

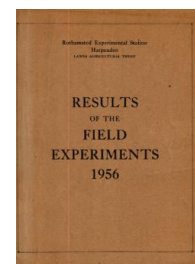
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Yields of the Field Experiments 1956

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56/R/CC/1 Spring Oats - Varieties and N

Rothamsted Research

Rothamsted Research (1957) *56/R/CC/1 Spring Oats - Varieties and N* ; Yields Of The Field Experiments 1956, pp 82 - 82 - DOI: <https://doi.org/10.23637/ERADOC-1-176>

56/Cc/1

SPRING OATS

Varieties and levels of nitrogen - Pastures 1956.

Design: 3 randomized blocks of 8 plots each, plots being split into 2 for the application of nitrogen.

Area of each sub plot: 0.0101 acres. Area harvested: 0.0067 acres.

Treatments: All combinations of:

Whole plots. Varieties: Blenda (1); Deva (2); Flamande (3);
Milford (4); Opus (5); Palu (6); Sun II (7); de Wattines (8).
Sub plots. Nitrogen: None; 0.36 cwt N per acre applied as
'Nitro-Chalk'.

Basal dressing: 4 cwt compound granular fertilizer (9% N, 9% P₂O₅, 15% K₂O) per acre.

Cultivations, etc.: Ploughed: Nov 15 - Dec 3, 1955. Basal fertilizer applied: Mar 13, 1956. 'Nitro-Chalk' applied: Mar 20. Seed drilled at 3½ bushels per acre: Mar 22. Grass seed undersown at 30 lb per acre: Apr 26. Combine harvested: Sept 15. Previous crop: Barley.

Standard errors per plot, Grain (at 85% dry matter):

Whole plot: 1.79 cwt per acre or 7.5% (14 d.f.)
Sub plot: 1.19 cwt per acre or 5.0% (16 d.f.)

Summary of Results

Grain (at 85% dry matter): cwt per acre

N: cwt per acre (including basal)	Variety								Mean
	1	2	3	4	5	6	7	8	
	(±1.14)*								
0.36	22.9	24.2	26.9	12.9	19.1	25.6	25.4	26.5	22.9
0.72	23.6	25.6	26.9	14.1	20.2	30.2	25.3	29.9	24.5
Mean (±1.03)	23.2	24.9	26.9	13.5	19.7	27.9	25.3	28.2	23.7
Difference (±0.97)	+0.7	+1.4	0.0	+1.2	+1.1	+4.6	-0.1	+3.4	+1.6
									(±0.34)

* for use in comparisons other than vertical.

Mean dry matter % as harvested: 75.2