

## PLANT NUTRIENTS

# AdvanSix Sulf-N® Ammonium Sulfate

## Growth Response and Color Enhancement of Ammonium Sulfate vs. Urea - Bermudagrass

### Objective

Compare growth response and color enhancement from ammonium sulfate versus urea by measuring clippings (growth response) and chlorophyll levels (color enhancement) following application of ammonium sulfate and urea.

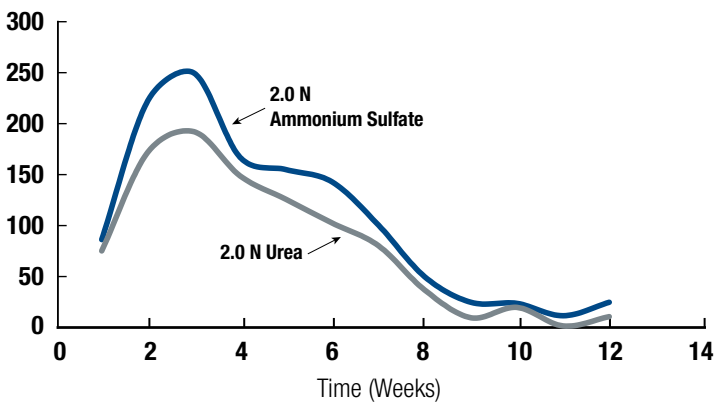
### Method

Apply ammonium sulfate and urea at nitrogen rates of two pounds per 1000 ft<sup>2</sup> in single and split applications on hybrid bermudagrass in Ohio. Monitor for 12 weeks.

### Key Findings

#### Color Enhancement of Ammonium Sulfate over Urea on Bermudagrass Turf

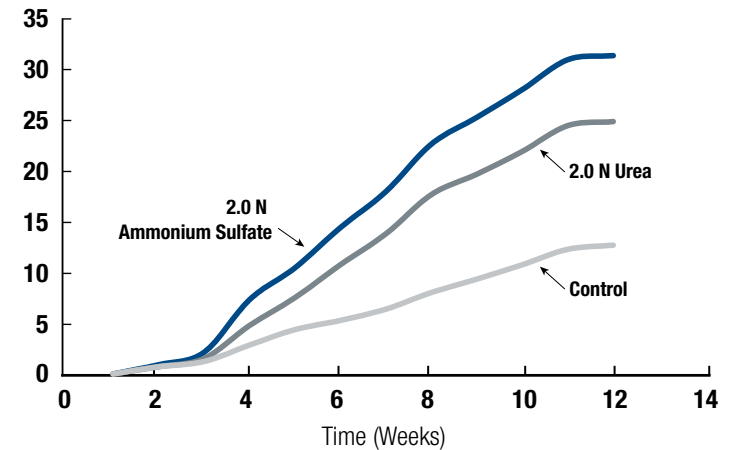
Increase in Chlorophyll Indices Over Control



Source: Warren D. Davenport, PAT<sup>®</sup> Horticultural Research Services, Inc. 2005.

#### Response of Bermudagrass Turf to Urea and Ammonium Sulfate

Cumulative Clippings Dry Wt. (lbs/M)



Source: Warren D. Davenport, PAT<sup>®</sup> Horticultural Research Services, Inc. 2005.

### Conclusions

- Growth response to ammonium sulfate was statistically superior to urea from the fourth through 12th week after application.
- Color enhancement from ammonium sulfate was statistically superior to urea from second through fourth week after application, with a consistently superior trend from fifth through 12th week after application.

### 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)

**AdvanSix**  
300 Kimball Drive, Suite 101  
Parsippany, NJ 07054

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May 2018-4, Printed in U.S.A.  
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