Vegetable producers are discovering the ammonium advantage from Sulf-N® ammonium sulfate (21-0-0-24S). It’s a nitrogen program that gives you the best of both worlds: immediate availability plus long-lasting nitrogen.

“Ammonium sulfate is available when the plant needs it. It’s not volatile like urea and the additional sulfur helps the plant use nitrogen more efficiently. On snap beans and sweet corn, we have seen higher yields and higher quality with ammonium sulfate.”

Dan Winters
Winters Consulting Service, Pennsylvania

Why ammonium sulfate? Roots absorb both ammonium and nitrate. But only ammonium is readily available for root uptake and stays available while other nitrogen (N) forms – like nitrate and urea – are subject to loss from volatilization, leaching and denitrification.

“Ammonium sulfate gives us a more efficient form of nitrogen. It doesn’t volatilize like urea and it stays available in the soil for a longer period of time. On sweet corn, anywhere from 50 percent to 100 percent of our nitrogen comes from ammonium sulfate. It also works well on snap beans, cucumbers, and peppers.”

George Umholtz
Crop Production Services, Pennsylvania

Sulfur Bonus
Sulf-N® ammonium sulfate also gives you the benefit of sulfur. More soils are running short of this protein-forming nutrient due to anti-pollution regulations that have reduced sulfur dioxide emissions from industry.

“We like to use one pound of sulfur for every 10 to 15 pounds of nitrogen on sweet corn. Sulfur, like nitrogen, is important for protein formation and sugar production, especially in sweet corn. We also use ammonium sulfate on dry beans, snap beans, cabbage, potatoes and processing peas. Experience has shown us that the nitrogen is both readily available and longer-lasting than other nitrogen sources.”

Don Jones
GROWMARK FS, Inc., New York

More Ammonium Advantages
With Sulf-N® ammonium sulfate, you can also count on these ammonium advantages:

- Improved uptake of phosphorus and micronutrients.
- Enhanced root safety. (Unlike urea, ammonium sulfate does not release toxic ammonia.)

“On dry beans and sweet corn, we use ammonium sulfate in starter blends to supply nitrogen and sulfur. It’s safe to the roots and much more compatible with other fertilizers. Plus, ammonium sulfate lowers the pH in the starter zone, which makes phosphorus and micronutrients more available.”

Jack Aarts
Sylvite Agri-Services LTD., Ontario

“We use ammonium sulfate in the planter mix on all kinds of vegetable crops. It makes phosphorus and micronutrients more available in early-planted, cold soils. On dry beans, we have also observed that the sulfur from ammonium sulfate accelerates emergence and improves resistance to white mold.”

Greg Patterson
A&L Canada Laboratories Inc., Ontario
**Field Tested, Performance Proven**

In university research, ammonium sulfate has increased yields of many vegetable crops, including potatoes, sweet corn, cabbage and kidney beans.

“We use ammonium sulfate on virtually every vegetable crop grown in the mid-Atlantic region. Ammonium sulfate gives us a stable form of nitrogen that resists volatilization and is gentle on the crop. Plus we get a readily available form of sulfur. In side-by-side comparisons, we have seen that ammonium sulfate out yields other nitrogen sources and gives us a deeper, richer color. By having ammonium sulfate in our fertility package, we are able to utilize phosphorus, which is abundant in our soils, and micronutrients better. I believe we will continue to see increasingly better yield responses to ammonium sulfate as we continue to clean up the air and reduce acid rain.”

Denis Shaffer GROWMARK FS, Inc., New Jersey/Delaware

Fast-acting, long-lasting Sulf-N® ammonium sulfate is compatible with many other fertilizers and is ideal for preplant, starter and sidedress applications.

**References**


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)

AdvanSix
300 Kimball Drive, Suite 101
Parsippany, NJ 07054

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