

# 2024 On-farm Trials Show Season-long Nitrogen Availability

Trials show positive results with N-Serve® nitrogen stabilizer and Instinct NXTGEN® nitrogen stabilizer.

## 2024 AVG. YIELD RESULTS FOR FALL-APPLIED N-SERVE:

# +4 bu./A

advantage compared with fields treated with Centuro nitrification inhibitor

# +\$16/A (at \$4 bu./A)

N-Serve keeps nitrogen in the corn root zone for longer periods of time to protect against nitrogen losses.

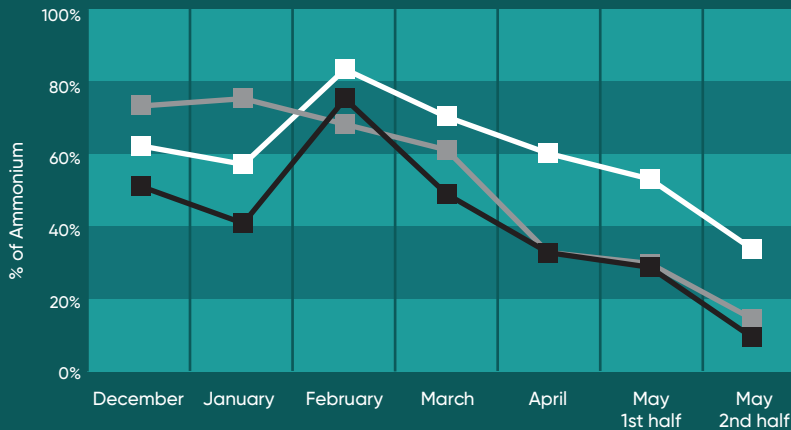


## FALL

**KEY FINDINGS** Fields treated with N-Serve in fall 2023 showed:

**19%** more nitrogen in the ammonium form than untreated samples

**24%** more nitrogen in the ammonium form than fields treated with Centuro nitrification inhibitor



## 2023-24 Fall Trials of N-Serve® Nitrogen Stabilizer

—■— 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.

## WHY IS IT IMPORTANT TO KEEP N IN THE AMMONIUM FORM?

Nitrogen in the ammonium form does not move in the soil, but nitrogen in the nitrate form readily leaches. The longer nitrogen stays in the ammonium form during the growing season, the less susceptible it is to leaching losses and, therefore, the greater opportunity the plant has to maximize nitrogen use efficiency and increase yield potential. Stabilization with Instinct NXTGEN and N-Serve helps maintain **more** total nitrogen in the soil and **higher** levels of available ammonium compared to untreated.

STABLE  
**NH<sub>4</sub><sup>+</sup>**

UNSTABLE  
**NO<sub>3</sub><sup>-</sup>**

## View more data

[NitrogenStabilizers.com](https://NitrogenStabilizers.com)

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### N-Serve®

Optinyte™ technology

NITROGEN STABILIZER

### Instinct NXTGEN®

Optinyte™ technology

NITROGEN STABILIZER

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**N-Serve®**  
Optinyte® technology  
NITROGEN STABILIZER

**Instinct NXTGEN®**  
Optinyte® technology  
NITROGEN STABILIZER

**PREPLANT**

## SPRING 2024

Fields treated with Instinct NXTGEN® or N-Serve® nitrogen stabilizer at preplant showed:

