



**SOIL**  
**Service, Inc.**  
Custom Approaches to Soil Management

Give your crops the smart start.

**CROP CHOICE**<sup>®</sup>

888-313-2360 | [www.soilserviceinc.com](http://www.soilserviceinc.com)

**CROP CHOICE**<sup>®</sup> STARTER FERTILIZER | **FOLIAR OPP**<sup>®</sup> | **SUGAR E-BOOST**<sup>®</sup> | **2075-SRN**<sup>®</sup> & **MAX72-SRN**<sup>®</sup>  
**NUTRIENT RECYCLING PROGRAM** | **SOIL BOOST EXTREME** | **SOIL BOOST PLUS**<sup>®</sup> | **SOIL CAL**<sup>®</sup> | **LANDOIL**<sup>®</sup> | **ROGUE VT**<sup>®</sup>



## YOU'LL NEVER REGRET INVESTING IN CROP CHOICE STARTER FERTILIZER

A crucial part of your soil fertility program is starter fertilizer, especially if you want to capitalize on the benefits of planting earlier in the growing season. When soils are wet and cold, an in-furrow boost ensures seeds have direct access to the nutrients they need before the sixth leaf—the critical growth stage when maximum ear size is determined.

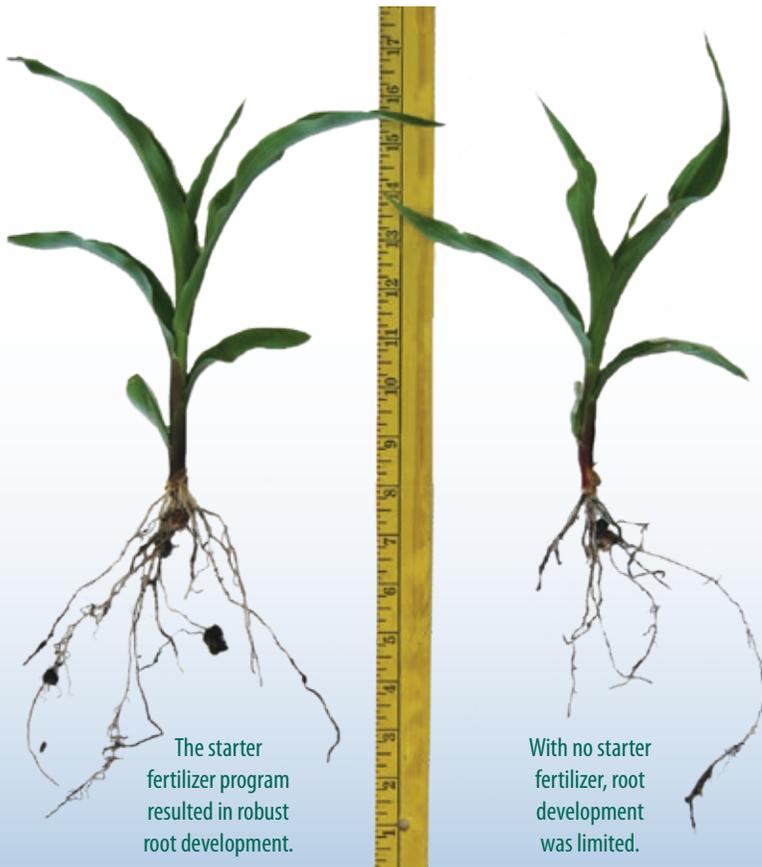
We recommend a normal use rate of 5 gallons per acre, but your product and rate are determined by what we believe will be most profitable based on our soil testing program and years of field-tested experience, along with your other fertilizer applications. We will help you set up your starter fertilizer system, so you don't have to stop and fill more frequently than you do for seed.

### CROP CHOICE STARTER FERTILIZER:

- Is seed-safe for in-furrow placement at our recommended rates.
- Can benefit corn (grasses), soybeans (legumes), and virtually all other crops.
- Allows for a lower application rate than broadcast and 2×2 placement.
- Has a low impurity level, low viscosity, and low salt content.
- Is non-corrosive because of its low salt content and high purity level.
- Contains potassium, another nutrient that benefits young plants.



## CROP CHOICE PROGRAM RESULTS



The starter fertilizer program resulted in robust root development.

With no starter fertilizer, root development was limited.



## PRECISION PLACEMENT IS CRUCIAL

As seeds germinate, their internal nutrient sources—starches and sugars—are quickly used up. When high-quality starter fertilizer is used, plants quickly find additional nutrients. Banded starter fertilizer outperforms broadcast fertilizer by providing 49.7 times greater concentration of nutrients in the root zone.

## WHY PARTNER WITH SOIL SERVICE?

When you choose SOIL Service, Inc. to take care of your nutrient needs, you choose a complete program. Agronomists are available for consultation, and recommendations for your individual field are part of the program. A complete soil test—including micronutrients—is provided, and delivery comes from your local dealer.

## ORTHOPHOSPHATE VS. POLYPHOSPHATE

Some starter fertilizer brands start as polyphosphates, a structure that has to break down and convert to orthophosphates before nutrients become available to plants. This conversion process takes time in cold, wet soils. Once in orthophosphate form, essential phosphorus easily enters cell walls and quickly translocates, giving your crop an early season boost.

**Crop Choice starter fertilizer is already in orthophosphate form.**

The orthophosphate in our starter fertilizers is 100% available to your crops from the minute it is applied—no conversion necessary. We only use orthophosphate blends of 3-18-18/3-18-18-1S, 9-18-9/9-18-9-1S, and 6-24-6/6-24-6-1S.

