

TRIAL DATA SHEET

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Koch Advanced Nitrogen[®] fertiliser vs ammonium nitrate

Objective: Crop yield comparison between different N sources

Crop: Winter Barley (cv Volume - Feed Barley)

Location: Ploughlands, St Boswell

Date: 2013 Harvest

Researcher: Scottish Agronomy Ltd

Trial code: RD99_0013_B_13



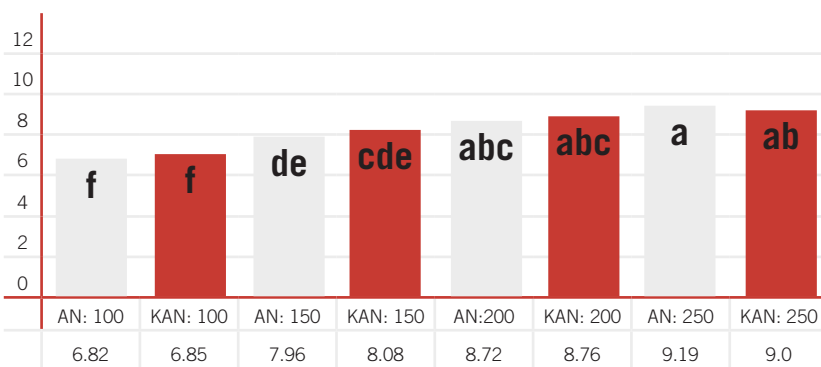
Treatments:

Nitrogen Rate (kg N/Ha)	Product Required (kg/Ha)	
	Ammonium Nitrate	Koch Advanced Nitrogen
100	290	217
150	435	326
200	580	435
250	725	543

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

Results:

N-types on Winter Barley ('Volume'), SAG, St Boswell, 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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