

Objective: Crop yield comparison between ammonium nitrate and SUSTAIN®

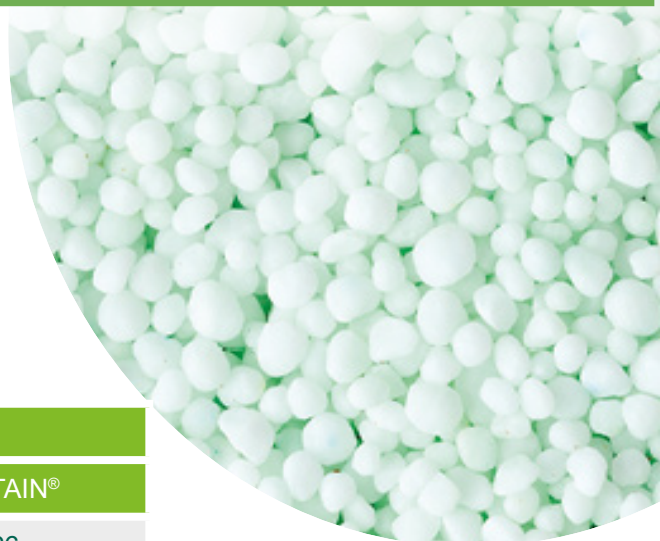
Crop: Winter Wheat (cv Cocoon)

Location: New Field, England

Date: 2011 harvest

Researcher: Agrii

Trial code: RD99_0011_W_11

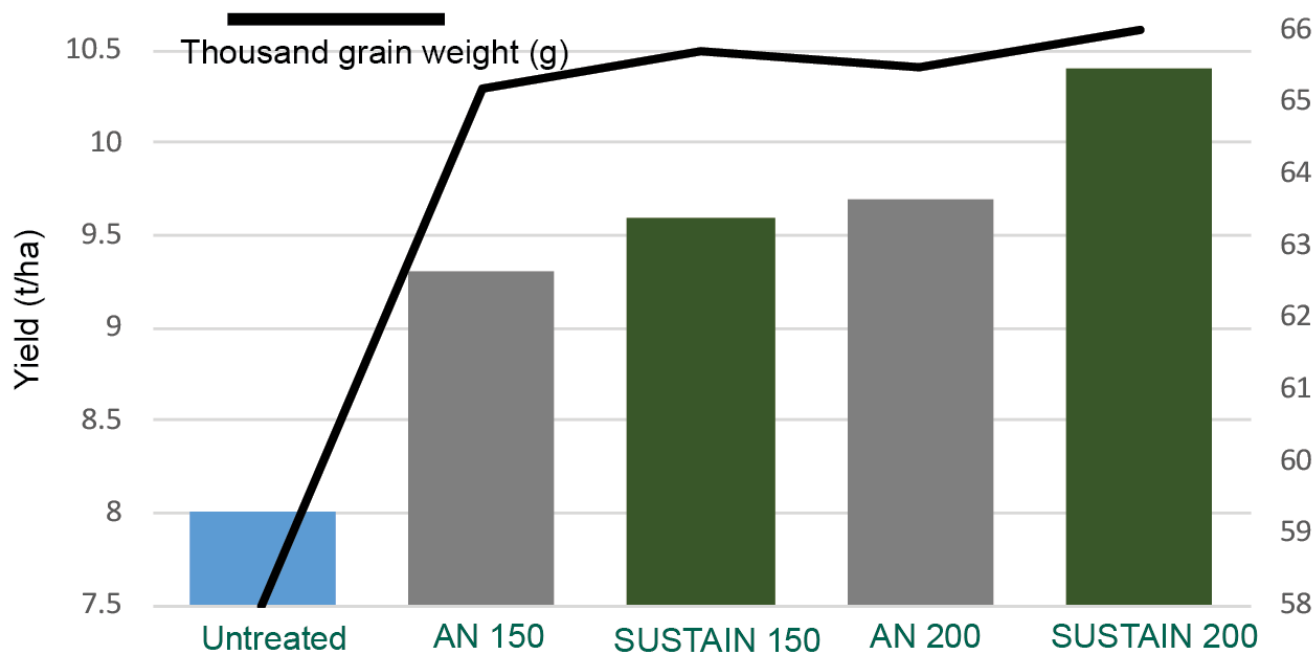


Treatments:

Nitrogen Rate (kg N/Ha)	Product Required (kg/Ha)	
	Ammonium Nitrate	SUSTAIN®
150	435	326
200	580	435

Application Splits: 150kg N - 5-15 March 50kg; 1-10 April 70kg N; 1-10 May 30kg N; 200kg N - 5-15 March 50kg; 1-10 April 70kg N; 1-10 May 80kg N

Results: N-types on Winter Wheat Cocoon yield (t/ha grain)



Conclusions:

- High nitrogen content of SUSTAIN® fertiliser means 33% less product is required to supply equal nitrogen compared to ammonium nitrate
- SUSTAIN® gave significantly greater yields at 200kg N compared to ammonium nitrate (P=0.05). SUSTAIN® fertiliser gave equal yields at 150kg N compared to ammonium nitrate (P=0.05)
- SUSTAIN® produced equal Thousand Grain Weight compared to ammonium nitrate at all nitrogen rates (P=0.05)