

# TAKE UAN PROTECTION TO THE NEXT LEVEL



RECOMMENDED USAGE  
RATE PER TON OF UAN

**1.5 - 2.5 gal**

**1.5 gallon:** For use with most pre-plant, at plant, pre-emergent, or post-emergent applications.

**2.5 gallon:** For use on sites with a known history of leaching and denitrification losses or for applications made more than 30 days prior to planting.

CENTURO™ nitrogen stabilizer from Koch Agronomic Services is the next-generation nitrification inhibitor for UAN. It is a stable and nonvolatile formulation, providing flexibility to incorporate your UAN application when convenient. CENTURO, with its patented active ingredient Pronitridine, offers highly effective below-ground nitrogen protection and unequaled flexibility in an easy-to-handle solution.



## FLEXIBLE STORAGE OPTIONS

CENTURO's formulation does not freeze as long as temperatures remain above -9 °F (-23 °C).



## TRUE LIQUID SOLUTION

CENTURO is a true liquid formulation, applied at 1.5 - 2.5 gallons per ton of UAN. It is easy to transport, store and pump into UAN with no need for recirculation.



## NONCORROSIVE FORMULA

This solution is 100 percent noncorrosive to the metals used with UAN and anhydrous ammonia, making it easier to handle so you can reduce downtime and potential damage to your equipment.



## TANK-MIX COMPATIBILITY

CENTURO is tank-mix compatible with ammonium thiosulfate and many crop protection chemicals, providing even more time-saving opportunities for your operations\*.

\*Per label instructions, conduct a jar test with crop protection chemicals or biologicals prior to tank-mixing to confirm compatibility.

## CONFIDENCE WITHOUT THE COMPLICATION.

A true liquid solution for UAN protection.

Contact your distributor today to get started or visit [CENTURO.com](https://www.centuro.com) for more information.



CENTURO™ is not registered for sale or use in all states. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your state. Always read and follow label instructions. Results may vary based on a number of factors, including environmental conditions. CENTURO™ and the CENTURO logo are trademarks of Koch Agronomic Services, LLC. Koch and the Koch logo are trademarks of Koch Industries, Inc. © 2020 Koch Agronomic Services, LLC.

# RESEARCH & RESULTS

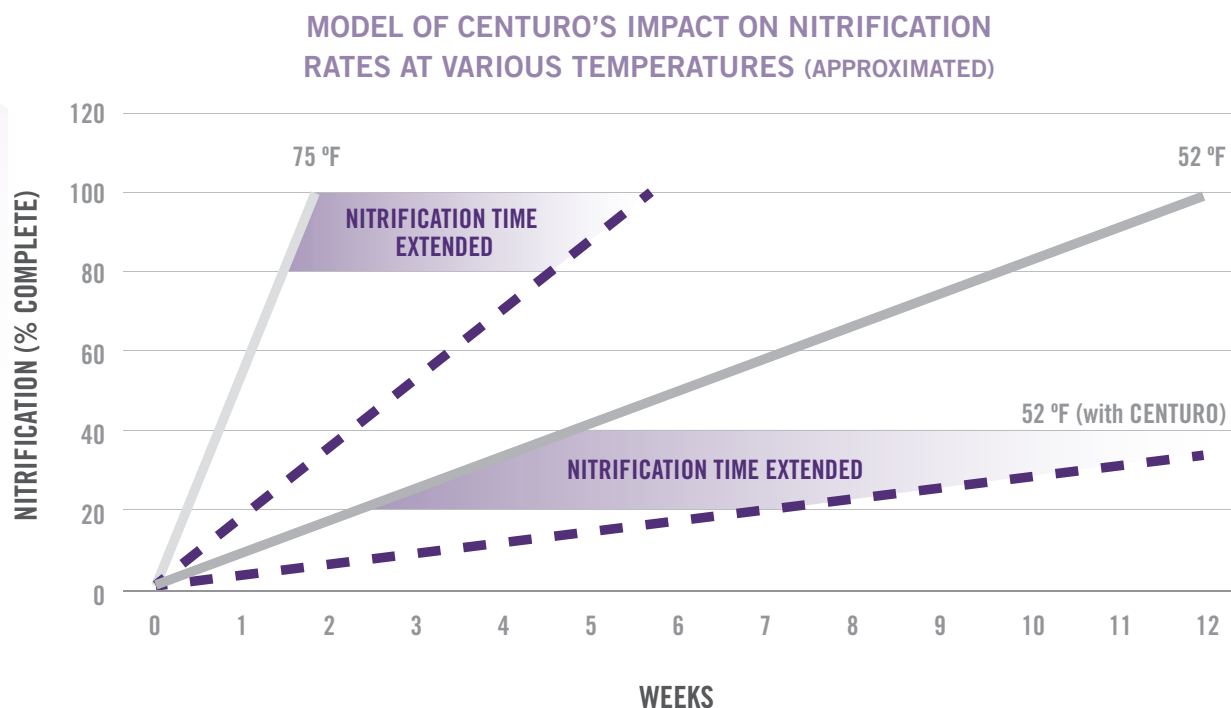


For the past nine years, a team of agronomists, chemists and technology specialists from Koch Agronomic Services have been working to develop a solution for growers' unique UAN stabilizer needs. CENTURO™ nitrogen stabilizer is here to give growers an easy-to-handle, effective nitrification inhibitor solution.

## EXTENDED PROTECTION

Nitrification occurs when applied nitrogen is converted from ammonium to nitrate. In the nitrate form your investment is susceptible to leaching and can move beyond the plant's root zone. As a nitrification inhibitor, **CENTURO slows the conversion of ammonium to nitrate and can hold the nitrogen in the ammonium form three times longer than without an inhibitor.**<sup>1</sup>

Put simply, CENTURO extends your window of protection against the impact of environmental factors like temperature and moisture on the rate of nitrification. As shown in the model below, at 52 degrees Fahrenheit, 100 percent of nitrogen applied without an inhibitor would be nitrified in 12 weeks. However, with CENTURO, more than 60 percent of the applied nitrogen would remain in the ammonium form after 12 weeks. In spring applications, 100 percent of nitrogen applied without an inhibitor can be nitrified in two weeks at 75 degrees Fahrenheit. With CENTURO, less than 40 percent of the applied nitrogen would be nitrified.



Graph is derived from the Nutrient Management for Agronomic Crops in Nebraska (Tim Shaver, p.7) and third-party laboratory studies funded by Koch Agronomic Services.

<sup>1</sup>The underlying data is based on third-party laboratory studies funded by Koch Agronomic Services; results may vary based on a number of factors, including environmental conditions. Improvements in nutrient use efficiency, yield and nitrate leaching may not be observed in all cases.