

# Facts From the Field

## ESN<sup>®</sup> Increases Yields in High-Yield Soybean Production

A multi-year Illinois study demonstrates how ESN can increase yields in high-yield soybean production. ESN's controlled nitrogen (N) release can provide additional N to soybean plants during flowering and pod set without inhibiting N fixation by nodules, resulting in higher yields. ESN protects N from loss inside its unique protective coating and supplies N to the crop when it is needed. The result is increased soybean yields and improved N-use efficiency.

Soybean plants need N throughout the growing season. Most N needed by the plant is produced, or fixed, in nodules on the roots. However, fixed N may not be sufficient for high-yield situations. By applying ESN sometime before flowering, additional N will be supplied during the peak demand period.

- In this Illinois study covering multiple locations over three years, ESN applied between planting but before flowering increased soybean yields by an average of 4.3 bu./ac. over the unfertilized check yield.
- Observed yield increases improved grower profit by almost \$10/ac. at recommended ESN rates.

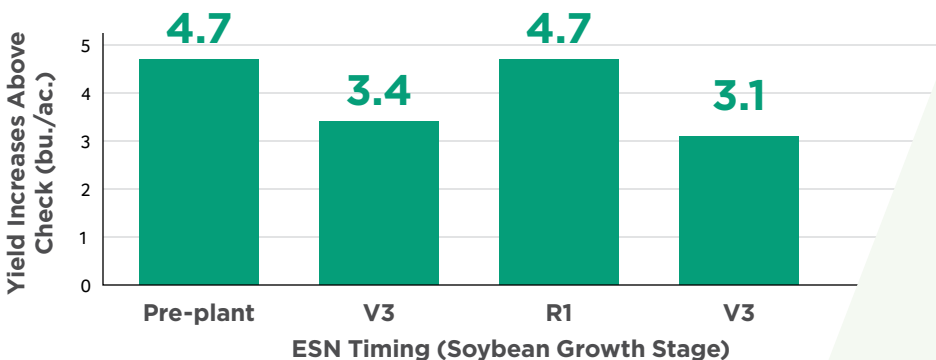


### ESN SMART NITROGEN

- Enhances nitrogen use efficiency
- Improves crop yield and quality
- Provides convenience through ease of use
- Environmentally responsible



### ESN Increases Illinois Soybean Yields



- Values are average yield increases above a 0-N check and for three locations in Illinois from 2013-2015 (9 total site-years)
- Average check yield was 71.4 bu./ac.
- ESN treatments were surface broadcast with no incorporation at 100 lb N/ac.
- Pre-plant, V3, and R1 yield increases are statistically significant

Source: Dr. F. Below, University of Illinois



Learn more about the industry's leading environmentally smart nitrogen at [www.SmartNitrogen.com](http://www.SmartNitrogen.com)

### HOW CAN WE HELP?

To make ESN a part of your nitrogen management program, contact an authorized retailer or ESN representative.

### FOR MORE INFORMATION:

[www.SmartNitrogen.com](http://www.SmartNitrogen.com)

### ESN REPRESENTATIVE: