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Yields of the Field Experiments 1953

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53/CA/6 Wheat - Late Application of Nitrogen - Rothamsted

Rothamsted Research

Rothamsted Research (1954) *53/CA/6 Wheat - Late Application of Nitrogen - Rothamsted* ; Yields Of The Field Experiments 1953, pp 76 - 76 - DOI: <https://doi.org/10.23637/ERADOC-1-173>

53/Ca/6

WHEAT

Late application of nitrogen - Highfield 1953.

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

Area of each plot: 0.0204 acre.

Treatments:

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

Basal dressing: 2 cwt sulphate of ammonia per acre.

Cultivations, etc.: Ploughed: Aug 23, 1952. Seed drilled at 3 bushels per acre: Oct 30. Sulphate of ammonia applied: Apr 29, 1953. Nitrochalk applied: June 26. Harvested: Aug 19. Variety: Nord Desprez. Previous crop: Wheat.

Standard error per plot:

Grain: 1.12 cwt per acre or 3.5% (6 d.f.)

Summary of Results

	Nitrogen (as nitrochalk top dressing): cwt per acre			Mean
	None	0.23	0.46	
Yield: cwt per acre				
Grain (± 0.56)	31.8	32.2	31.8	31.9
Straw ^x	44.6	43.3	43.3	43.7
Crude protein: cwt per acre				
Grain	3.79	3.91	3.88	
Increase		+0.12	+0.09	
Straw	1.78	1.73	1.82	
Increase		-0.05	+0.04	
Percentage uptake of added nitrogen				
Grain		+8	+3	
Straw		-3	+1	

^xCorrected to 85% dry matter. Mean dry matter %: 83.6.