**11%**  
more nitrogen in the ammonium form than untreated samples

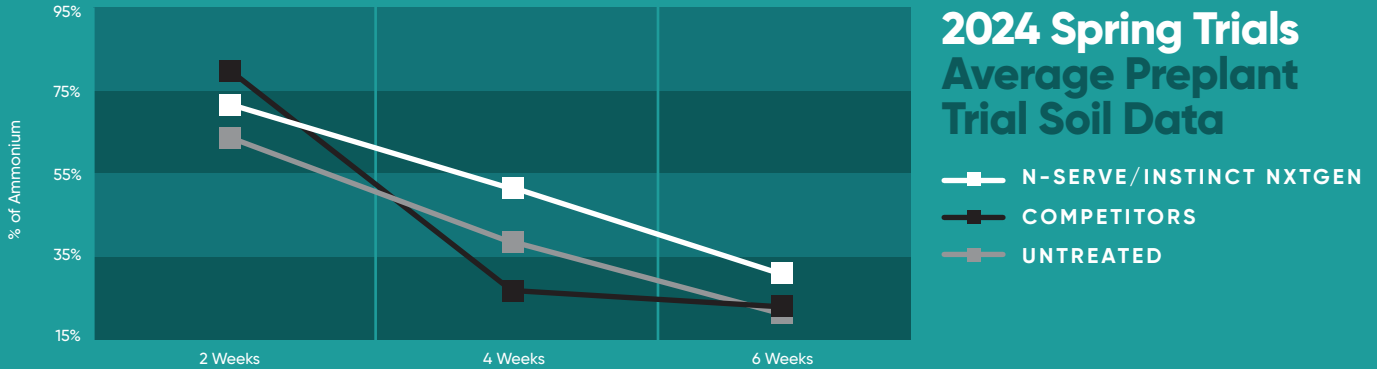
**12%**  
more nitrogen in the ammonium form than fields treated with competitor products

## 2024 AVG. YIELD RESULTS:

**+8 bu./A**

advantage compared with untreated samples

**+\$32/A (at \$4 bu./A)**



## 2024 Spring Trials Average Preplant Trial Soil Data

—■— N-SERVE/INSTINCT NXTGEN  
—■— COMPETITORS  
—■— UNTREATED

**SIDEDRESS**

## SPRING 2024

Fields treated with Instinct NXTGEN or N-Serve at sidedress showed:

**11%**  
more nitrogen in the ammonium form than untreated samples

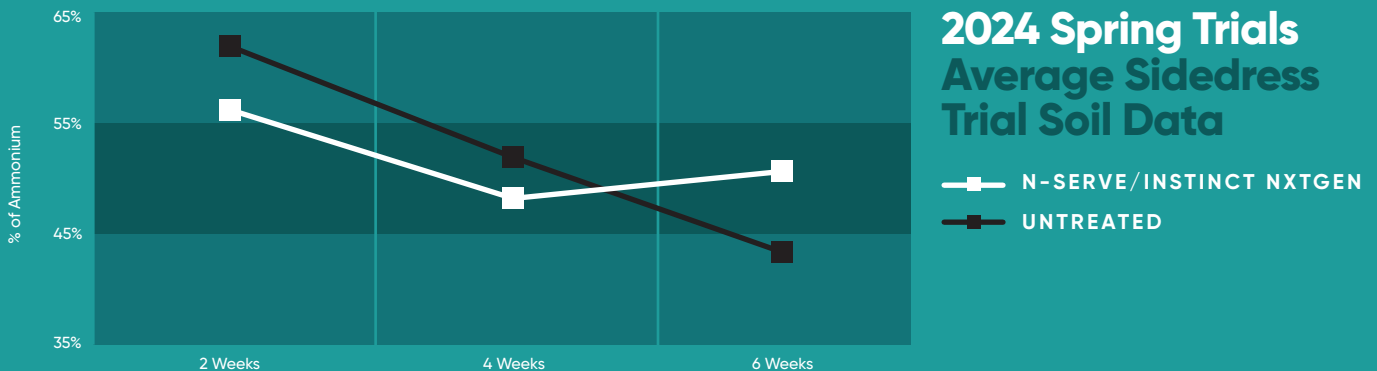
**12%**  
more nitrogen in the ammonium form than fields treated with competitor products

## 2024 AVG. YIELD RESULTS:

**+5 bu./A**

advantage compared with untreated samples

**+\$20/A (at \$4 bu./A)**



## 2024 Spring Trials Average Sidedress Trial Soil Data

—■— N-SERVE/INSTINCT NXTGEN  
—■— UNTREATED

Contact your local Corteva Agriscience representative or visit [NitrogenStabilizers.com](https://NitrogenStabilizers.com) for more data proving the protection offered by Instinct NXTGEN and N-Serve nitrogen stabilizers.

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