SOIL Service also offers:

- Low-salt, seed-safe 0-0-30 and 0-0-29 (potassium acetate) products that can be added to your mix
- Sugar E-Boost®—a natural, sugar-based soil amendment that provides energy to plants so they can efficiently translocate and use nutrients

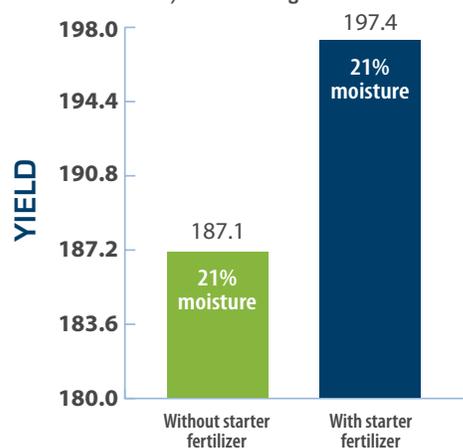
## CROP CHOICE PROGRAM RESULTS

Applying starter fertilizer early in the growing season is critical to achieving large, healthy yields. Part of this test plot was planted with Crop Choice starter fertilizer, and part was planted without. The taller corn (on the left) is from the section fertilized with Crop Choice. The shorter corn (on the right) is from the section that was not.



SOIL Service, Inc. Starter Fertilizer Research  
Planted June 5

10.3 bu./acre average increase



## FOLIAR OPP® WITH POTASSIUM MAXIMIZES YIELD POTENTIAL

Lack of micronutrients like zinc, manganese, sulfur, and boron negatively impacts yield. When a tissue test reveals deficiencies, we recommend an in-crop, in-season application of Foliar Opp—our tested orthophosphate potassium liquid fertilizer with a trace element package.

Crops respond best to starter fertilizer when it contains phosphorus and potassium—even in high-testing potassium soils.<sup>1</sup> Because soil temperatures below 85° limit potassium uptake, yields are enhanced when a starter fertilizer with potassium is applied in cool, wet soils. In SOIL Service testing and research, using Foliar Opp in combination with a starter fertilizer showed the potential to add 10 to 15 bushels of top-end yield in corn and 5 to 12 bushels in beans.

We developed two versions—Foliar Opp Beans and Foliar Opp Corn—to meet the unique needs of grass and legume crops. Each version contains a specific blend of micronutrients to help plants maintain proper nutrient balance. With Foliar Opp, you can expect an increase in yield and quality in beans, corn, alfalfa, wheat, pasture, and all other crops. For added benefit, also apply Sugar E-Boost®—a natural liquid that provides a sustained source of energy to plants so growing crops can more efficiently translocate and use nutrients.

<sup>1</sup> L.G. Bundy and P.C. Widen, "Corn Response to Starter Fertilizer: Planting Date and Tillage Effects," Better Crops, winter 1991-92.

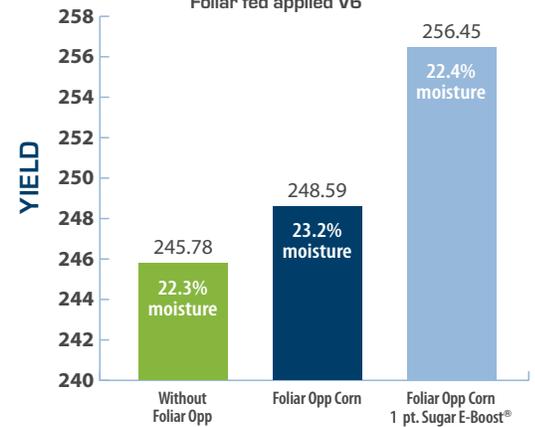
# FOLIAR OPP® Corn

# FOLIAR OPP® Beans

### 2017 SOIL Service, Inc. Research

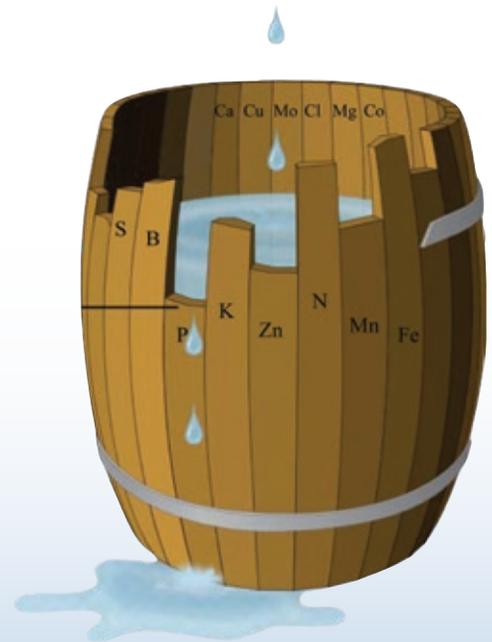
Foliar Opp®—1 GPA Corn

Foliar fed applied V6



## LIEBIG'S LAW OF THE MINIMUM

Justus von Liebig's (1803-1873) law of the minimum states that the yield of a crop is limited by the nutrient least available to the crop. Liebig's barrel demonstrates the importance of secondary and micronutrients—such as those found in Foliar Opp—in boosting the plant's nutrient uptake. Making these neglected nutrients available to your crop increases yield and quality.



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SOIL Service, Inc. completes extensive testing with all our products at our warehouse and research farm near Niota, Illinois. We are dedicated to selling and developing an extensive line of soil additives to facilitate improved crop performance for all our customers' unique needs.