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Yields of the Field Experiments 1951

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

Rothamsted Research

Rothamsted Research (1952) *51/CA/5 Wheat - Late Application of Nitrogen - Rothamsted* ; Yields Of The Field Experiments 1951, pp 68 - 68 - DOI: <https://doi.org/10.23637/ERADOC-1-171>

51/Ca/5

WHEAT

Late application of nitrogen - West Barnfield II, 1951.

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

Area of each plot: 0.0136 acre.

Treatments:

Nitrochalk: None; $1\frac{1}{2}$; 3 cwt per acre applied as a late top dressing.

Basal manuring: $\frac{3}{4}$ cwt superphosphate per acre, drilled with seed, $2\frac{1}{2}$ cwt sulphate of ammonia per acre as a spring dressing.

Cultivations, etc.: Ploughed: Oct 5. Seed drilled at 3 bushels per acre, with superphosphate: Oct 24. Sulphate of ammonia drilled: Mar 25. Nitrochalk applied: July 5. Harvested: Aug 27. Variety: Nord Desprez. Previous crop: Spring Beans.

Standard errors per plot:

Grain: 1.58 cwt per acre or 4.3% (14 d. f.)
 Straw: 2.00 cwt per acre or 4.7% (14 d. f.)

Summary of Results

	Nitrochalk: cwt per acre as top dressing			Mean
	None	$1\frac{1}{2}$	3	
Yield: cwt per acre				
Grain (± 0.56)	36.7	35.9	36.4	36.3
Straw (± 0.71)	42.8	44.0	42.0	42.9
Crude protein: cwt per acre				
Grain	3.53	3.51	3.62	
Increase		-0.02	0.09	
Straw	1.28	1.44	1.36	
Increase		0.16	0.08	
Percentage uptake of added Nitrogen				
Grain		-1	3	
Straw		12	3	