

TRIAL DATA SHEET

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Koch Advanced Nitrogen® fertiliser vs Ammonium Nitrate

Objective: To compare crop yield between different nitrogen sources.

Crop: Spring Barley (cv Odyssey)

Location: Balgonie, Glenrothes

Date: 2014 Harvest

Researcher: Scottish Agronomy Ltd

Trials Code: RD99_0002_B_14



Treatments:

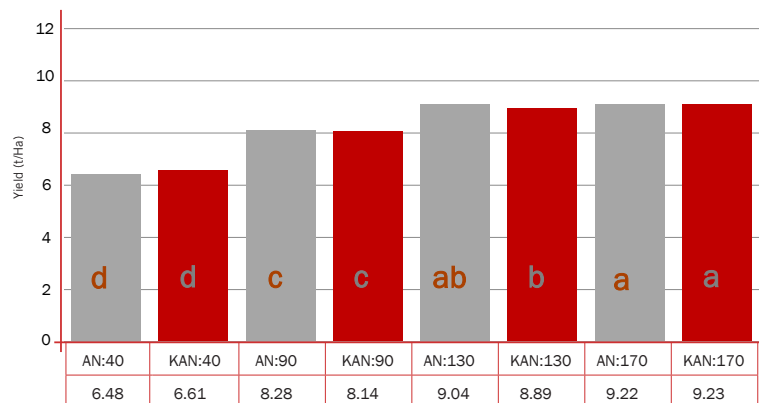
Nitrogen Rate (kg N/Ha)	Product Required (kg/Ha)	
	Ammonium Nitrate	Koch Advanced Nitrogen®
40	116	87
90	261	196
130	377	283
170	493	370

Application Splits:

50% at Pre-Em, 50% at GS 12-13

Results:

N-types on Spring Barley ('Odyssey'), SAG, Glenrothes, yield (t/ha grain)



Means followed by same letter do not significantly differ (P= 0.05, Duncan's New MRT)

Conclusions:

- High nitrogen content of Koch Advanced Nitrogen® fertiliser means 33% less product is required to supply equal nitrogen compared to ammonium nitrate.
- Koch Advanced Nitrogen® fertiliser gave equal yields compared to ammonium nitrate at all nitrogen rates (P=0.05).

Koch Advanced Nitrogen® fertiliser is an Enhanced Efficiency Fertiliser which offers UK farmers an alternative type of nitrogen. Produced by Bunn Fertiliser, Koch Advanced Nitrogen® fertiliser combines local knowledge with global technology to deliver proven top-level performance in UK conditions.

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LOCAL KNOWLEDGE.
GLOBAL TECHNOLOGY.

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