

Facts From the Field

ESN[®] Is the Smart Nitrogen To Maximize Canola Production on the Canadian Prairies

Research trials were conducted by Agriculture and Agri-Food Canada scientists in collaboration with provincial government researchers at sites across Manitoba, Saskatchewan and Alberta. Research trials ran at various locations between 2004 and 2010 to assess the use of ESN – nitrogen (N) as compared to urea – N.

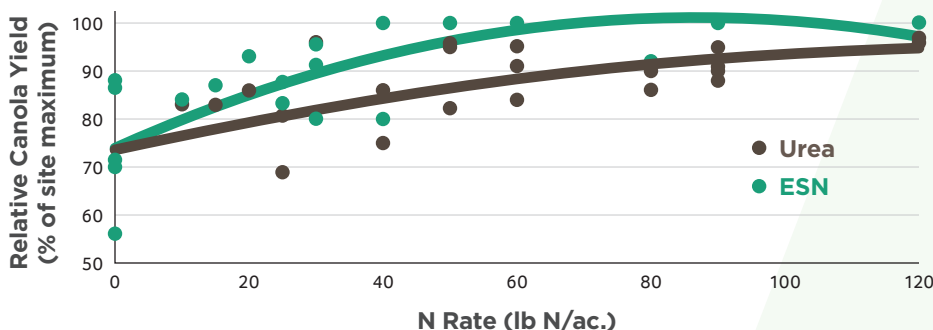
Comparisons were made at the same rate, timing and placement for each N product. Results indicated yields were maximized when ESN was the applied N source and there were trends at some sites in some years for greater oil content (data not shown). Additionally, measurements indicated no differences in maturity or green seed (chlorophyll content) number.

The information shown represents only treatments that were spring applied; there were larger yield differentials favoring ESN, when ESN was compared to fall band applied urea.

The figure presented allows for a relative yield comparison of ESN and urea across all sites and all years. ESN yield is compared to urea yield, relative to the site treatment maximum yield in each year.

On average, across all sites and years (varying environments, soil types/ textures and growing season weather, etc.), canola yields were increased between 8% and 10% when ESN was the N source applied. ESN provided available and protected N all season long for full canola development.

Spring Applied ESN Relative to Spring Applied Urea



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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