

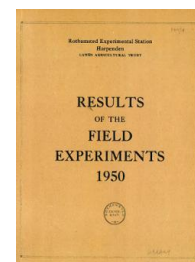
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# Yields of the Field Experiments 1950

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## 50/CC/1 Spring Oats - Late Application of Nitrogen - Rothamsted

### Rothamsted Research

Rothamsted Research (1951) *50/CC/1 Spring Oats - Late Application of Nitrogen - Rothamsted* ;  
Yields Of The Field Experiments 1950, pp 64 - 64 - DOI: <https://doi.org/10.23637/ERADOC-1-185>

50/Cc/1

SPRING OATS

Late application of nitrogen - Great Harpenden II 1950.

System of replication: 4 randomized blocks of 3 plots each.

Area of each plot: 0.0192 acre.

Treatments:

Nitrochalk: None,  $1\frac{1}{2}$ , 3 cwt per acre as a top-dressing.

Basal Manuring: 2 cwt sulphate of ammonia, and  $1\frac{1}{4}$  cwt superphosphate per acre.

Cultivations, etc.: Ploughed: Sept 12-30, and again Dec 6-8.

Springtine harrowed both ways: Mar 14-15. Sulphate of ammonia drilled: Mar 18. Seed and superphosphate drilled and harrowed in: Mar 21-22. Ring rolled: Mar 25. Nitrochalk applied by hand: June 27. Harvested: Aug 10. Variety: Sun II. Previous crop: Wheat.

Standard errors per plot:

Grain: 2.16 cwt per acre or 7.2% (6 d.f.)

Straw: 2.06 cwt per acre or 3.8% (6 d.f.)

Summary of Results

|                      | Nitrochalk: cwt per acre as top dressing |                |      | Mean |
|----------------------|--|----------------|------|------|
|                      | None                                     | $1\frac{1}{2}$ | 3    |      |
|                      | cwt per acre                             |                |      |      |
| Grain ( $\pm 1.08$ ) | 31.4                                     | 30.0           | 28.8 | 30.1 |
| Straw ( $\pm 1.03$ ) | 53.9                                     | 54.1           | 53.0 | 53.7 |

Note

Analytical results showing increases in crude protein due to late nitrogen are given on page 116 of the Station's Annual Report for 1950.