OMEX

NitroShield

Reducing Ammonia Emissions

NitroShield

Helping farmers produce sustainably

NitroShield has been rigorously tested and designed to help farmers reduce ammonia emissions and farm sustainably.

From 2024, in England, applications of UAN liquid fertiliser made after 31st March must include an effective urease inhibitor, such as NitroShield, unless agronomic justification is provided by a FACTS qualified advisor.

OMEX has developed NitroShield to reduce ammonia emissions. The innovative new inhibitor reduces emissions by over 70% and meets the requirements of the Red Tractor Farm Assurance standard.

Reducing Emissions

NitroShield contains NBPT and works by delaying the urease hydrolysis of urea, reducing the risk of ammonia losses.
OMEX trials have consistently demonstrated reductions of over 70% in ammonia emissions.

NitroShield will help growers meet assurance standards whilst improving efficiency and ensuring they're using the most effective application rates.

Technical Information

Trials Results and Data

NitroShield has been rigorously tested both independently and by the OMEX R&D team, establishing the most efficient inhibitor at the most effective rates. The average of all tests with liquid nitrogen + NitroShield, vesus untreated liquid nitrogen, show the inhibitor gives a greater then 70% reduction in ammonia emissions, matching the UK government target.

Farmer Benefits

Independent grain yield in wheat trials from liquid nitrogen + NitroShield v liquid nitrogen alone:

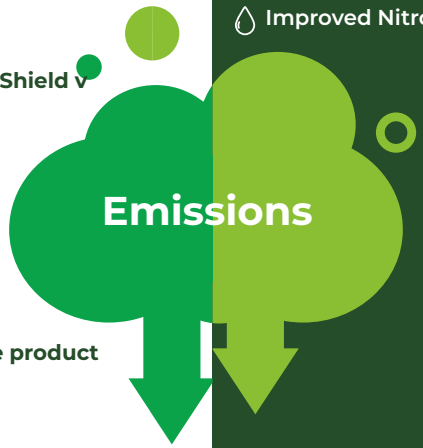
2016, NIABTAG Morley, UK	**+0.4t/ha**
2017, NIABTAG Morley, UK	**+0.3t/ha**
Mean of trials in UK.CZ,PL	**+0.33t/ha**

Application

NitroShield can be mixed with Nitroflo Liquid Fertiliser. Refer to the product technical sheet for full instructions.

Key Facts

- Reduces emissions by over **70%**
- NIAB trials show a **0.3t/ha** increase in yield
- Meets international standards
- Safe for all agricultural crops
- Long **shelf life** before mixing
- Improved Nitrogen Use Efficiency



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