

# Facts From the Field

## ESN<sup>®</sup> Is the Smart Nitrogen To Manage Early Season Vegetative Growth Barley

Research trials were conducted in northeast Saskatchewan (Melfort) by Agriculture and Agri-Food scientists to evaluate the use of ESN nitrogen (N) on the production of barley, as compared to urea N. Scientists compared rate, placement and time of application for the two N products.

Excessive early season N availability often leads to increased vegetative growth, increased lodging potential and reduced yield (“haying off”). ESN can be used to manage early season N availability, providing only what the crop requires at the time it is needed and protecting against N loss and reducing early season vegetative growth.

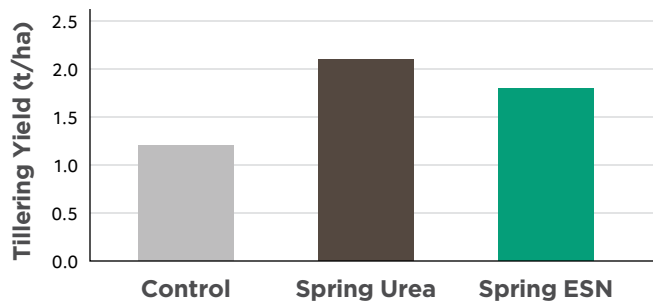


### ESN SMART NITROGEN

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

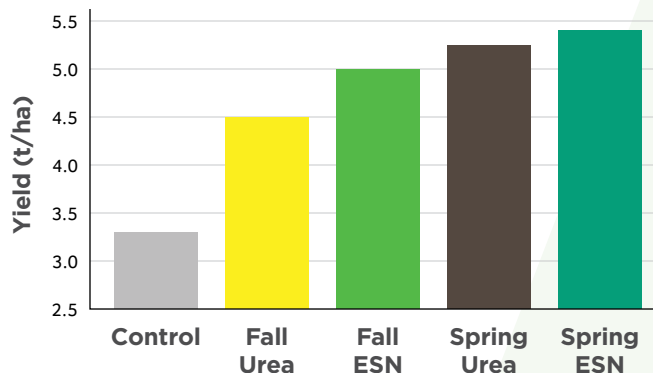
### Reduced Early Season Vegetative Growth, Higher End Yield

**FIGURE 1.** Early season vegetative growth was reduced when the N source applied was ESN.



### Barley Yield from Fall- and Spring-Applied ESN and Urea

**FIGURE 2.** Final barley yield was increased whether ESN was either fall or spring applied, as compared to urea.



### 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:



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