

TRIAL DATA SHEET

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Koch Advanced Nitrogen[®] fertiliser vs Ammonium Nitrate

Objective: To compare crop yield between different nitrogen sources.

Crop: Winter Wheat (cv Leeds)

Location: Balgonie, Glenrothes

Date: 2014 Harvest

Researcher: Scottish Agronomy Ltd

Trials Code: RD99_0006_W_14



Treatments:

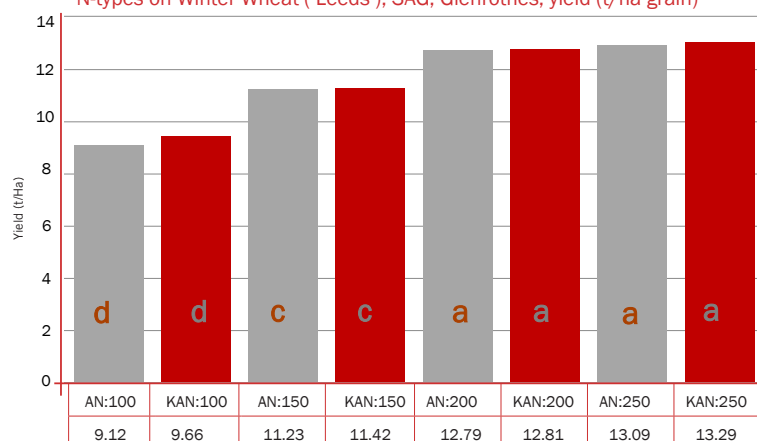
Nitrogen Rate (kg N/Ha)	Product Required (kg/Ha)	
	Ammonium Nitrate	Koch Advanced Nitrogen
100	290	217
150	435	326
200	580	435
250	725	543

Application Splits:

25% at GS 14-23. 50% at GS 30-32. 25% at GS 37-45

Results:

N-types on Winter Wheat ('Leeds'), 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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