

CENTURO™ Nitrogen Stabiliser

CENTURO™

CENTURO™ nitrogen stabiliser from Koch Agronomic Services is a next-generation nitrification inhibitor featuring the patented active ingredient, Pronitridine. CENTURO offers highly effective below-ground protection against leaching and denitrification.

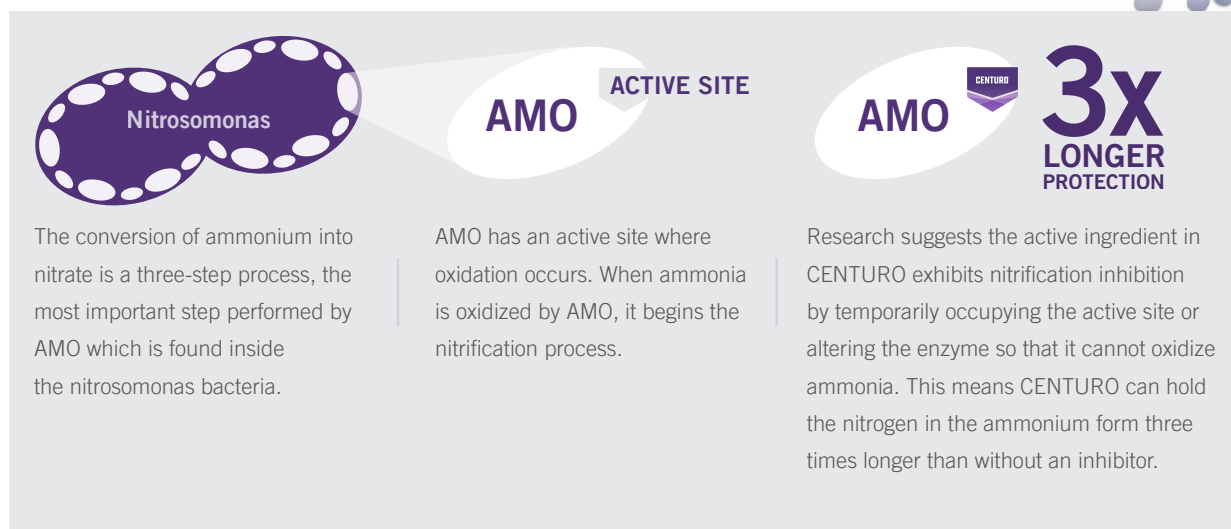
WHAT IS A NITRIFICATION INHIBITOR?

Nitrification inhibitors slow the conversion of ammonium to nitrate. In the nitrate form, nitrogen is susceptible to leaching and denitrification. By slowing the nitrification process, more nitrogen is kept in a stable form for longer, making it more readily available for when plants need it.

CENTURO slows the conversion of ammonium to nitrate and can hold the nitrogen in ammonium form three times longer than without an inhibitor.

HOW IT WORKS IN THE SOIL

When urea or other nitrogen containing fertilisers are applied to the soil, much of the nitrogen converts or transforms to ammonium. In this form, nitrogen is readily available for uptake by the crop. Ammonium will then convert to nitrate in about two weeks depending on the soil type and temperature. Slowing the conversion of ammonium to nitrate is key to preventing nitrogen loss – ammonium will bind to the soil whereas nitrate can move with water and is prone to loss through leaching and denitrification.

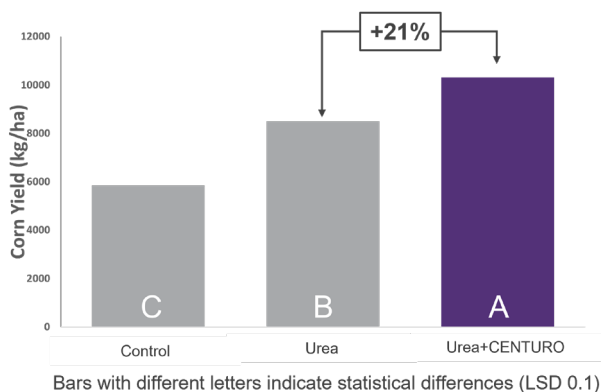


HIGHLY EFFECTIVE NITRIFICATION INHIBITOR

- Minimise nitrogen loss from leaching and denitrification
- Optimise nitrogen use efficiency & yield
- Reduce nitrous oxide emission potential

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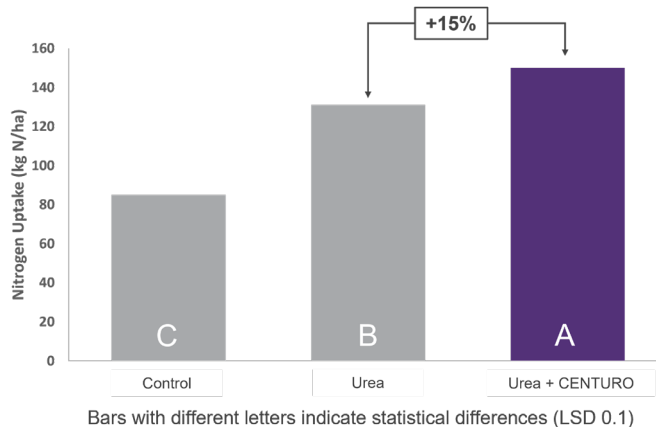
RESEARCH PROVEN FORMULATION



Treating urea with CENTURO significantly increased maize yield by 1800 kg/ha (21%) compared to untreated urea.¹

Trial Details:

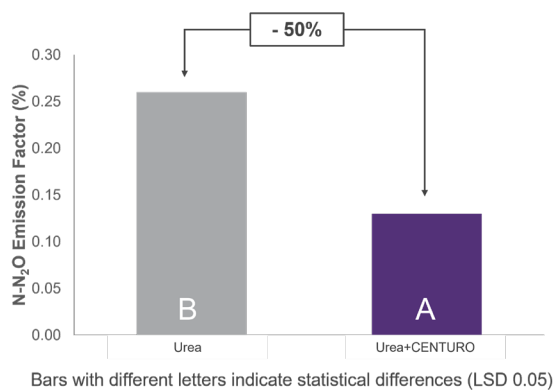
- 2021/2022 field study on maize
- 100 kg N/ha as urea applied at V6
- Soil: Ultisol, pH: 6.0; 1.2% OM, 12% clay



Treating urea with CENTURO significantly increased maize nitrogen uptake by 19 kg N/ha (15%) compared to untreated urea.¹

Trial Details:

- 2021/2022 field study on maize
- 100 kg N/ha as urea applied at V6
- Soil: Ultisol, pH: 6.0; 1.2% OM, 12% clay



Treating urea with CENTURO significantly decreased the nitrous oxide emission factor by 50% (reduced to 0.13%) compared to untreated urea.¹

Trial Details:

- A field study on maize over an average of 2 growing seasons
- 100 kg N/ha as urea applied at V6
- Soil: Ultisol, pH: 6.0; 1.2% OM, 12% clay

MAKE YOUR NITROGEN WORK HARDER.
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¹The underlying data was provided by Universidade Federal de Santa Maria, Brazil under a Research Trial Financial Support Agreement with Koch Agronomic Services, LLC. Neither the universities, institutions, nor the individual researchers referenced, endorse or recommend any product or service. CENTURO™ is not registered for sale or use in all jurisdictions. All other brands are trademarks of their respective companies. CENTURO and the CENTURO logo are trademarks of Koch Agronomic Services, LLC. Koch and the Koch are trademarks of Koch Industries, Inc. © 2024 Koch Agronomic Services, LLC. All rights reserved.