

## PLANT NUTRIENTS

# AdvanSix Sulf-N® Ammonium Sulfate

## The Ammonium Advantage

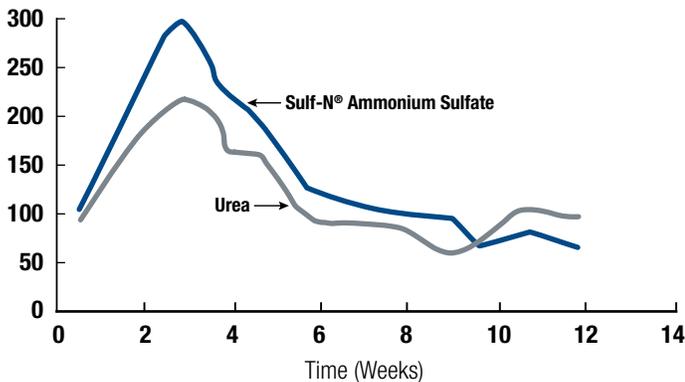
First, scientists learned that plant roots take up nitrogen in the nitrate form. Later, they discovered that roots can also take up the ammonium form. Now, they have identified benefits that make ammonium the preferred form of nitrogen.

At AdvanSix, we call this the “ammonium advantage.” It’s what makes Sulf-N® ammonium sulfate a fast-acting and long-lasting soluble nitrogen fertilizer.

**Fast green-up.** The ammonium form of nitrogen in Sulf-N® ammonium sulfate is readily available for root up-take. It consistently scores high marks for turf color and quality.

## Superior Color with Sulf-N® Ammonium Sulfate on Bentgrass, 2005, University of Wisconsin

Increase in Chlorophyll Indices Over Control



New research confirms studies that demonstrate superior turf color from application of ammonium sulfate versus urea and other N sources.

**Long-lasting color.** Sulf-N® fertilizers resist environmental nitrogen loss from volatilization, leaching and denitrification, which extends its window of availability in the root zone.

**Nutrient synergy.** Sulf-N® fertilizers acidify the root zone, which increases solubility and uptake of phosphorus, iron and manganese.

**Sulfur bonus.** Every 100 pounds of Sulf-N® ammonium sulfate gives you 24 pounds of plant-available sulfate sulfur. Together, nitrogen and sulfur fuel growth and produce a lush, darker green that can distinguish ammonium sulfate from other turf fertilizers.

## Ammonium Is the Preferred Form of Nitrogen

	Nitrate (NO <sub>3</sub> <sup>-</sup> )	Ammonium (NH <sub>4</sub> <sup>+</sup> )
Plant Available	Yes	Yes
Resists Denitrification	No	Yes
Resists Leaching	No	Yes
Enhances P Uptake	No	Yes
Enhances Micronutrient Uptake	No	Yes

### Contact AdvanSix

To learn more about the benefits of Sulf-N® Ammonium Sulfate, visit [AdvanSix.com](http://AdvanSix.com) or [SulfN.com](http://SulfN.com) or call: **1-844-890-8949** (toll free, U.S./Can.) **+1-973-526-1800** (international)

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September 2019-4. Printed in U.S.A.  
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