

PLANT NUTRIENTS

AdvanSix Sulf-N® Ammonium Sulfate

Cotton Response to the Rate and Source of Sulfur on a Sandy Coastal Plain Soil

Objective

Evaluate the response of cotton to source, rate and timing of sulfur fertilizer applications.

Method

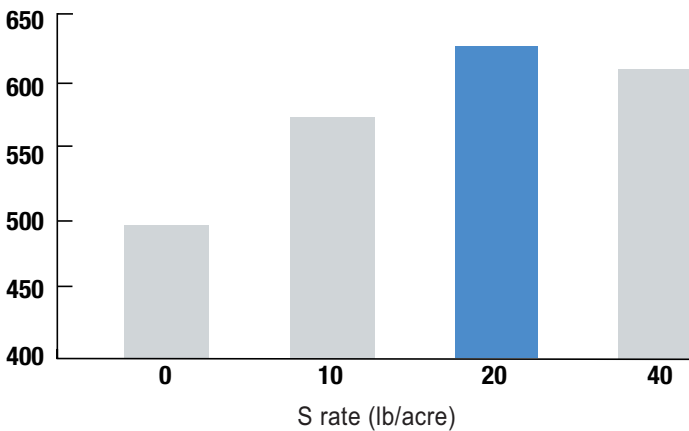
- Sources were broadcast-applied preplant, with ammonium sulfate also applied at first square.
- Field research was conducted for three years (1993-1995) in south Alabama.
- Nitrogen rate was 90 pounds per acre.

Results

Sulfur (S) Rate (lb/acre)	1993	1994	1995	3-year avg.
	Lint Yields (lb/acre)			
0	256	590	651	499
10	292	675	769	579
21	316	758	818	631
40	288	779	774	614

Sulfur Advantage

Lint Yield (lb/acre)



Conclusions

- Cotton yields were increased by the application of sulfur during all three years of the test.
- Yields peaked at approximately 20 pounds sulfur per acre. Averaged across sources, an application of 20 pounds sulfur per acre increased cotton yields by an average of 26 percent compared to the no sulfur check treatment.
- Applying sulfur preplant versus first square did not affect cotton yields in 1993 or 1995. In 1994, preplant applications of sulfur gave higher yields as compared to sulfur applied at first square.
- Cotton yields were not affected by the source of sulfur during 1993 or 1995. In 1994, ammonium sulfate and K-Mg-Sulfate produced slightly higher yields as compared to elemental sulfur, potassium sulfate and potassium thiosulfate.

Source: G.L. Mullins, *Journal of Production Agriculture*, Vol. 11, No. 2, April-June 1998

Contact AdvanSix

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

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