ESN® SmartNitrogen

A *SMARTER* SOURCE OF NITROGEN, A *SMARTER* WAY TO GROW®

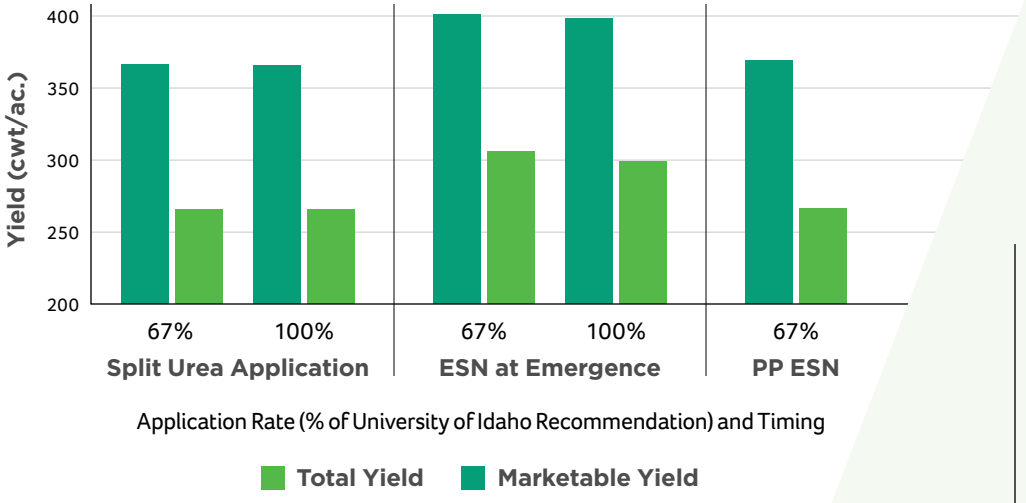
Facts From the Field

ESN® Replaces Multiple Applications

A 2006 Idaho study compared ESN applied at emergence or at planting with conventional urea in multiple applications. A single ESN application at emergence or at planting produced yields similar to or greater than multiple applications of urea. Split urea application is 50% of nitrogen (N) at emergence and 50% in three applications in season. ESN was broadcast and incorporated. The 100% rate is 200 lb N/ac. Fewer applications means savings of time, fuel, labor and equipment, saving the grower money while growing high-yielding, high-quality potato crops. ESN is indeed a more efficient N fertilizer.

FIGURE 1.

One ESN Application Increased Russet Burbank Yields Over Conventional Split Applications



- 2006 Idaho study
- Averages of three locations

Source: Dr. Bryan Hopkins, Brigham Young University

ESN SMART NITROGEN

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

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

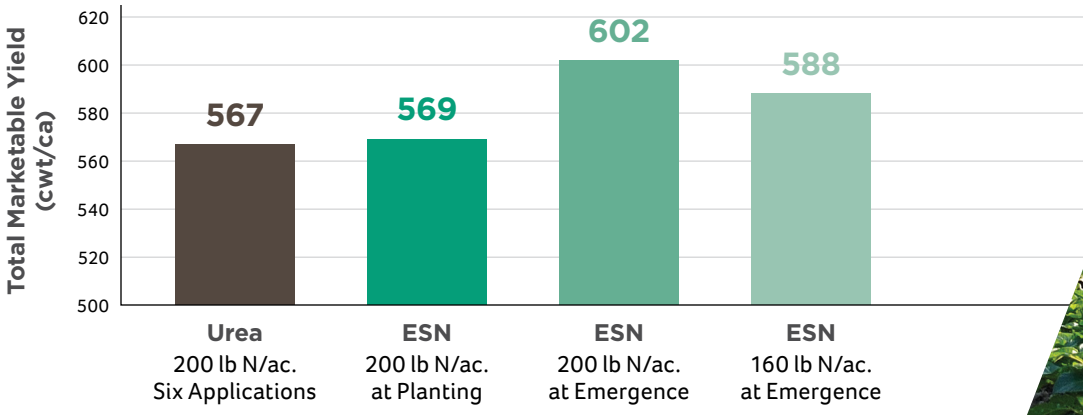
ESN REPRESENTATIVE:

ESN®
SmartNitrogen

Minnesota study compared ESN applied at emergence or at planting with multiple applications of conventional urea. As in the Idaho study, a single ESN application at emergence or at planting produced yields similar to or greater than multiple applications of urea. Split urea application included 100 lb N/ac. at emergence, 20 lb N/ac. at hilling, and four post-hilling applications of 20 lb N/ac. at approximately two week intervals. ESN was broadcast and incorporated. N rate shown includes 40 lb N/ac. at planting from DAP. Fewer applications means savings of time, fuel, labor and equipment, saving the grower money while growing high-yielding, high-quality potato crops. ESN is a smarter nitrogen fertilizer.

