



LANDOIL® | SOIL BOOST PLUS® | CROP CHOICE® STARTER FERTILIZER | FOLIAR OPP® | NUTRIENT RECYCLING PROGRAM | 2075-SRN® & MAX72-SRN® | SOIL CAL® | AERWAY®

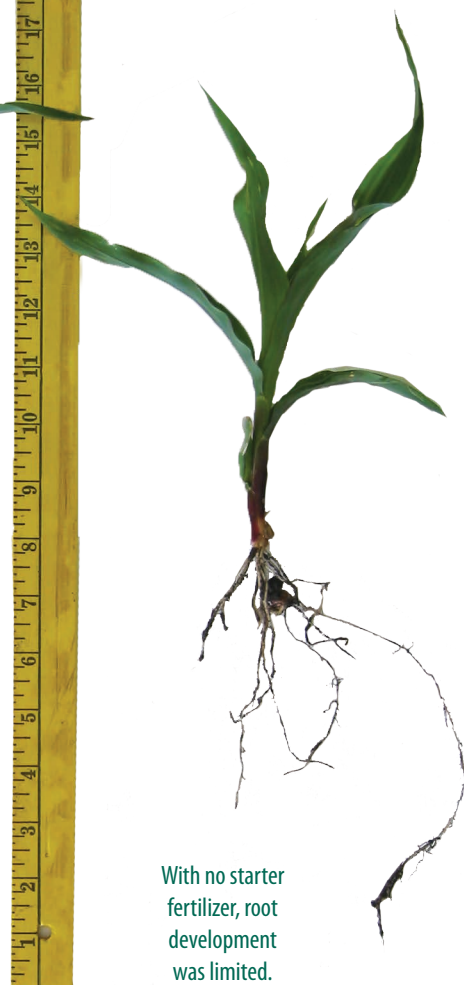
Give your crops the smart start:
SOIL Service **CROP^{CHOICE}**
Starter Fertilizer



SOIL
Service, Inc.
Custom Approaches to Soil Management



The starter fertilizer program resulted in robust root development.



With no starter fertilizer, root development was limited.

You'll never regret your investment in **SOIL Service** CROP CHOICE starter fertilizer.

Starter fertilizer is a crucial part of the soil fertility program, especially if you aim to take advantage of the benefits of planting earlier in the growing season. An in-furrow boost when soils are cold and wet ensures seeds have direct access to the nutrients they need during the most critical growth stage—before the sixth leaf, when maximum corn ear size is determined.

We recommend a normal use rate of five gallons per acre, but your product and rate will be determined by what we believe will be most profitable for you based on our soil testing program, your other fertilizer applications, and years of field-tested experience. 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.

Precision placement is crucial.

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

SOIL Service Crop Choice starter fertilizer:

- Is seed-safe for in-furrow placement at our recommended rates.
- Has the potential to 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 level of purity.
- Contains potassium, another nutrient that benefits young plants.

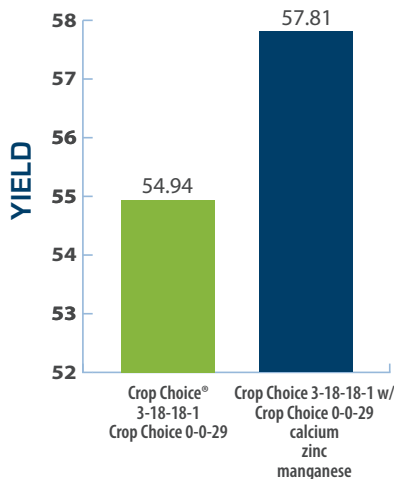


Why partner with SOIL Service?

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

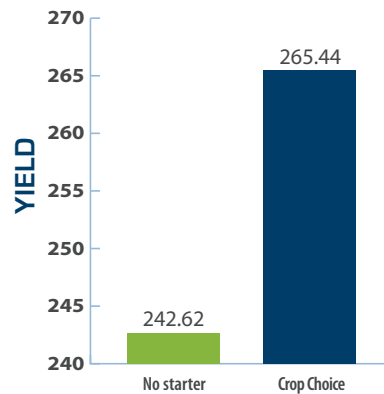


2016 SOIL Service, Inc. Research
Fertilizer Comparison With and Without Micronutrients



Beans following corn. Comparison with and without micronutrients, showing the importance of micronutrients in starter fertilizer.

