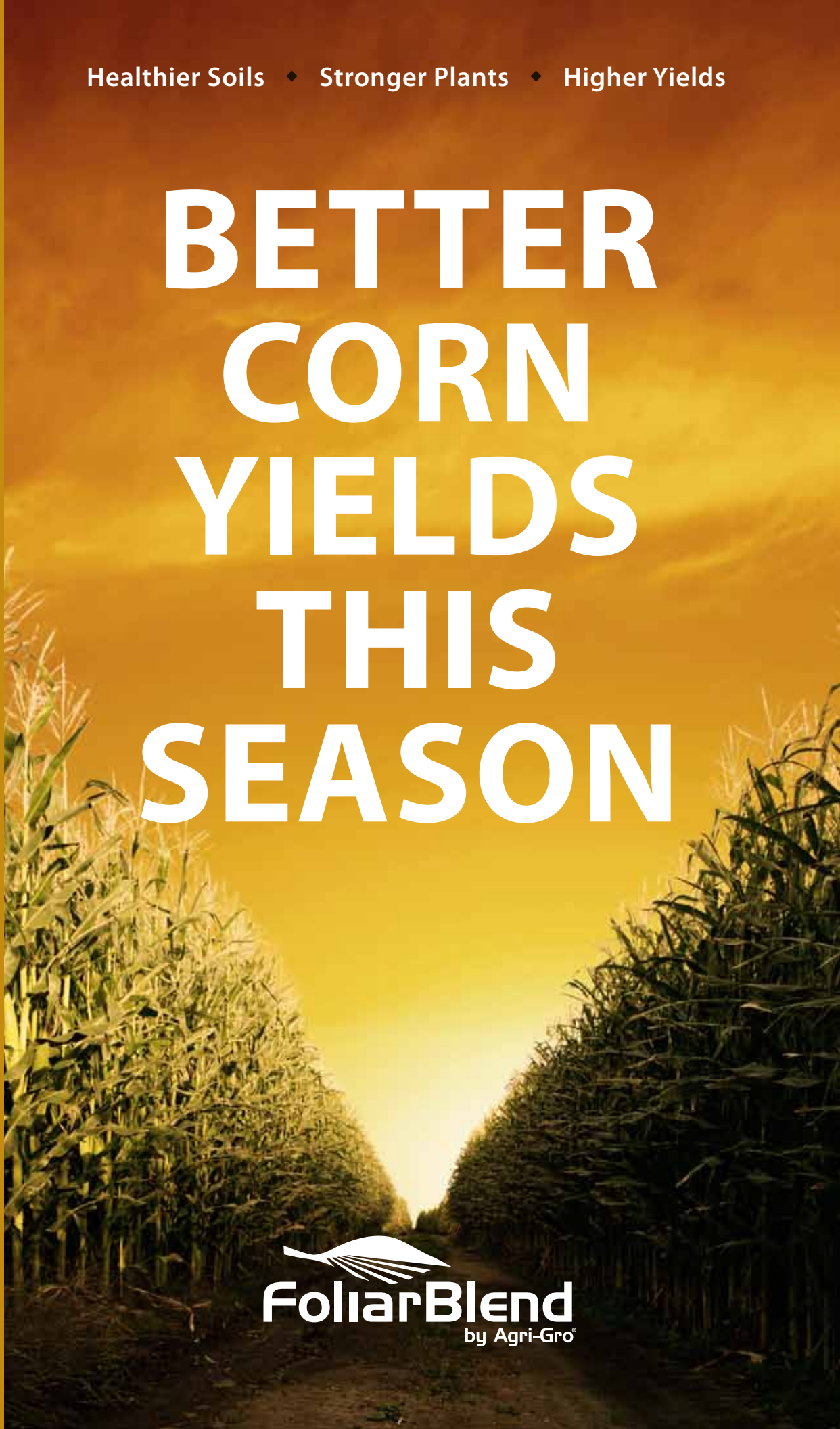
FOLIARBLEND ◆ *CORN RESEARCH*

2013 EDITION

Healthier Soils ◆ Stronger Plants ◆ Higher Yields

BETTER CORN YIELDS THIS SEASON



FoliarBlend by Agri-Gro®

The FoliarBlend Advantage

In order for growers to maximize 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 fertilizer (N-P-K) rates, expecting yields to jump accordingly, is simply not the answer to better profits and higher yields. To truly maximize yield and profit margin, look beyond the obvious physical and chemical fixes, and consider the critical role biological life plays in crop production. In fact, many yield and disease 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, increases fertilizer efficiency, improves plant growth, boosts yields and improves plant and soil health? **FoliarBlend** is designed to do just that and more. **FoliarBlend** does what chemicals, 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.

