

MZ
28



**TAKE
CONTROL**



#InnovationImpact



MZ28 is a foliar-applied, controlled-release nitrogen fertiliser designed for feed wheat.

It delivers nitrogen with very high efficiency (typically 85–95% utilisation) and provides long-term, sustainable benefits by reducing reliance on traditional ammonium nitrate fertilisers and lowering on-farm carbon footprint.

What does it do?



MZ28 replaces 40–50 kg/ha of bagged nitrogen at the final N split, maintaining crop performance while reducing fertiliser inputs.

It supports improved nitrogen utilisation, contributes to reductions in blackgrass and disease pressure, and helps farmers reduce greenhouse gas emissions from fertiliser use.

Application

- Apply 28–35 L/ha depending on the nitrogen being replaced:
- Replace 40 kg N with 28 L/ha
- Replace 50 kg N with 35 L/ha
- Apply at the final N split, after traditional fertiliser applications
- Can be partnered with other products to enhance nitrogen utilisation

How does it do it?

- MZ28 uses a specialised polymer and bio-wetting system that:
- Keeps the foliar film wet for longer, increasing nitrogen absorption
- Sticks to the leaf surface, resisting crystallisation and volatilisation
- Provides controlled nitrogen release over 6–8 weeks inside the plant
- Delivers nitrogen efficiently even in challenging weather due to strong rainfastness

Features



- Controlled-release foliar nitrogen delivering 6–8 weeks of feeding
- High nutrient utilisation efficiency (typically 85–95%)
- Bio-wetting and polymer adhesion system for superior uptake and rainfastness
- Low-salt, low-biuret formulation ensuring excellent crop safety at all growth stages
- Designed specifically to replace 40–50 kg N/ha in feed wheat programmes

Benefits



- Reduces carbon footprint, replacing high-emission AN fertilisers
- Helps reduce blackgrass pressure and disease levels
- Maintains yield while reducing fertiliser inputs and protecting soil health
- Provides more stable, efficient nitrogen delivery across variable conditions
- Supports long-term sustainability and improved nutrient management planning

Results



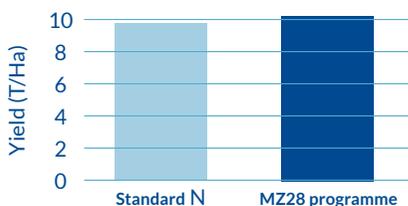
Yield performance

Multiple trials (Lampport AgX in Northamptonshire and Yorkshire 2021) show:

No statistical difference in yield compared with full-rate bagged nitrogen programmes, even with 40–50 kg N removed

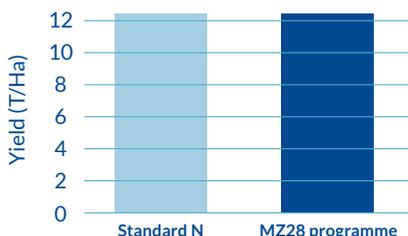
LAMPFORT

Yield *No statistical difference in yield*



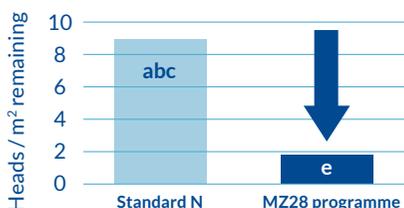
YORKSHIRE

Yield *No statistical difference in yield*



Blackgrass reduction (Lampport Agx)

Blackgrass *Statistically significant reduction*

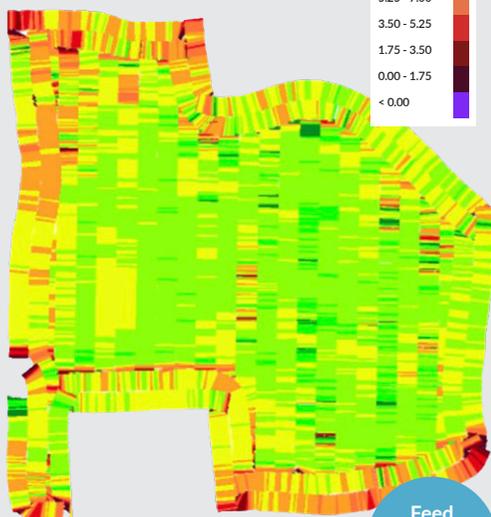


Trials show a statistically significant reduction in blackgrass heads when using MZ28 vs. standard nitrogen

Field performance

Yield Map

Average yield: 10.18 t/ha



Un-treated



Treated

Feed
Wheat,
cv KWS
Extase

Feed
Wheat,
cv KWS
Extase



innovation
range

Making a **real impact**
on your farm

Bioscience products for healthier, productive crops. #InnovationImpact

MZ28



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