

Facts From the Field

ESN[®] is Smart Nitrogen for Pre-Plant or Side-Dress Applications on Corn

ESN is the ideal nitrogen (N) source to protect against all loss mechanisms regardless of application timing and is particularly effective in high loss environments where stabilizers and other additives provide insufficient protection. ESN is especially effective in top-dress applications in providing extended feeding for the late-season needs of modern corn hybrids.

A four-year Missouri corn study demonstrates the advantage of protecting your N with ESN in both pre-plant and top- or side-dress applications.

- ESN was the best-performing N source for both pre-plant and top- or side-dress applications.
- For pre-plant applications, ESN produced **25 bu./ac. more than urea** and **11 bu./ac. more than UAN**, which translates to a **profit gain of \$58/ac. more than urea** and **almost \$20/ac. more than UAN**.
- For top-dress applications, ESN produced **19 bu./ac. more than urea** and **8 bu./ac. more than the standard dribble-band side-dress UAN**, which translates to a **profit gain of \$37/acre more than urea** and **\$7/ac. more than UAN**.

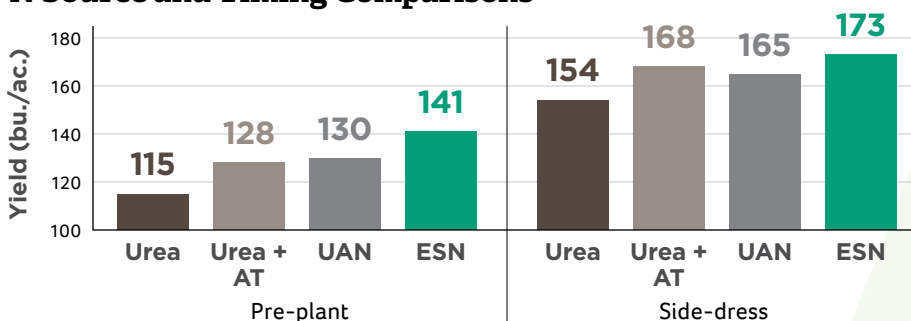


ESN SMART NITROGEN

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



N Source and Timing Comparisons



- All treatments applied at 150 lb N/ac.
- Dry fertilizers were broadcast with no incorporation, UAN applied as dribble band in alternate mid-rows
- Side-dress applications were applied at about V6 growth stage
- AT = Agrotain
- The following assumptions were used for profit calculations:
corn price = \$3.50/bu.; ESN price difference vs urea = \$0.20/lb N and vs UAN = \$0.15/lb N
- Study was conducted at Novelty, MO 2007-2010

Source: Dr. K. Nelson, University of Missouri

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

ESN REPRESENTATIVE:



Learn more about the industry's leading environmentally smart nitrogen at www.SmartNitrogen.com

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