

eNtrench NXTGEN™

Optinyte™ technology

NITROGEN STABILIZER

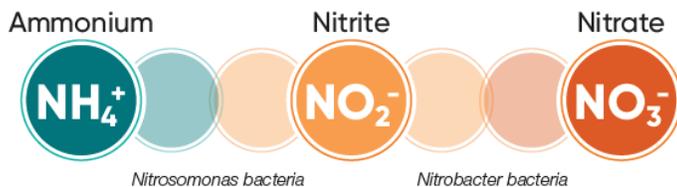
Maximize yield and minimize loss with an enhanced formulation

Key features

- Encapsulated nitrogen stabilizer
- Optimizes yield potential when used with UAN, urea and liquid manure
- Water based and mixes well with UAN solutions fertilizer
- Enhanced cold temperature handling and tank-mix compatibility from previous formulations

How does eNtrench NXTGEN™ nitrogen stabilizer work?

Crops use nitrogen in two forms: ammonium (NH_4^+) and nitrate (NO_3^-). But it prefers ammonium – because that form is easier for the plant to absorb and less susceptible to loss. eNtrench NXTGEN™ nitrogen stabilizer, powered by Optinyte™ technology, slows down the Nitrosomonas bacteria that convert ammonium to nitrate, keeping nitrogen in the ammonium form longer. It works underground, where up to 70 percent of nitrogen loss can occur through leaching into the ground or denitrification into the atmosphere.



Mixing

eNtrench NXTGEN can be tank-mixed with the following fertilizers:

- UAN (such as 28% and 32%)
- Urea
- Liquid manure

Benefits

When using eNtrench NXTGEN for UAN, urea and liquid manure, you will benefit from:

- 6 to 8 more weeks of nitrogen availability in the soil
- 51% fewer greenhouse gas emissions¹
- 16% less nitrogen leaching¹
- 28% greater soil retention¹

¹ Wolt, J.D. 2004. A meta-analysis of nitrapyrin agronomic and environmental effectiveness with emphasis on corn production in the midwestern USA. doi:10.1023/B:FRES.0000025287.52565.99

² Based on Corteva Agriscience Canada research trials.

RATE AND PACKAGING

- Application rate: 0.71 L/ac
- A case (2 x 9.94 L) treats 28 acres
 - A tote (454.4 L) treats 640 acres

Stronger, healthier plants

On average, eNtrench NXTGEN increases yield potential by:

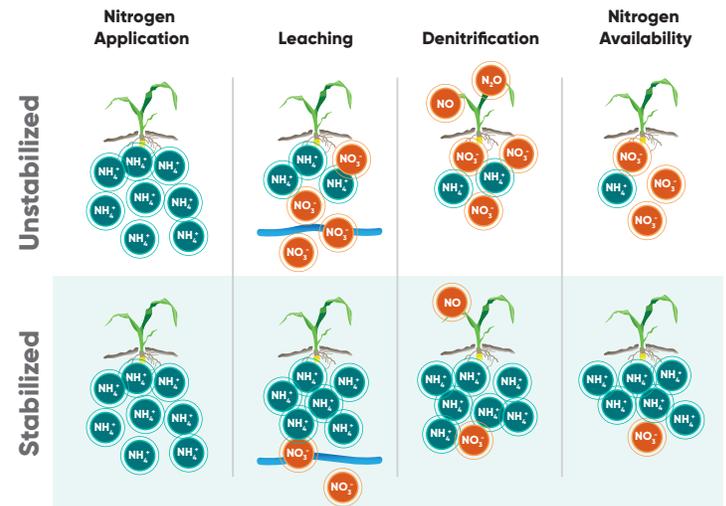
- 8% in canola²
- 7% in corn¹
- 6% in wheat²

When do nitrogen losses occur?

Most nitrogen losses occur during the spring:

- Spring rains and warm soil temperatures lead to heavy losses through both leaching and denitrification
- Stabilizing with eNtrench NXTGEN greatly reduces both leaching and denitrification by protecting nitrogen in the root zone

What happens to unstabilized nitrogen?



For more information about eNtrench NXTGEN visit NitrogenStabilizers.corteva.ca or contact your local Corteva Agriscience™ territory manager.