NEXEN® UREA
POWERED BY AGROTAIN®

Protect your nitrogen investment

NEXEN® Urea is urea treated with AGROTAIN® — the world-leading NBPT urease inhibitor from Koch Agronomic Services. AGROTAIN® slows the conversion of urea at the soil surface, protecting your nitrogen from loss as ammonia gas (volatilisation) before rain or incorporation moves it into the soil.



WHAT IS NEXEN® UREA?

- NEXEN® Urea is a stabilised urea fertiliser designed to help protect surface-applied nitrogen from volatilisation losses during vulnerable periods after application.
- NEXEN® Urea is powered by AGROTAIN®, the world leading formulation of NBPT urease inhibitor.
- NEXEN® Urea helps delay the conversion of urea into ammonia gas, reducing the risk of nitrogen loss before rainfall or incorporation occurs.
- NEXEN® Urea is available for shipment ex all Koch Fertiliser Australia port facilities.

WHY SHOULD I USE NEXEN® UREA?

Nitrogen is one of the most significant input investments in modern farming systems. When urea remains on the soil surface, a portion of applied nitrogen can be lost through ammonia volatilisation before it becomes available to the crop. NEXEN® Urea helps reduce this risk by protecting applied nitrogen during the critical period following application.

Potential benefits include:

- Improved nitrogen use efficiency on surface-applied urea
- Increased flexibility around rainfall timing
- Practical fit within existing fertiliser programs

WHEN SHOULD I USE NEXEN® UREA?

NEXEN® Urea may provide value where nitrogen loss risk is elevated, including:

- Surface-applied urea systems
- Delayed or uncertain incorporation rainfall
- High residue farming systems
- Warm or moist surface conditions
- When flexibility around spreading timing is operationally advantageous

TALK TO KOCH FERTILISER AUSTRALIA

To learn more about how NEXEN® Urea may fit within your nitrogen program, contact your Koch Fertiliser Australia marketer.

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Supported by research

In a two-season Victorian trial (Colac and Leongatha), NEXEN® consistently increased pasture dry matter production over urea across all fertiliser rates — on average by 7.4% (833 kg/ha).

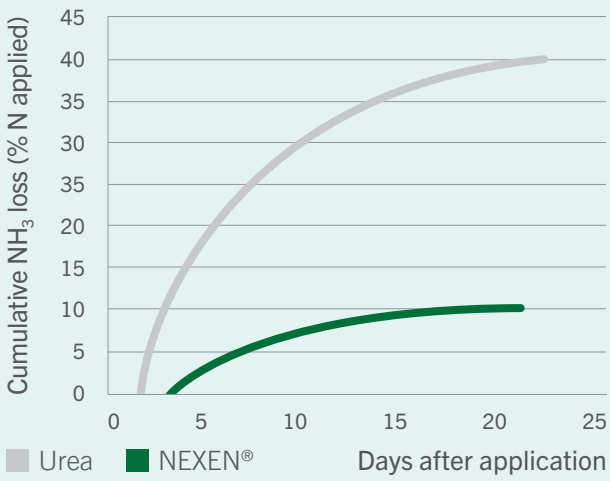
NEXEN® INCREASED PASTURE DRY MATTER YIELD

Values above the bars in the graph below represent % dry matter increase with NEXEN® over urea at the same rate.

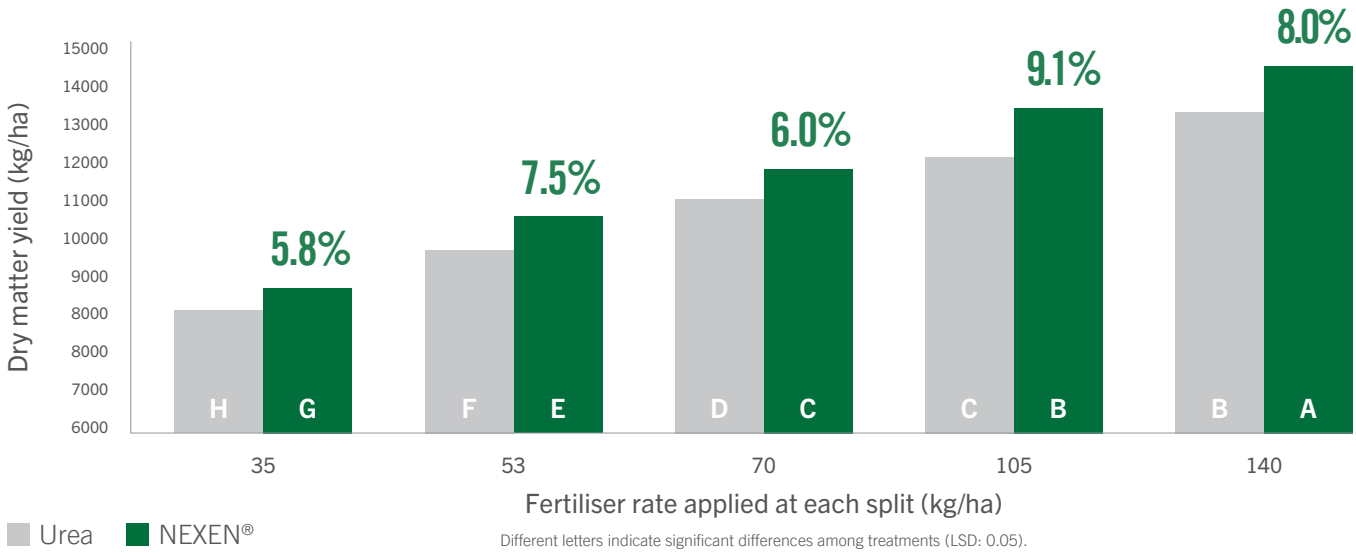
Trial details

- Field study conducted between May 2021 and June 2023 on perennial ryegrass/white clover pasture in Colac and Leongatha, Victoria
- 9 surface broadcast fertiliser applications during the growing season
- Soil Leongatha: pH 5.4; CEC: 13.8 cmol/kg
- Soil Colac: pH 6.3; CEC: 11.7 cmol/kg
- Unfertilised control: 5,797 kg DM/ha

CUMULATIVE VOLATILISATION LOSS



Sources, Franten el al., 2010, Kelly 2009, Holcomb el al. 2010, and Holl. 2008



Different letters indicate significant differences among treatments (LSD: 0.05).

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