N-Serve®

Optinyte™ technology

NITROGEN STABILIZER

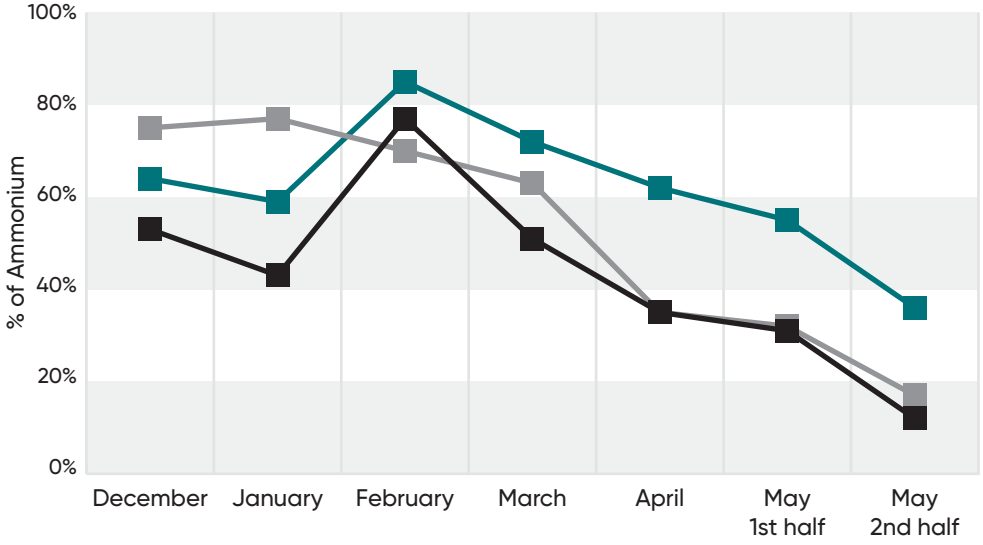
Fall-Applied Data Summary

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. Powered by Optinyte® technology, N-Serve® nitrogen maximizer slows down the Nitrosomonas bacteria that convert ammonium to nitrate, keeping nitrogen in the ammonium form longer. It works underground, where up to 70% of nitrogen loss can occur through leaching into the ground or denitrification into the atmosphere.

Across 6 months and higher-than-average rainfall in 10 trial locations, N-Serve maintained a higher amount of nitrogen in the ammonium form compared to competitors in similar conditions. Fall nitrogen stabilization protects nitrogen in the fall and in the spring.

2023 - 24 Fall N-Serve Trials | Average Fall Trial Soil Data | 10 sites



An average of 36% of Nitrogen was still available in the ammonium form in the second half of May in soils where fall-applied N was stabilized with N-Serve.

- N-Serve
- Centuro
- Other Competitors

Samples depicted in data above were taken across 10 sites across Iowa and Illinois. Each dot represents the average across the 10 sites. The Nitrogen and Nitrogen Stabilizer applications occurred in Fall 2023 prior to samples beginning to be taken.

For more information on N-Serve, please contact your local Corteva Agriscience territory manager or call **800-258-3033**.

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