

KUGLER ATS

Kugler ATS as a nitrogen source—and nitrogen inhibitor.

With its 12-0-0-26s formulation, Kugler ATS is an economical source of nitrogen – while also acting as a nitrification inhibitor.

Unless it is stabilized in some manner, nitrogen can be lost from the soil in a number of ways. It can leach far below the root level and into groundwater when there is excess moisture. When surface applied, nitrogen can be lost to the atmosphere through volatilization. If ammonium converts to the nitrite form of nitrogen (nitrification), it can be easily lost to the environment through denitrification and leaching.

Research at North Dakota State University has indicated that ATS has an inhibitory effect on nitrification – and it does so without the need for an additional investment in an add-on nitrogen inhibitor. Unlike many commercial nitrogen inhibitors, Kugler ATS inhibits nitrogen without eliminating naturally occurring soil bacteria.

KUGLER FERTILIZERS

**We make them. We sell them.
And nobody does it better.**

Kugler is a family owned, Midwest based fertilizer company that has been helping agricultural producers succeed for decades. The foundation of that success is based in Kugler's company-wide commitment to the highest quality – from manufacturing to delivery to application.

Discover more about how Kugler quality can put your fertility program in step with the rest of your modern farming practices. Visit with your local Kugler KQ dealer or contact us:

1.800.445.9116

www.KuglerCompany.com

www.KQXRN.com

Headquartered in McCook, Nebraska, Kugler Company has fertilizer manufacturing facilities in:

- Culbertson, NE
- Sterling, CO
- Ulysses, KS
- Rapid City, SD
- Waterloo, IA

THE ORIGINAL KUGLER ATS

**Ammonium Thiosulfate of
Unmatched Quality & Performance**



KUGLER ATS

The high quality sulfur source for your fertility program.

Many soils are showing increased deficiencies of sulfur—and that can have a dramatic effect on plant development, plant health and plant performance. Kugler ammonium thiosulfate (ATS) is a one-of-a-kind, high quality source of sulfur that is a perfect supplement to UAN, 10-34-0 and other NPK products. Research shows that blending ATS with phosphorus can improve phosphorus uptake by crops.

Kugler ATS is manufactured using a proprietary process that sets it apart in terms of quality, ease of use and application, and in-field performance.

Enhanced availability of micronutrients.

Kugler ATS can help improve the availability of critical micronutrients to your crop. For example, the ability of ATS to improve availability of iron and manganese has been clearly demonstrated in research. Kugler MicroMax™ is a great source of key micronutrients that matches well with Kugler ATS.

Sulfur deficiencies are becoming more prevalent.

Sulfur from the atmosphere used to be enough to satisfy crop needs. However, strict environmental regulations have reduced the sulfur output from industrial facilities such as power plants, so crops are even more reliant on sulfur in the soil.

The incidence and severity of sulfur deficiency is expected to increase, leading to the need for application of sulfur in fertilizer. No-till systems and heavy residue are also thought to increase the chance of sulfur deficiency.

Including sulfur in a fertilizer program to prevent deficiency is typically more efficient and less costly than correcting the deficiency after the fact. With Kugler ATS, you can get out in front of sulfur deficiency with a high quality fertilizer that is easy to apply.

Increased flexibility.

The superb quality of Kugler ATS makes it easy to apply and easy to use. Additionally, Kugler ATS is well suited for a wide range of applications—from 2x2 preplant to sidedress to broadcast. That quality is also important when blending Kugler ATS with other Kugler fertilizers—or when using Kugler ATS as a building block for other mixed grade fertilizers. Kugler ATS is readily mixable with other quality fertilizers to create a wide variety of custom products to meet a wide range of fertility challenges.

Sulfur: Essential to Crop Performance

High quality Kugler ATS is the sulfur source for all Kugler fertilizer products. Sulfur is an essential element in our fertilizers—and in your crop's performance. Research shows that sulfur deficiencies limit crop productivity and reduce efficiency of nutrient use in your plants. Sulfur influences the development of plant protein and enzymes and in the formation of chlorophyll. Sulfur also plays a key role in photosynthesis. Low sulfur results in yellowing leaves, stunted growth and spindly plants.

When you choose Kugler ATS, you are applying a high quality, consistent source of sulfur that your crop needs for optimal performance and yield.

For more information, call toll free:

1-800-445-9116

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