

TRIAL DATA SHEET

SUSTAIN®

Objective: Crop yield comparison between ammonium nitrate and SUSTAIN®

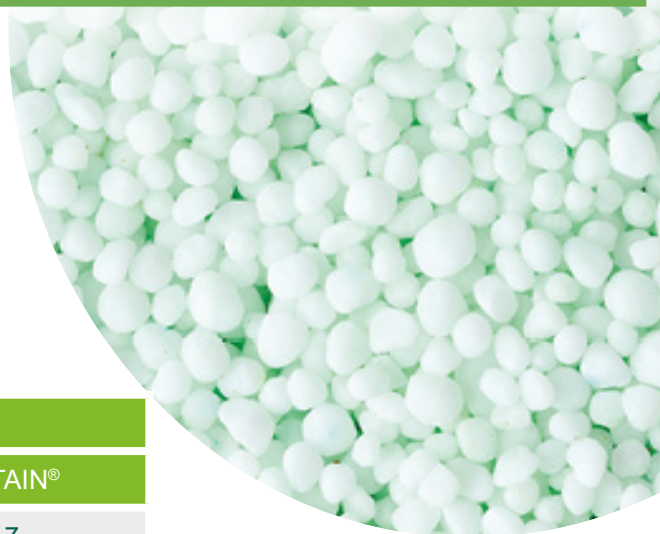
Crop: Winter Wheat (Leeds)

Location: Balgonie, Glenrothes

Date: 2015 Harvest

Researcher: Scottish Agronomy Limited

Trial code: RD99_003_WW_15

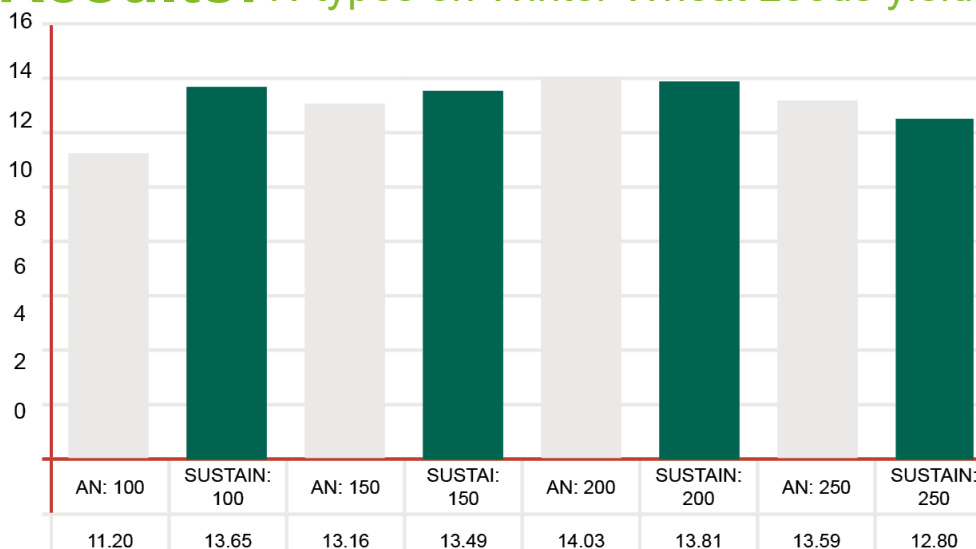


Treatments:

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 Leeds yield (t/ha grain)



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

Conclusions:

- The trial showed using SUSTAIN® would have increased profit by up to £56/ha⁽¹⁾.
- SUSTAIN® fertiliser gave a 3% increase in yield compared to ammonium nitrate when averaged across all treatments.
- At the 100kg N/Ha, SUSTAIN® fertiliser gave a 22% increase in yield compared to ammonium nitrate.
- High nitrogen content of SUSTAIN® fertiliser means 33% less product is required to supply equal nitrogen compared to ammonium nitrate.

(1) Based on averaged yields across all Nitrogen rates, AN priced at £250/tonne, SUSTAIN® priced at £315/tonne and wheat priced at £110/tonne.