

FORTIFLO

OMEX
LEADERS IN LIQUID FERTILISER

NitroShield®

INHIBITOR



REDUCES EMISSIONS BY 70%+

IMPROVES YIELD

MEETS ASSURANCE STANDARDS

SAFE TO USE ON ALL CROPS

**Reducing ammonia emissions
for more sustainable farming**

NitroShield® is a urease inhibitor that reduces ammonia emissions and improves Nitrogen Use Efficiency (NUE), enabling farmers to meet international standards.

FORTIFLO

NitroShield®



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

Since 2024 in England, applications of UAN liquid fertiliser after 31 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 significantly reduce emissions and meet the requirements of the Red Tractor Farm Assurance standard, helping farmers grow more efficiently and sustainably, using the most effective application rates.

NitroShield® is safe for all agricultural crops and has a long shelf life before mixing. It improves NUE and protein levels, and NIAB trials show a 0.3t/ha increase in yield.

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

Reducing emissions

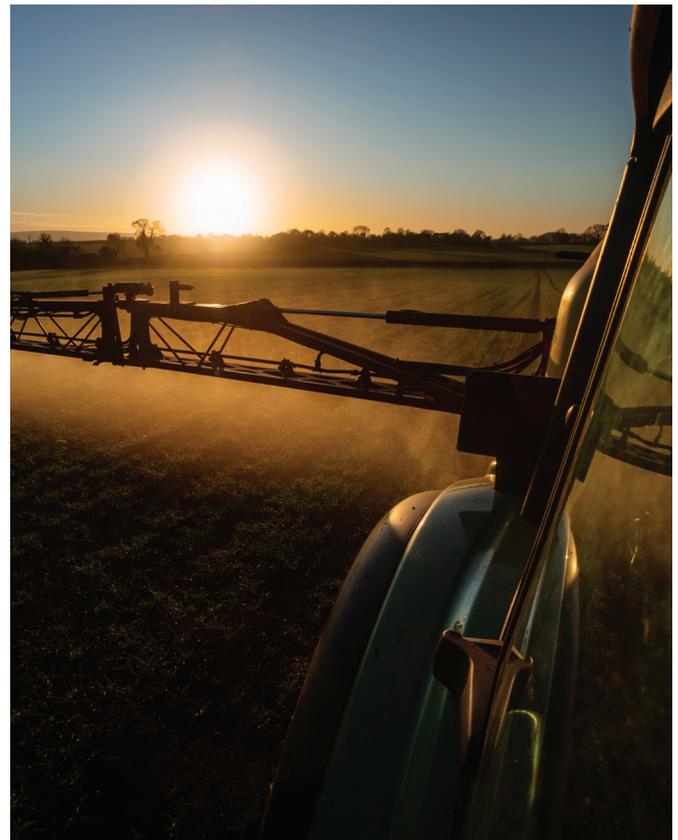
NitroShield® contains NBPT and works by delaying the urease hydrolysis of urea, reducing the risk of ammonia losses. OMEX trials have consistently demonstrated significant reductions in ammonia emissions.

TRIAL RESULTS & DATA

NitroShield® has been tested both independently and by OMEX, establishing itself as the most efficient inhibitor at the most effective rates. The average of all tests with liquid nitrogen + NitroShield®, versus untreated liquid nitrogen, shows the inhibitor gives a greater than 70% reduction in ammonia emissions, matching the UK government target.

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



FORTIFLO liquid foliar fertilisers nourish the nation's crops with the right nutrients at the right time, helping them to reach their full yield potential.

Call us on **01526 396000** or visit omex.com/uk

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