

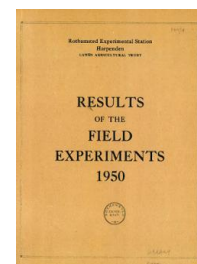
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## Yields of the Field Experiments 1950

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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 ( $\pm 1.30$ )	24.5	27.6	25.9	25.5	25.9
Straw ( $\pm 4.12$ )	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.