

Sulf-N[®] News: Making Up for Lost Sulfur

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Need for Applied Sulfur on Corn Is Increasing in Indiana — and Elsewhere

Sidedress sulfur (S) applications increased yields by an average of 14 bushels per acre on six of 11 plots in a 2017-2018 study by Purdue University. Those results, along with surveys comparing S-deficient soils in 2016 with similar data from a 2005-2007 study, suggest that S deficiency is increasingly prevalent across Indiana. Similar results have been observed in Pennsylvania.

Among the findings:

- In 2016, approximately 70% of Indiana's soil samples contained less than eight parts per million (ppm) sulfate-S. In contrast, as recently as 2005-2007, less than 5% of the state's soil samples tested below that threshold.
- In 2001, the average airborne deposition in Indiana was 13 pounds of S per acre, and some parts of southern Indiana received more than 18 pounds per acre. By 2015, the deposition rate had fallen to single-digit numbers.
- A 200-bushel corn crop removes approximately 10 pounds of S per acre, so the average current amounts deposited from the air in Indiana may not be enough to replace the S lost to crop removal.

Get the [full story here](#) from Dr. Jim Camberato, extension soil fertility specialist, Purdue University.

Useful Resources

Sulf-N[®] ammonium sulfate is an excellent source of sulfate-S, which is immediately available to crops, as well as ammonium-N, which resists volatilization. That makes it ideal for starter or sidedress applications in corn. For more information about Sulf-N[®] benefits, [visit this page](#) or contact [Mercedes Gearhart](#), Senior Agronomist at AdvanSix.

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