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Yields of the Field Experiments 1950

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50/CB/1 Barley - Late Application of Nitrogen - Rothamsted

Rothamsted Research

Rothamsted Research (1951) *50/CB/1 Barley - Late Application of Nitrogen - Rothamsted* ; Yields Of The Field Experiments 1950, pp 63 - 63 - DOI: <https://doi.org/10.23637/ERADOC-1-185>

BARLEY

Late application of nitrogen - Long Hoos V 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 applied as a top dressing.

Basal manuring: $1\frac{1}{2}$ cwt sulphate of ammonia per acre.

Cultivations, etc.: Ploughed: Sept 27-Oct 3. Springtine harrowed: Mar 8 and 11. Harrowed: Mar 13. Sulphate of ammonia drilled: Mar 14. Seed drilled, harrowed in and ring rolled: Mar 16. Sprayed with high volume 2, 4-D: May 12. Nitrochalk applied by hand: June 27. Harvested: Aug 8. Variety: Plumage Archer. Previous crop: Beans.

Standard errors per plot:

Grain: 1.51 cwt per acre or 6.6% (6 d.f.)

Straw: 2.16 cwt per acre or 7.4% (6 d.f.).

Summary of Results

	Nitrochalk: cwt per acre as top dressing			Mean
	None	$1\frac{1}{2}$	3	
	cwt per acre			
Grain (± 0.76)	22.7	22.7	23.1	22.9
Straw (± 1.08)	28.2	29.6	29.5	29.1

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.