

Objective: Crop yield comparison between ammonium nitrate and SUSTAIN®

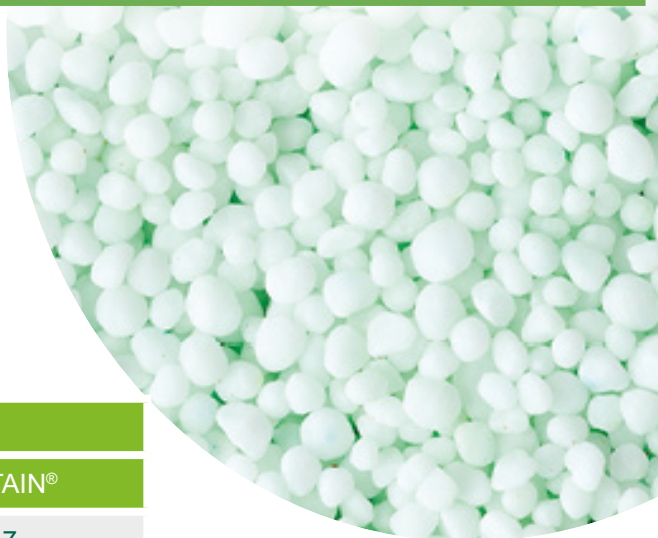
Crop: Winter Wheat (cv Viscount)

Location: St Boswell, Scotland

Date: 2014 Harvest

Researcher: Scottish Agronomy Limited

Trial code: RD99_0008_W_14

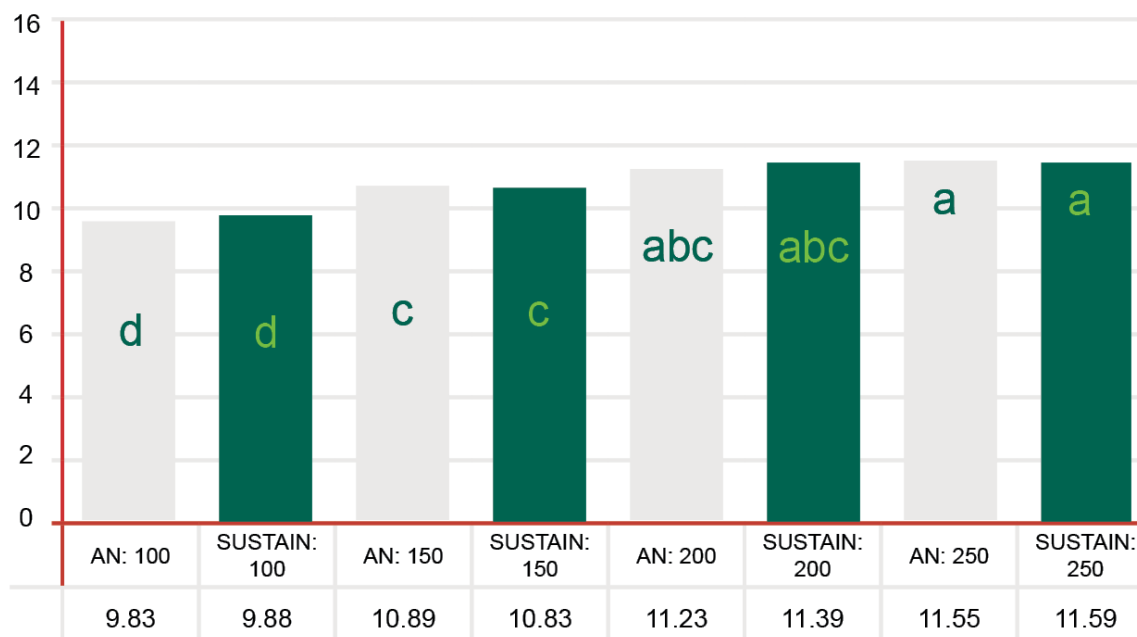


Treatments:

Nitrogen Rate (kg N/Ha)	Product Required (kg/Ha)	
	Ammonium Nitrate	SUSTAIN®
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% GS 37-45.

Results: N-types on Winter Wheat Viscount 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 SUSTAIN® fertiliser means 33% less product is required to supply equal nitrogen compared to ammonium nitrate
- SUSTAIN® gave equal yields compared to ammonium nitrate at all nitrogen rates (P=0.05)