

TRIAL DATA SHEET

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Koch Advanced Nitrogen[®] fertiliser vs ammonium nitrate

Objective: Crop yield comparison between different N sources

Crop: Winter Oilseed Rape

Location: Monks Eleigh, Suffolk

Date: 2015 Harvest

Researcher: Envirofields

Trial code: RD99_001_OSR_15



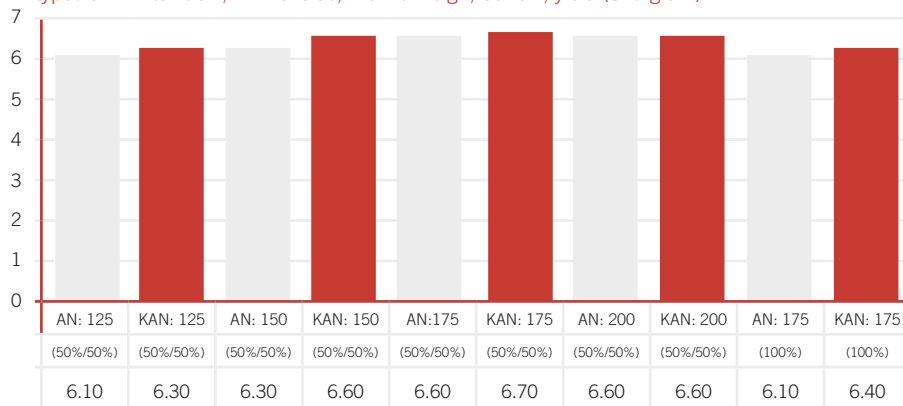
Nitrogen Rate (kg N/Ha)	Product Required (kg/Ha)	
	Ammonium Nitrate	Koch Advanced Nitrogen [®]
125 ⁽¹⁾	362	272
150 ⁽¹⁾	435	326
175 ⁽¹⁾	507	380
200 ⁽¹⁾	580	435
175 ⁽²⁾	507	380

⁽¹⁾ Application split: 50% at Pre-Em. 50% at GS 12-13

⁽²⁾ Application split: 100% at Pre-Em.

Results:

N-types on Winter OSR, Envirofields, Monks Eleigh, Suffolk, yield (t/ha grain)



Conclusions:

- The trial showed using KAN would have increased profit by up to £78/ha⁽³⁾.
- Koch Advanced Nitrogen[®] fertiliser gave a 3% yield increase compared to ammonium nitrate when averaged across all treatments.
- High nitrogen content of Koch Advanced Nitrogen[®] fertiliser means 33% less product is required to supply equal nitrogen compared to ammonium nitrate.

⁽³⁾ Based on AN priced at £220/tonne, KAN priced at £285/tonne and Oilseed Rape priced at £250/tonne.

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