

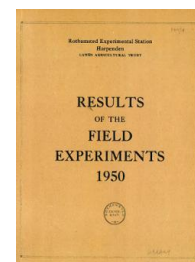
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Yields of the Field Experiments 1950

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50/CA/5 Wheat - Late Application of Nitrogen - Rothamsted

Rothamsted Research

Rothamsted Research (1951) *50/CA/5 Wheat - Late Application of Nitrogen - Rothamsted* ; Yields Of The Field Experiments 1950, pp 62 - 62 - DOI: <https://doi.org/10.23637/ERADOC-1-185>

50/Ca/5

WHEAT

Late application of nitrogen - West Barnfield I 1950.

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

Area of each plot: 0.0187 acre.

Treatments:

Nitrochalk: None, none but plots walked over as for broadcasting,
 $1\frac{1}{2}$, 3 cwt per acre applied as a top dressing.

Basal manuring: $1\frac{3}{4}$ cwt sulphate of ammonia and 1 cwt superphosphate per acre.

Cultivations, etc.: Ploughed: Sept 45-19. Rolled and springtine harrowed: Oct 14. Harrowed: Oct 15. Seed and superphosphate drilled and harrowed in: Oct 17. Harrowed: Mar 28. Rolled: Mar 31. Sulphate of ammonia drilled: May 3. Sprayed with low volume 2, 4-D: May 18. Nitrochalk applied by hand: June 28. Harvested: Aug 14. Variety: Squareheads Master $1\frac{3}{4}$. Previous crop: Wheat.

Standard errors per plot.

Grain: 2.59 cwt per acre or 10.0% (9 d.f.)

Straw: 8.25 cwt per acre or 16.3% (9 d.f.)

Summary of Results

| | Nitrochalk: cwt per acre as top dressing | | | | Mean |
|----------------------|--|------------------------------|----------------|------|------|
| | None | None plots walked over | $1\frac{1}{2}$ | 3 | |
| | cwt per acre | | | | |
| Grain (± 1.30) | 24.5 | 27.6 | 25.9 | 25.5 | 25.9 |
| Straw (± 4.12) | 49.0 | 51.7 | 51.3 | 50.6 | 50.7 |

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.