

# Facts From the Field

## NCSU Data Supports Use of ESN® Blends for Top-Dressing Wheat

North Carolina State University Extension research shows that ESN blends applied as a top-dress on wheat clearly provide increased yield and improved ROI for producers. The ESN blend application out-yielded the grower standard UAN treatment and reinforces that ESN blended with a soluble nitrogen (N) source is the superior choice for late-season top-dress applications.

- The ESN blend application increased wheat yields by 3.5 bu./ac. over the UAN application.
- At current prices of \$8.00/bu., profit increase from ESN blend is \$10/ac. more than UAN.
- Using historical wheat prices, the ESN + soluble N blend consistently generated a greater return on investment than UAN for wheat top-dress.

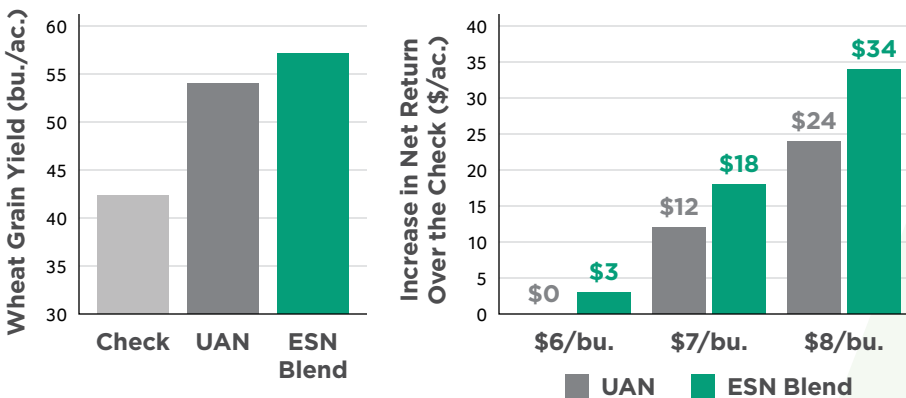


### ESN SMART NITROGEN

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



### ESN Blend Increases Wheat Yields and Profits



- All top-dress applications received 120 lb total N
- ESN blend consists of 84 lb N/ac. as ESN with 36 lb N/ac. as ammonium sulfate
- Profit increase is shown for wheat prices of \$6.00 to \$8.00/bu. and is calculated using a \$5/ac. application cost for the UAN and ESN blend applications
- All applications were applied March 9, 2010
- Wheat variety was Pioneer 26R12, and it was planted on November 5, 2009

### 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)