BULLETIN

PLANT NUTRIENTS

AdvanSix Sulf-N® Ammonium Sulfate

Nitrogen Efficiency and Color Enhancement of Ammonium Sulfate vs. Urea - Bentgrass

Objective

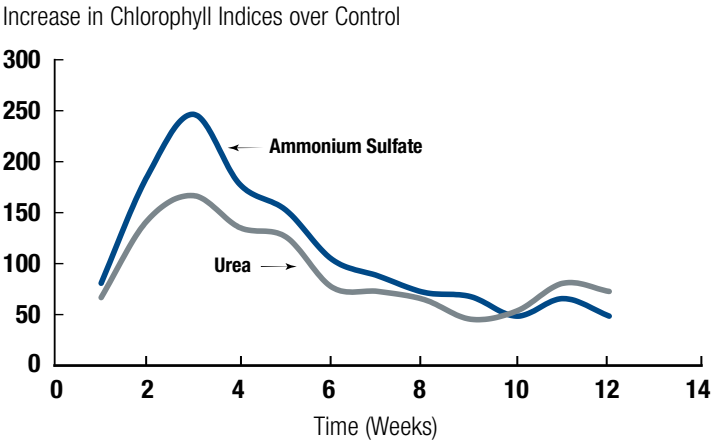
Compare nitrogen efficiency and performance of ammonium sulfate versus urea by measuring growth response (clippings), color enhancement (chlorophyll levels) and nitrogen concentration in clippings.

Method

Apply ammonium sulfate and urea at nitrogen rates of two pounds per 1000 ft^2 in single and split applications on bentgrass fairways in Wisconsin. Monitor for 12 weeks.

Key Findings

Color Enhancement of Ammonium Sulfate Over Urea on Bentgrass Fairway Turf



Source: Wayne Kussow. University of Wisconsin. 2005

Conclusions

Growth response to ammonium sulfate was statistically superior to urea from the second through 12th week after application.

- Color enhancement from ammonium sulfate was statistically superior to urea from the second through fourth week after application, with a consistently superior trend from the fifth through 10th week after application.
- Nitrogen concentrations in clippings were significantly higher with ammonium sulfate versus urea at the second and sixth weeks after application, suggesting better nitrogen uptake and efficiency from ammonium sulfate.

Contact AdvanSix
To learn more about the benefits of Sulf-N® Ammonium Sulfate, visit **AdvanSix.com** or **SulfN.com** or call:
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