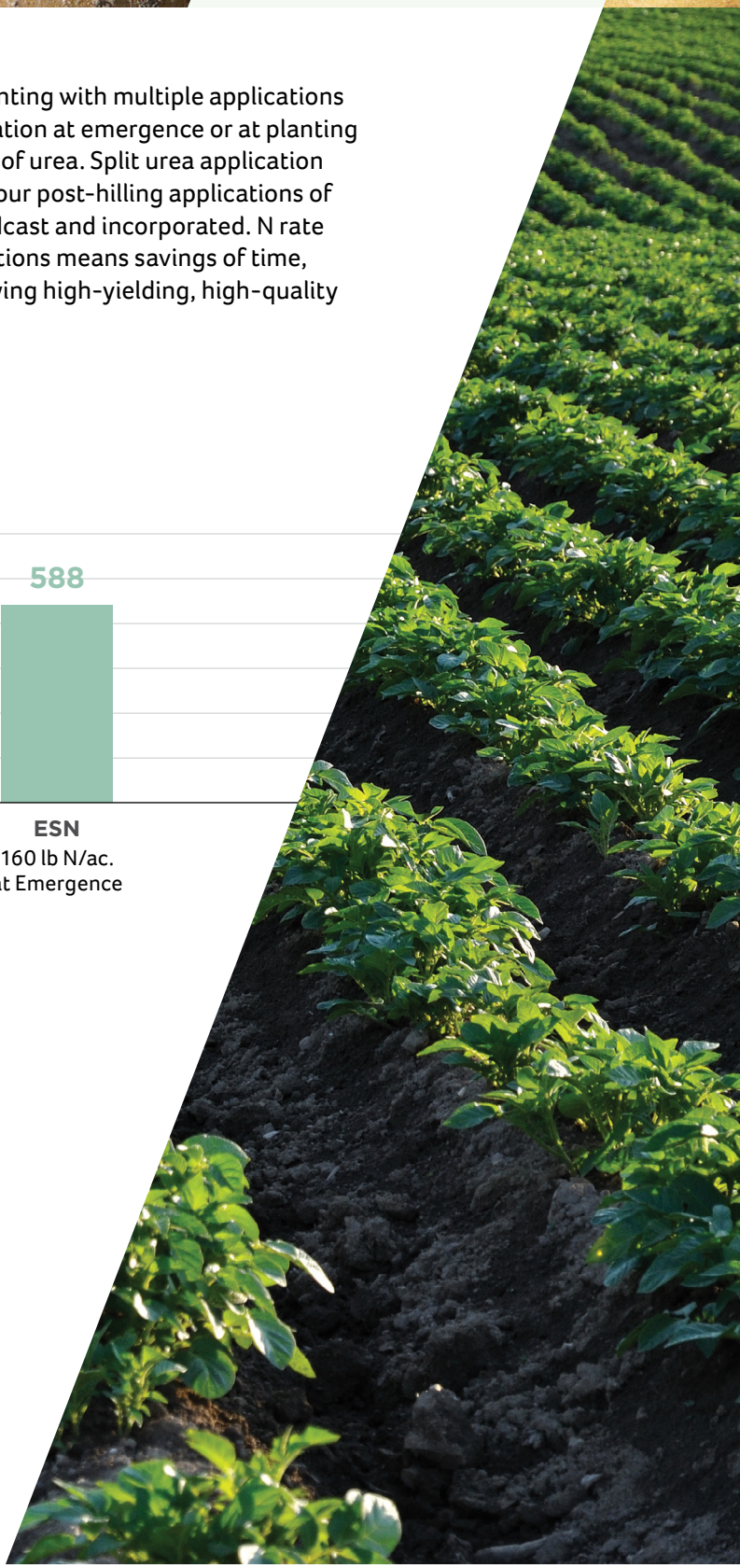
FIGURE 2.

ESN Increased Russet Burbank Yields Over Conventional Split Applications



- Multi-year Minnesota study
- Yields are averages of three years (2005-2007)

Source: Dr. Carl Rosen, University of Minnesota



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

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