

# SOURCE<sup>®</sup>

It's time for a better SOURCE of crop nutrients.

Wake up your soil with SOURCE. It works with the microbes you've already got in your soil, and the equipment you already use, to give crops **access to more nitrogen and phosphorus**. Get more from your fields with SOURCE. It's like caffeine for microbes.

Sound 

Get in touch:

[www.sound.ag](http://www.sound.ag) | [source@sound.ag](mailto:source@sound.ag)



**SOURCE** is a foliar-applied biochemistry that wakes up soil microbes, providing access to more nitrogen and phosphorus. It activates nitrogen-fixing bacteria, which turn atmospheric nitrogen into a plant-available form, and phosphate solubilizing microbes, which liberate locked-up phosphorus to provide phosphate to the plant. **By increasing nutrient availability, SOURCE leads to higher yields and supports a reduction in fertilizer.**



## Hear it from our customers

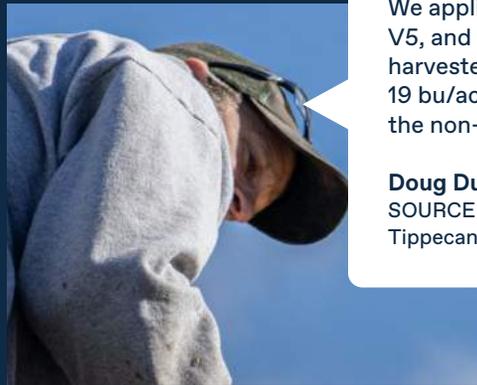
The stand was perfect in our fields that had SOURCE applied to them. That alone is worth its weight in gold for us.

**Ron Schroeder**  
SOURCE Grower  
Jackson County, IA



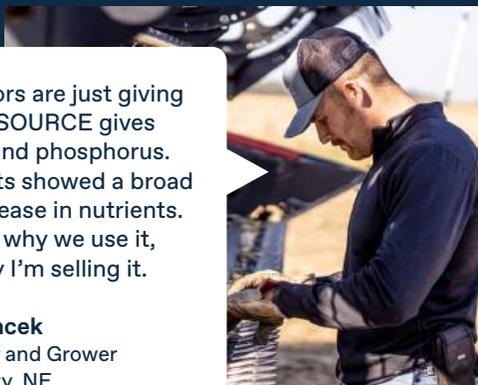
We applied SOURCE at V5, and when we harvested, we saw a 19 bu/acre increase over the non-treated plots.

**Doug Dunwoody**  
SOURCE Grower  
Tippecanoe County, IN



The competitors are just giving you nitrogen. SOURCE gives you nitrogen and phosphorus. Our tissue tests showed a broad spectrum increase in nutrients. It pays. That's why we use it, and that's why I'm selling it.

**Jordan Kremlacek**  
SOURCE Dealer and Grower  
Saunders County, NE



Last year I saw 12 out of 13 customers have bigger root mass with SOURCE. I know what benefit that can have to yield, so I was ready to go big at that point.

**Merlin Stoltzfus,**  
SOURCE Dealer  
Chester County, PA



# SOURCE<sup>®</sup>

Precision placement  
 **3X**  
 RETURN ON INVESTMENT

Target  
 **5-10+**  
 BU/AC UPLIFT

Or up to  
 **50 lbs**  
 NITROGEN REDUCTION  
 PER ACRE

Precision placement  
 **3X**  
 RETURN ON INVESTMENT

Target  
 **3+**  
 BU/AC UPLIFT

Consistent  
 Performance

Data-Driven  
 Placement

Compatible with  
 Crop Protection

Shelf Stable for  
 2+ Years

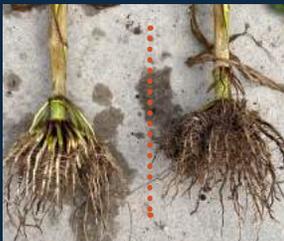
## More nutrient access leads to healthier plants

Nebraska



**SOURCE** Without

Iowa



**SOURCE** Without

Indiana



**SOURCE** Without

Ohio



**SOURCE** Without

### SOURCE INCREASES NITROGEN & PHOSPHORUS AVAILABILITY



**INCREASE  
 PHOSPHORUS  
 AVAILABILITY**



**INCREASE  
 NITROGEN  
 AVAILABILITY**

SOURCE stimulates a variety of microbes, creating an active soil microbiome that delivers N and P to your plants.

SOURCE takes the risk  
 out of nitrogen reduction.

**THIS** or **THAT**



Replace a 6,000 gallon tanker truck of  
 nitrogen with just 4 gallons of SOURCE.

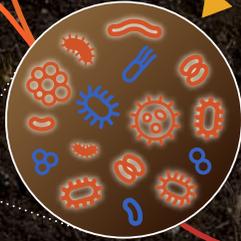
## How SOURCE works

SOURCE is a foliar-applied chemistry that increases plant-available nitrogen and phosphorus by activating microbes in the soil.

$N_2$

$N_2$

SOURCE



$NH_4^+$

### NITROGEN

Bacteria in the soil convert 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 nitrogen and phosphorus has made microbes less active.

