

**FORTIFLO**

**OMEX**  
LEADERS IN LIQUID FERTILISER

# NitroShield®

**INHIBITOR**

**10L**



**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
<b>Mean of trials in UK, CZ &amp; PL</b>	<b>+0.33t/ha</b>



**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](https://www.omex.com/uk)

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