2016 SOIL Service, Inc. Research
Comparison of Crop Choice® 3-18-18-1 Starter Fertilizer vs. No Starter Fertilizer



Orthophosphate vs. polyphosphate

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

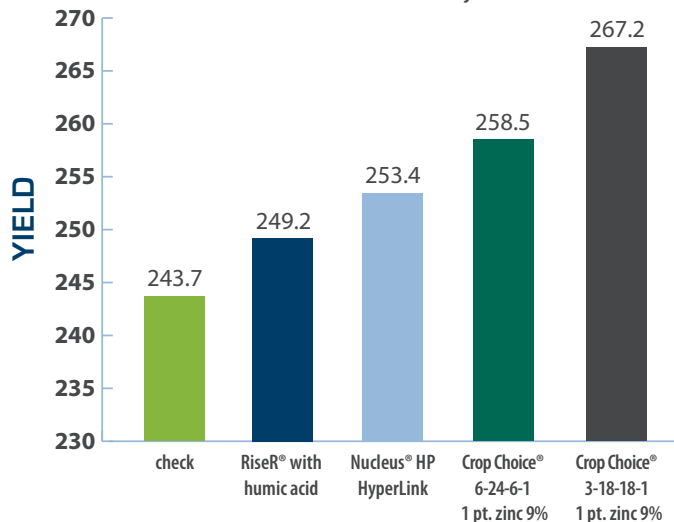
SOIL Service CROP CHOICE
starter fertilizer is in orthophosphate form.

The orthophosphate in our starter fertilizers is 100% available to your crops from the minute it is applied—no conversion necessary. We use only 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. If needed, 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 to supply additional potassium.

The taller corn on the right had starter fertilizer. The corn on the left did not.



SOIL Service, Inc. Research
Corn Starter Fertilizer Analysis Plots



Channel 213-57VT2P was planted on May 8 at 35,000 plant population in 30" rows. Harvested 8-row plots on October 11. 160 lbs. of nitrogen. Very high soil phosphorous and potassium fertility levels.

Add Foliar Opp® with potassium for even more yield potential.

FOLIAR OPP®
Beans

FOLIAR OPP®
Corn

Research has proven that the best response to starter fertilizer happens when starter fertilizers contain both phosphorus and potassium—even on high-testing potassium soils¹. Because soil temperatures below 85° limit the uptake of potassium, boosting the potassium level when a starter is applied in cool, wet soils enhances crop yields.

Additionally, lack of availability of micronutrients like zinc, manganese, sulfur, and boron can have a negative impact on yields. We recommend a tissue test to reveal any deficiencies if one is suspected.

To give crops a potassium boost at planting or to address micronutrient deficiencies in-crop, in-season, we recommend our tested orthophosphate potassium liquid fertilizers plus a trace element package. Foliar Opp Corn and Foliar Opp Beans each have a specific blend of micronutrients to help plants maintain proper nutrient balance. Using Foliar Opp in combination with a starter showed the potential to add 10 to 15 bushels of top-end yield in corn or 5 to 12 bushels in beans in SOIL Service testing and research. You can expect an increase in both yield and quality not only in beans and corn, but also in alfalfa, wheat, pasture, and all other crops.

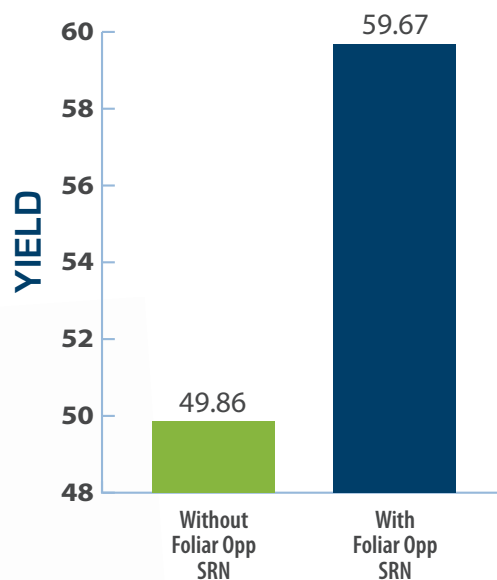
¹ L.G. Bundy and P.C. Widen,
"Corn Response to Starter
Fertilizer: Planting Date and
Tillage Effects," Better Crops,
winter 1991-92.



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 plant nutrient that is 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 ability. Making these neglected nutrients available to your crop increases the yield and quality.

SOIL Service, Inc. Research Soybean Plots With and Without Foliar Opp® and SRN



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 that give us the ability to facilitate improved crop performance for all our customers' unique needs.

SOIL
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Custom Approaches to Soil Management

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