

# BETTER FERTILIZER EFFICIENCY WITH BETTER RESULTS



## Choose iNvigate® to Increase Your Crop Yields

iNvigate helps maintain a vigorous soil microbial community. Results may increase availability of nitrogen, phosphorus and potassium, improve fertilizer utilization and increase yields.

SmartCartridge® technology enables farmers to target challenged areas of their fields to mitigate plant stress and improve soil vigor.

## How iNvigate Helps Your Crop Thrive

iNvigate aids and may increase the microbial community when applied to the soil, assisting in nutrient availability and improving fertilizer efficiency. Count on iNvigate to:

- Free up nutrients bound to soil particles, so they become more available to the plant
- Allows plant roots to access previously unavailable nutrients
- Rejuvenate the soil by increasing soil organic matter and building a robust microbial community

## The iNvigate Difference

Our proprietary process includes co-fermentation, which establishes a robust consortium of naturally occurring aerobic and anaerobic microbes. This means iNvigate may benefit what you need for a successful harvest, including:

- Potential yield improvement
- Helps improve consistency across a wide variety of soil and growing conditions
- Aids performance in nutrient limiting and stressful environments such as drought and high heat



## RECOMMENDATION

### Corn

Type of Application	qt / A	Timing
Soil	1	At planting

### Soybeans

Type of Application	qt / A	Timing
Soil	1	At planting

*To learn more, contact your retailer or local AMVAC® representative.*

iNvigate can be applied in conjunction with other in-furrow treatments, including most fertilizers, micronutrients, fungicides, insecticides or herbicides. Please check with your local AMVAC representative for specific mixing questions.

**To Improve the Yield Potential of Your Crops,  
Add iNvigate to Your Program Today!**

See our entire line of products at [AMVAC.com](http://AMVAC.com)

## CONSIDERATIONS WHEN APPLYING INVIGORATE PRESCRIPTIVELY WITH SIMPAS®

**1**

Target fields prone  
to plant stresses

**2**

When developing a prescription,  
consider previous crop stresses  
and yield dips within the field.  
Target challenged soils where  
plant stresses tend to occur; areas  
with soil compaction, excessive  
pH, or wet soils

**3**

Consider using where  
known phosphorus  
nutrient tie-up occurs

## PROVEN PROFIT POTENTIAL

- In research conducted by the University of Illinois, an in-furrow application of phosphorous solubilizing bacteria (tested as iNvigate) at planting increased available phosphorous in the soil, which in turn elevated the amount of phosphorous accumulated in corn plants and increased corn yield.
- At a 60 lbs P2O5 per acre, iNvigate yielded **243 bu/acre**, an **increase of 16 bu/acre above the control**. Researchers observed increases in numbers of kernels per ear, and grain quality (as protein % content) was typically increased.

*L. Woodward, Master's Thesis, Univ. Illinois, 2020. His major professor is Fred Below, a world-renowned corn plant physiologist.*

