

TRIAL DATA SHEET

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Koch Advanced Nitrogen[®] fertiliser vs ammonium nitrate

Objective: Crop yield comparison between different N sources

Crop: Spring Barley (cv Concerto - Malting Barley)

Location: Balgoinies, Glenrothes

Date: 2013 Harvest

Researcher: Scottish Agronomy Ltd

Trial code: RD99_0014_B_13



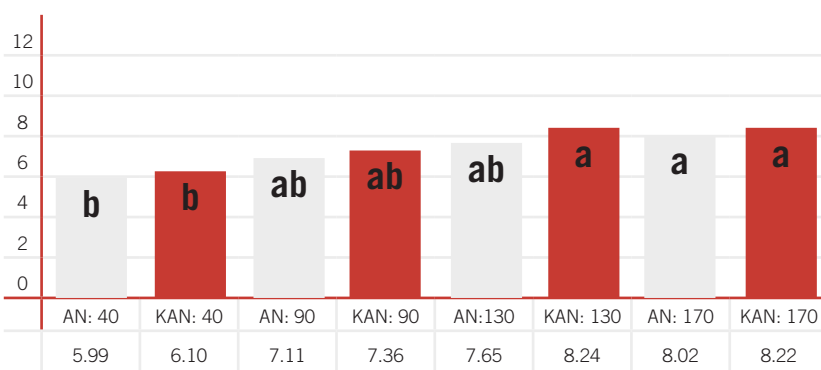
Treatments:

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 split: 50% at Pre-Em. 50% at GS 12-13

Results:

N-types on Spring Barley ('Concerto'), 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).

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