

Facts From the Field

Yield of Winter Wheat Grown Under Varying Nitrogen Management Strategies in Northern Ontario

A winter wheat study was conducted in Thunder Bay, Ontario, from 2012-2015. Nitrogen (N) fertilizer was applied either as urea or ESN (both fall applied) or as urea split between fall (one-third of total N application) and spring (two-thirds of N application).

Yields and protein are means of the three years (2013-15) and three N rates (50, 100, 150 lb N/ac.). Profit calculations assume: wheat price = \$4/bu.; ESN premium over urea of \$0.15/ lb N; application cost of \$7/ac. and average N rate of 100 lb N/ac. Profit includes saving of one application at \$7/ac. Profit calculation does not include any protein premiums or discounts. A one-time fall application of ESN out-yielded both the fall urea and fall/spring split urea treatments and provided increased protein.

ESN provides an economical, labor-saving, one-time N management option, precluding the need for spring top-dressing while increasing both yield and protein.

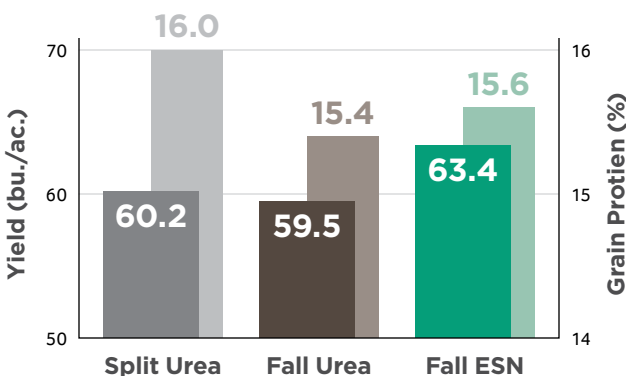


ESN SMART NITROGEN

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



Fall ESN: Smart N Management for Winter Wheat



Source: Dr. T. Sahota, Thunder Bay Agric. Res. Sta.

ONE-TIME FALL ESN

- \$5/ac. more profit than split urea
- Greater grain protein
- One-time application
- High yields
- High grain protein

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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