

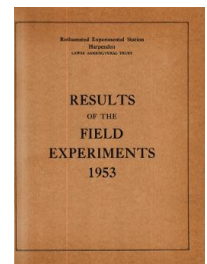
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# Yields of the Field Experiments 1953

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

### Rothamsted Research

Rothamsted Research (1954) *53/CC/1 Spring Oats - Late Application of Nitrogen - Rothamsted* ;  
Yields Of The Field Experiments 1953, pp 84 - 84 - DOI: <https://doi.org/10.23637/ERADOC-1-173>

53/Cc/1

# SPRING OATS

Late application of nitrogen - Great Field II 1953.

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

Area of each plot: 0.0204 acre. Area harvested: 0.0103 acre.

## Treatments:

Nitrogen: None; 0.23; 0.46 cwt per acre applied as nitrochalk top dressing.

Basal dressing: 2 cwt nitrochalk per acre.

Cultivations, etc.: Ploughed: Sept 26, 1952. Seed drilled at 3 bushels per acre with basal nitrochalk: Feb 26, 1953. Nitrochalk applied: June 26. Combine harvested: Sept 10. Variety: Marne. Previous crop: Barley.

Standard error per plot:

Grain: 2.50 cwt per acre or 6.0% (6 d.f.)

## Summary of Results

|                      |  | Nitrogen (as nitrochalk top dressing): cwt per acre |      |      | Mean |
|----------------------|--|-----------------------------------------------------|------|------|------|
|                      |  | None                                                | 0.23 | 0.46 |      |
| <hr/>                |  |                                                     |      |      |      |
|                      |  | Yield: cwt per acre                                 |      |      |      |
| Grain ( $\pm 1.25$ ) |  | 42.1                                                | 41.5 | 40.9 | 41.5 |
| Straw <sup>†</sup>   |  | 42.4                                                | 43.7 | 42.0 | 42.7 |
|                      |  | Crude protein: cwt per acre                         |      |      |      |
| Grain                |  | 5.05                                                | 5.16 | 5.21 |      |
| Increase             |  |                                                     | 0.11 | 0.16 |      |
| Straw                |  | 1.62                                                | 1.85 | 1.90 |      |
| Increase             |  |                                                     | 0.23 | 0.28 |      |
|                      |  | Percentage uptake of added nitrogen                 |      |      |      |
| Grain                |  |                                                     | 8    | 5    |      |
| Straw                |  |                                                     | 16   | 9    |      |

\*Corrected to 85% dry matter. Mean dry matter %: 78.2.