N-Serve®

Optinyte™ technology

NITROGEN STABILIZER

Protects nitrogen at the root zone

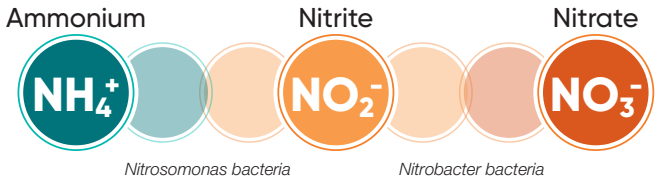


Key features

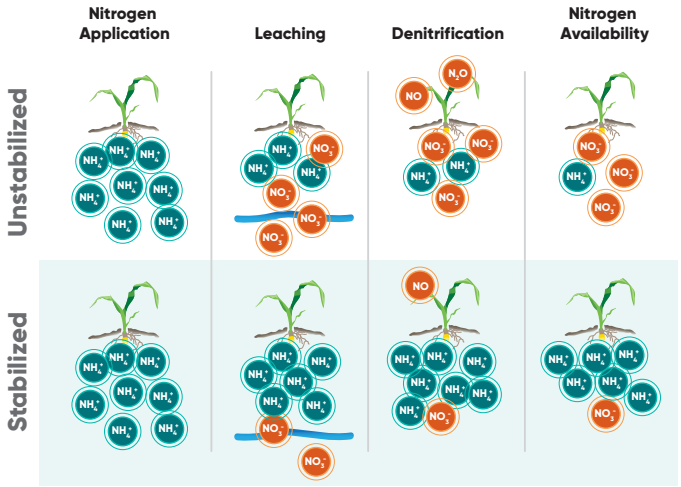
- Oil based formulation that mixes well with anhydrous ammonia
- Optimizes yield potential when used with anhydrous ammonia
- Proven and trusted technology for over 40 years

How does N-Serve® 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. N-Serve® 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.



What happens to unstabilized nitrogen?



Recommended application rates per acre*

Fall	Spring pre-emerge	Sidedress
1 qt.	1 qt.	0.5 - 1 qt.

*See label for specific rate details and restrictions.

Stronger, healthier plants

- Increased yield potential
- More natural crop drydown
- Increased grain test weight

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 N-Serve greatly reduces both leaching and denitrification by protecting nitrogen in the root zone

Benefits

When using N-Serve with anhydrous ammonia applications, farmers and retailers will benefit from:

- 6 to 8 more weeks of nitrogen availability in the soil
- 51% fewer greenhouse gas emissions*
- 16% less nitrogen leaching*
- 28% greater soil retention*

For more information about N-Serve nitrogen stabilizer visit **NitrogenMaximizers.com**, call 800-258-3033 or contact your local Corteva Agriscience territory manager.

*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.

Visit us at **corteva.us**

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This reference guide is not intended as a substitute for the product label for the product(s) referenced herein. Product labels for the above product(s) contain important precautions, directions for use, and product warranty and liability limitations, which must be read before using the product(s). Applicators must be in possession of the product label(s) at the time of application. Always read and follow all label direction and precautions for use when using any pesticide alone or in tank-mix combinations.

Do not fall-apply anhydrous ammonia south of Highway 16 in the state of Illinois. Always read and follow label directions. ©2020 Corteva. CA01-011-022 v2 COR (03/20)

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