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

SOURCE

P

P

$PO_4^{-3}$

### 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.



# THE RESULTS ARE IN FOR CORN

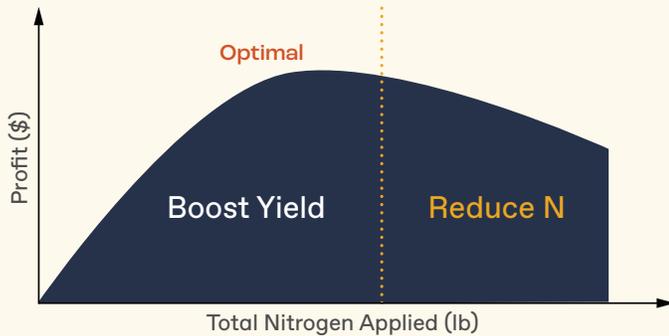
## CHOOSE HOW TO USE SOURCE TO GET A 3X ROI



5-10+  
bu/ac  
increase



up to  
50 lbs  
N reduction



There are two ways to maximize your ROI with SOURCE Corn. Because SOURCE makes N & P more available for your crop:

- Applying less than 1 unit of N/bu? Add SOURCE to your standard fertility plan and boost yield
- Apply more than 1 unit of N/bu? You may already have abundant N - consider reducing by 25-50 lbs and use SOURCE to maintain yield

## Nitrogen Reduction

### PRECISION PLANTING® IL

**+3.4**  
bu/ac  
AVG YIELD

**+15**  
N/ac  
SAVINGS

**+\$9.8**  
/ac  
INCOME

-15 lbs of N  
+ SOURCE  
vs Control @  
Standard N

With a 15 lb reduction in N, SOURCE had a 3.4 bu/ac higher yield compared to the standard rate of N without SOURCE.

### BECK'S HYBRIDS IN, OH, IL, KY, IA, MN

**+0.6**  
bu/ac  
AVG YIELD

**+25 lbs**  
N/ac  
SAVINGS

**80%**  
ROI  
WIN RATE

Across 2 years of PFR™ results SOURCE was able to match yield while reducing N vs the standard N control. Reducing 25 lbs along

with adding SOURCE led to a 0.6 bu/ac increase on average, delivering strong ROI through input cost reduction.

## Yield Boost

### KOVA IN, OH

**+11.7**  
bu/ac  
AVG YIELD

**3X**  
AVG ROI

SOURCE increased yield across all three locations versus the control, with an average increase of 11.7 bu/ac.

SOURCE vs Control @ Standard N Rate



### ADVANCED AGRILYTICS® IN, OH, IL

**+14.1**  
bu/a

**231.2**  
bu/a  
TREATED

**217.1**  
bu/a  
NOT TREATED

SOURCE had stronger yield impacts in environments that were lower in phosphorus. Fields with reduced nitrogen showed the greatest yield increases versus control.

SOURCE vs Control @ 170 lbs N  
SOURCE corn performance tested across 9 locations in IN, OH and IL

Consistent grower results from thousands of fields across the country

## SOURCE Expansion Crops

**SOURCE can now be used on a wide variety of crops.** Make sure your crops have the right nutrients, at the right time, in the right balance. By providing access to more N and P in-season, SOURCE helps your crop grow healthy and resilient, benefiting your operation by exceeding your historical yields, improving lint and biomass, and boosting quality.



Wheat



Cotton



Alfalfa



Hay



Corn



Soybeans

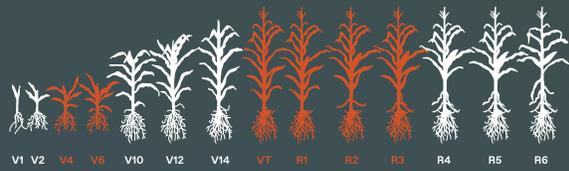


Don't take our word for it. Try our

## Performance GUARANTEE

SOURCE works and we stand behind that promise. When you buy and apply 4 gallons of SOURCE Corn (732 ac) or 10 gallons of SOURCE SC for your soybeans (512 ac), 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.

# Flexible Application Window



## Instructions

 **LOW USE RATE**

 **TANK MIX COMPATIBLE**

SOURCE	Use Rate (oz/ac)	Recommended Application	Pack Size	Tank Mix Compatible With Herbicides and Fungicides
<b>Corn</b> 	0.7	V4-V6, VT-R3	4 × 1 gal	X
<b>SC</b> 	2.5	V4, R1-R3	2 × 2.5 gal	X
<b>DC</b> 	1.0	Consult your Sound representative for crop-specific recommendations	4 × 1 gal	X

## Meet our Grower Advisory Council.



**Trey Hill:**  
Harborview Farms,  
MD

“I see the application of innovative technology like SOURCE as an on-ramp for more growers to drive scalable and affordable adoption of climate-friendly practices.”



**Kasey Bamberger:**  
Bryant  
Agriculture  
Enterprise, OH

“We liked using SOURCE because it was easy for our operators to apply - it went well with the other products we were already using, and we didn’t have to make another pass over the field because it has such a wide application window.”



**Brandon Hunnicutt:**  
Hunnicut  
Farms, NE

“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/acre better that year.”



**Kyle Mehmen:**  
MBS Family Farms,  
IA

“Sound’s targeted approach to application is really a testament to their integrity. They work with you to make sure you apply SOURCE where it will have a substantial impact.”



**Roric Paulman:**  
Paulman Farms,  
NE

“We started out with SOURCE like any farmer: with our arm out and resistant. Slowly we’ve expanded to using it on 1,500 acres and have seen a significant ROI.”



**Ryan Speer:**  
Jacob Farms,  
KS

“We used SOURCE on about 800 acres last season and our ROI was higher than anything stated in the literature. This time around we are ramping that up and applying on 1600 acres.”



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

© 2022 Sound Agriculture Company. All Rights Reserved. Always read and follow label instructions.

**Sound**