

# SOURCE<sup>®</sup>

Easy application • Shelf-stable chemistry • Provides N & P



The soil activator that provides  
**25 lbs of nitrogen and phosphorus**

# Synthetic fertilizer has limitations. We have the solution.

-\$

You're paying for plenty of nutrients, but your crop doesn't see many of them



Volatilization

N

Leaching

Tie Up

P



+\$

SOURCE provides the nutrients your crop needs where and when it needs them



SOURCE®

## Optimizing nutrients is hard.

N is lost.

P is tied up.

Weather is uncertain.

Adding more fertilizer hurts your wallet and leaves your crop vulnerable to deficiencies.

No matter how much N and P you apply, there is a limit to what your plant can access, and your wallet pays the price. In fact, according to a recent University of Illinois report, corn gets 2/3 of its nitrogen from the soil, not synthetic fertilizer. Crops need a healthy and active microbiome to provide critical nutrients throughout the season.

So how do you improve your nutrient use efficiency? The easiest way is **SOURCE**.

# SOURCE<sup>®</sup>

provides:

**25 lbs**  
**NITROGEN**

&

**25 lbs**  
**PHOSPHORUS**

More  
**Cost-Effective**  
than Synthetic  
Nutrients

**Flexible**  
**Application**  
**Window**

**Tank Mix**  
**Compatible**

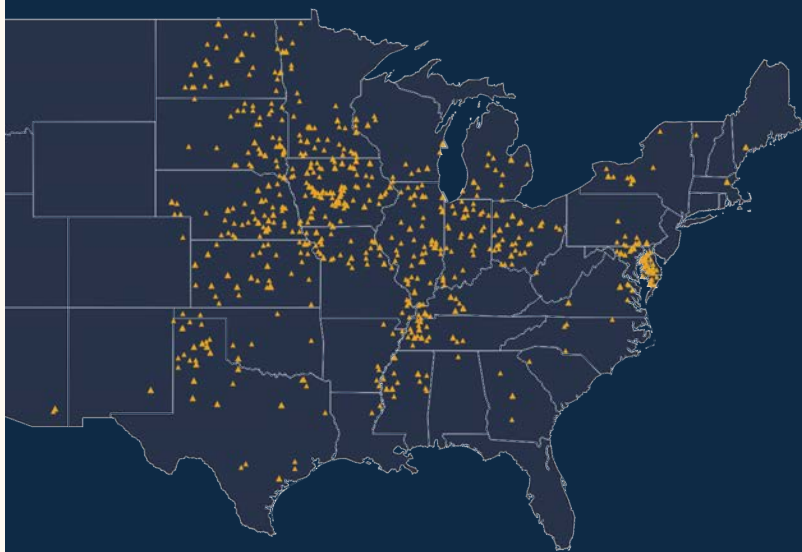
**Low Use**  
**Rate**

Shelf Stable for  
**2 Years**

SOURCE is a soil activator that gives crops access to a more efficient source of nitrogen and phosphorus. A foliar application of SOURCE provides 25 lbs of nitrogen and phosphorus per acre and enhances micronutrient uptake by stimulating beneficial microbes, and its performance is supported by a cash-back guarantee.



Optimized fertility for thousands of  
customers over millions of acres



“ Can visually see a difference with SOURCE. The crop continued to grow and was greener. I’ve never had corn stalks as big and strong as I did this year. I also didn’t see the runoff from the fields as much as in the past. ”

- Robert Henry, Brown County, KS

“ I applied SOURCE on our corn at VT and my fields did at least 1 lb better in test weight. There ended up being an average increase of about 8 bu/ ac. Next year we’ll be using SOURCE again, but we’ll be reducing our nitrogen. ”

- Larry Koberlein, Fayette County, IL



# Reliable Nutrients, Sound Data

## SOURCE Provides Nitrogen

### USE SOURCE TO REDUCE NITROGEN WHILE MAINTAINING YIELD

Using data from nearly 50 fields across grower and third-party trials, SOURCE consistently maintained yield when synthetic nitrogen was reduced by 25 lbs, optimizing nitrogen program costs for growers with NUE at 1 lb/bu or more.

