



Application and Use Recommendations Canola



These are general use recommendations based on optimal growing conditions. Knowledge of local conditions and grower production or yield goals should be considered to modify or blend to achieve best results.



A **SMARTER** SOURCE OF NITROGEN. A **SMARTER** WAY TO GROW.*

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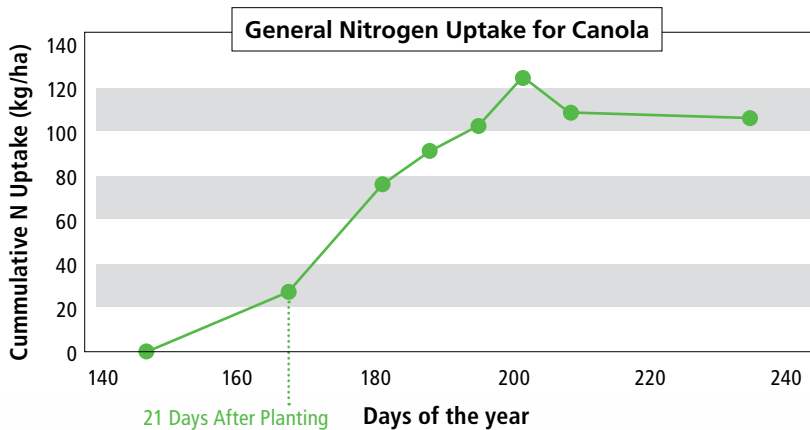
Agrium Advanced Technologies (AAT) is a strategic business unit of Agrium Inc. AAT produces and markets controlled-release nutrients, micronutrients and plant protection products for sale to the agricultural, professional turf and ornamental markets primarily in North America.

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ESN has been shown to increase canola yield an average of 8-10% compared with similar nitrogen treatments of urea/UAN, with 50-75% nitrogen

ESN can be safely applied up to 3X the rate of conventional nitrogen



Application Recommendations

Too much early season N in canola can:

- encourage lodging;
- deplete soil moisture;
- leave less N for seed production

Apply ESN at or before seeding at 50-75% of the total N requirements with the balance as a readily available N source

- ▶ Fall Application
 - Fall applied ESN remains partly encapsulated in the urea form, or in the ammonium N form, heading into soil freeze-up
 - About 35-50% of ESN-N can be released over a 60-day time period, as soil temperatures drop from 10°C-0°C
- ▶ Spring Application
 - ESN applied at seeding can release about 35-50% of its N within the first 25-30 days after application
 - ESN blends well with other granular fertilizers, and blends of ESN with urea and/or ammonium sulphate can be used to “build” a programmed N release to match crop N demand with regional environmental conditions
 - For northern geographies, ESN applied by itself may not release enough N in the time for crop uptake demand

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ESN is the only controlled-release nitrogen designed for agriculture that delivers a significant return on investment through increased nitrogen efficiency.

