

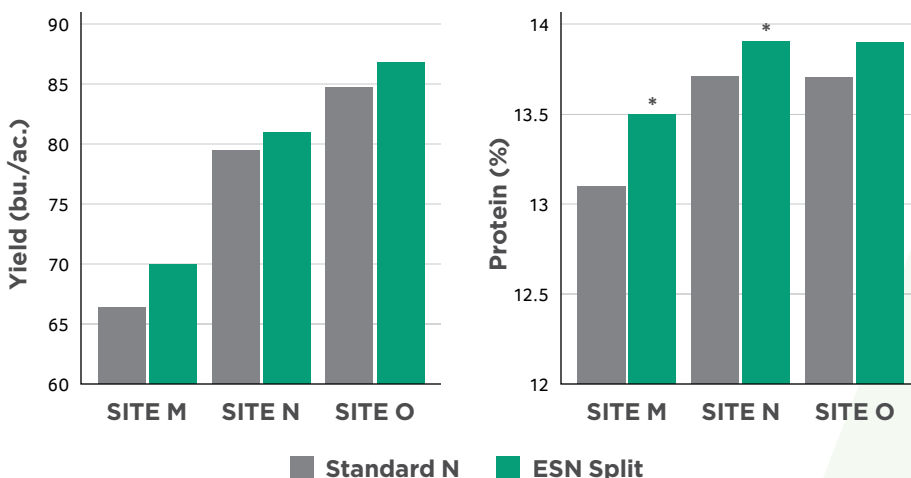
Facts From the Field

ESN[®] Can Significantly Increase Protein for Hard Red Spring Wheat

Traditional nitrogen (N) management practices may be inadequate to fulfill both yield and protein potential of recently introduced high-yielding hard red spring wheat varieties. ESN was part of recent on-farm testing in Manitoba to determine the effects on yield and protein levels. Tests were based on use of grower standard N practice as compared to blends of ESN with urea, either side band or seedrow applied.

On-Farm Trial

- Controlled release N (ESN 44-0-0) was applied as a proportion of the standard source N rate at seeding.
- SITE M** = Midrow band 160 lb N/ac. as NH₃ vs mid – row band 100 N/ac. plus 60 lb N/ac. as seedplaced ESN.
- SITE N** = Side band 130 lb N/ac. as urea vs. a 50:50 ESN:urea side-band blend for 130 lb N/ac.
- SITE O** = Side band 98 lb N/ac. as UAN vs 50:50 ESN:urea seedrow blend for 98 lb N/ac.



- Wheat protein response to a portion of N as ESN (*over columns indicates a significant difference at the 10% probability level)
- ESN increased protein significantly by 0.2 and 0.4 percentage points at two of the three sites

Source: John Heard¹, Brunel Sabourin², Amir Farooq³ and Lori-Ann Kaminski⁴
¹(Manitoba Agriculture, Carman, MB, Canada, ²Antara Research, ³Manitoba Wheat and Barley Growers Assoc.)



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:



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

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