FoliarBlend by Agri-Gro

The Three Soil Properties

The Biological Edge

All too often, the biological component of plant growth is an overlooked key to increasing yields 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 growth.

FoliarBlend Increases Yields & Profits

Irrigation Research Foundation
FoliarBlend Corn Research

Applied16 oz / acre of FoliarBlend at 3-5 leaf stage and when plant reached 36" in height. 2012

Control Plot: 205.4 bushels/acre

FoliarBlend: 222.6 bushels/acre

Results Using FoliarBlend On Corn: 17.2 Bushels Per Acre Increase!

Irrigation Research Foundation
FoliarBlend Corn Research - Joint study with IgniteS^2

Applied 16 oz / acre of IgniteS^2 in-furrow. Applied 16 oz / acre of FoliarBlend at 3-5 leaf stage and when plant reached 36" in height. 2012

Control Plot: 195 bushels/acre

FoliarBlend & IgniteS^2: 217.7 bushels/acre

Results Using FoliarBlend / IgniteS^2 On Corn: 22.7 Bushels Per Acre Increase!

Irrigation Research Foundation
FoliarBlend Corn Research - Joint study with IgniteS^2

Applied 16 oz / acre of IgniteS^2 in-furrow. Applied 32 oz / acre of FoliarBlend when plant reached 36" in height. 2012

Control Plot: 205.4 bushels/acre

FoliarBlend & IgniteS^2: 226.6 bushels/acre

Results Using FoliarBlend / IgniteS^2 On Corn: 21.2 Bushels Per Acre Increase!

USDA & University of Missouri
Roundup Ready™ Corn Research

Replicated Research, Two Year Average. One foliar application in 2007 and two foliar applications in 2008.

Control Plot: 203.7 bushels/acre

FoliarBlend: 221.2 bushels/acre

Results Using FoliarBlend On Corn: 17.5 Bushels Per Acre Increase!

USDA & University of Missouri
Roundup Ready™ Corn Research

Replicated Research, 16 oz / acre of FoliarBlend applied at V4 and V8 growth stage. (i.s.d.0.05) 2008

Control Plot: 199.4 bushels/acre

FoliarBlend: 224.1 bushels/acre

Results Using FoliarBlend On Corn: 24.7 Bushels Per Acre Increase!

Improved Plant Health, Less Disease

FoliarBlend treated plots had lower levels of Fusarium colonization by an average 48% in corn.

Fusarium colonization is an indicator of the potential fungal infection of roots, which can lead to disease.

USDA & University of Missouri
Roundup Ready™ Corn Research

Replicated Research, Two Year Average (2007-2008)

Control Plot: 81 fungal colonies / 100cm of root

FoliarBlend: 46 fungal colonies / 100 cm of root

Results Using FoliarBlend On Corn: 48% Reduction in Fungal Colonies

FoliarBlend treated plots showed an increased levels of Mn-reducing bacteria by an average 214% in corn.

Mn reducing bacteria transform manganese to a plant available form.

USDA & University of Missouri
Roundup Ready™ Corn Research

Replicated Research, Two Year Average (2007-2008)

Control Plot: 18 cfu / gram x 10,000

FoliarBlend: 58 cfu / gram x 10,000

Results Using FoliarBlend On Corn: 214% Increase in Mn-Reducing Bacteria

FoliarBlend treated plots had increased levels of Fluorescent Pseudomonad Bacteria by an average 80% in corn.

Fluorescent Pseudomonad Bacteria are generally associated with beneficial effects of the rhizosphere bacterial community, including aiding in the suppression of fungal pathogens in the rhizosphere.

USDA & University of Missouri
Roundup Ready™ Corn Research

Replicated Research, Two Year Average (2007-2008)

Control Plot: 50 cfu / gram x 10,000

FoliarBlend: 90 cfu / gram x 10,000

Results Using FoliarBlend On Corn: 80% Increase in F.P. Bacteria

Corn Usage

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

The applications listed may be applied in conjunction with corresponding 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 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. **FoliarBlend** is not a replacement for fertilizer. Soil sample regularly and use **FoliarBlend** in conjunction with good fertility practices.

Rates and Usage

- Make an **in-furrow** application of **IgniteS²** or **FoliarBlend** at planting of 16 oz. per acre. Or apply as a seed coating prior to planting (approximately 6-8 oz per 50 lb. bag).
- If an in-furrow or seed treatment is not possible, **soil apply** 16 to 32 oz. of **IgniteS²** or **FoliarBlend** per acre with pre-plant or pre-emerge chemicals.
- Apply **FoliarBlend**16 to 24 oz. per acre at the 3-5 **leaf stage**.
- Apply **FoliarBlend** 16 to 24 oz. per acre anytime from **V10 to R1** growth stage.

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www.foliarblend.agrigro.com

For more information on Foliar Blend, visit www.foliarblend.agrigro.com