**\$20/ac**  
Savings on N

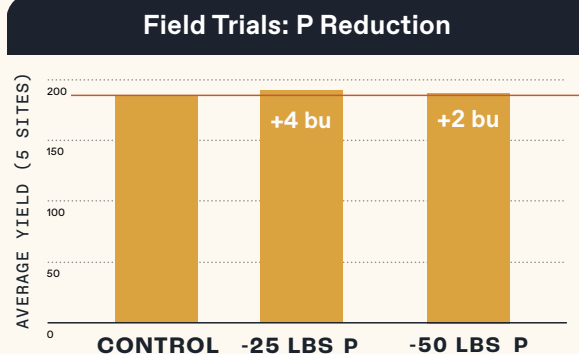
**↓ 25 lbs/ac**  
N reduction

**+0.6 bu/ac**  
Avg Yield Increase

## SOURCE Provides Phosphorus

### USE SOURCE TO UNLOCK UNUSED PHOSPHORUS IN YOUR SOIL

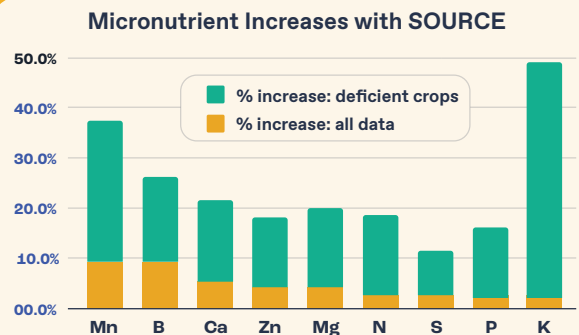
SOURCE allows growers to reduce phosphorus by 25 lbs while maintaining yield. This data shows strip trial results from multiple states across a range of P fertility programs.



## SOURCE Provides Micronutrients

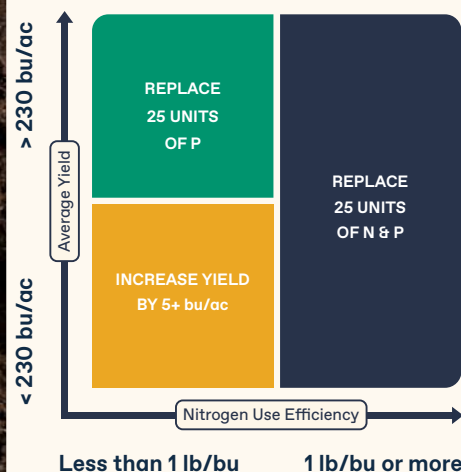
### USE SOURCE TO PREVENT MICRONUTRIENT DEFICIENCIES

Using data from 319 fields in 24 states, tissue tests across multiple seasons show that SOURCE helps improve micronutrient levels, especially where crops are experiencing nutrient stress.



## How to use SOURCE for the highest ROI

By using our Performance Optimizer tool, growers can improve profitability by determining how SOURCE will work best on their farm.



Visit [sound.ag/performance-optimizer](https://sound.ag/performance-optimizer) to try the Performance Optimizer for your fields.



## How SOURCE® works

SOURCE is a soil activator that lightens your synthetic fertilizer load and offers a more cost-effective source of nitrogen, phosphorus and micronutrients by stimulating existing microbes in your soil.

$N_2$

$N_2$

SOURCE

$NH_4^+$

### NITROGEN

Bacteria in the soil converts atmospheric nitrogen into a form the plant can use. When these bacteria sense abundant synthetic nitrogen, they become dormant, reducing the amount of nitrogen a plant receives from soil microbes throughout the season.

SOURCE reawakens the nitrogen-fixing bacteria, causing bacteria to work harder to increase nitrogen in the root zone.

### THE PLANT-MICROBE SIGNAL

Plants and microbes interact naturally, providing nutrients to each other—plants provide sugars, while microbes provide nitrogen and phosphorus. In modern agricultural systems, abundant application of synthetic nitrogen and phosphorus has made microbes less active.

SOURCE mimics a signal that reactivates the microbes, increasing their metabolism to produce more plant-available nitrogen and phosphorus throughout the season.

SOURCE

P

P

$H_2PO_4^-$

### PHOSPHORUS

Much of the phosphorus in soil is tied-up with minerals, making it unavailable. Microbes produce enzymes that break the phosphorus free for plants to access.

SOURCE activates microbes that convert phosphorus to an available form, giving plants more access to support growth and grain fill.



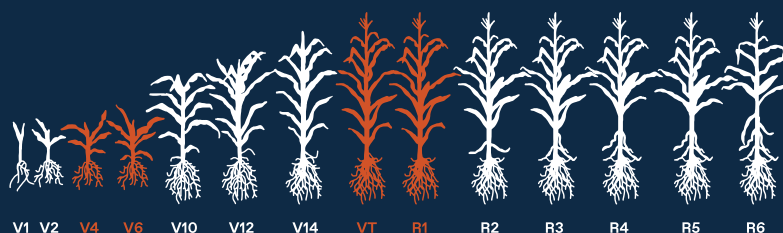
# Instructions

| SOURCE DC  | Use Rate (oz/ac) | Recommended Application   | Pack Size | Tank Mix Compatible With Herbicides and Fungicides |
|--|------------------|---|-----------|--|
|  CORN<br> COTTON<br> ALFALFA<br> GRASS HAY | 1.0              | Corn:<br><b>V4-V6, VT-R1</b><br>Cotton:<br><b>Squaring - Mid-bloom</b>                | 4 × 1 gal | ✓  |
| SOURCE XC  | 2.5              | Soybeans:<br><b>V4, R1-R3</b><br>Wheat:<br><b>Apply between tillering and heading</b> | 2 × 1 gal | ✓  |

Consult your Sound representative for other crop-specific recommendations

## Flexible Application Window

**Corn: V4-V6, VT-R1**



**Soybeans: V4, R1-R3**



**Cotton: Squaring to Mid-bloom**



| Advantages                                  | SOURCE | BIOLOGICALS | SYNTHETIC<br>N & P |
|---|--------|-------------|--------------------|
| Low Use Rate                                | ✓      | ✗           | ✗                  |
| 2-Year Shelf Life                           | ✓      | ✗           | ✓                  |
| No Extra<br>Equipment Required              | ✓      | ?           | ✓                  |
| Tank Mix Compatible                         | ✓      | ?           | ✓                  |
| No Leaching/<br>Volatilization              | ✓      | ✓           | ✗                  |
| Unlocks P                                   | ✓      | ✗           | ✗                  |
| Nutrients When Your<br>Crop Needs Them Most | ✓      | ✓           | ?                  |

“ I love the low usage rate and application compatibility, makes it incredibly easy. ”

- Trent M  
Renville County, MN



“ When I first used SOURCE in 2019, it was a seriously tough year. I went in with zero expectations. We ended up doing 10 bushels better that year. ”

- Brandon Hunnicut  
Hamilton County, NE





Don't take our word for it.



## Yield Performance GUARANTEE

When you buy and apply 500 ac of SOURCE, you will achieve a return on investment equal to or greater than the price of the product or we will refund the difference. Restrictions apply. See a Sound representative for full program details.

Optimize your bottom line  
with peace of mind.

## Fertilizer Replacement GUARANTEE

Limit risk when using SOURCE to replace nitrogen and phosphorus. For qualifying corn growers who buy and apply 4 gallons of SOURCE DC and reduce their synthetic inputs, you will maintain yield or we will reimburse you up to \$100 per acre. Restrictions apply. See a Sound representative for full program details.



Learn more about SOURCE  
[www.sound.ag](http://www.sound.ag) | [support@sound.ag](mailto:support@sound.ag) | [@sound\\_ag](https://twitter.com/sound_ag)

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**Sound** 