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# Yields of the Field Experiments 1953

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## 53/CC/1 Spring Oats - Late Application of Nitrogen - Rothamsted

### Rothamsted Research

Rothamsted Research (1954) *53/CC/1 Spring Oats - Late Application of Nitrogen - Rothamsted* ;  
Yields Of The Field Experiments 1953, pp 84 - 84 - DOI: <https://doi.org/10.23637/ERADOC-1-173>

53/Cc/1

SPRING OATS

Late application of nitrogen - Great Field II 1953.

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

Area of each plot: 0.0204 acre. Area harvested: 0.0103 acre.

Treatments:

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

Basal dressing: 2 cwt nitrochalk per acre.

Cultivations, etc.: Ploughed: Sept 26, 1952. Seed drilled at 3 bushels per acre with basal nitrochalk: Feb 26, 1953. Nitrochalk applied: June 26. Combine harvested: Sept 10. Variety: Marne. Previous crop: Barley.

Standard error per plot:

Grain: 2.50 cwt per acre or 6.0% (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 ( $\pm 1.25$ )	42.1	41.5	40.9	41.5
Straw <sup>*</sup>	42.4	43.7	42.0	42.7
Crude protein: cwt per acre				
Grain	5.05	5.16	5.21	
Increase		0.11	0.16	
Straw	1.62	1.85	1.90	
Increase		0.23	0.28	
Percentage uptake of added nitrogen				
Grain		8	5	
Straw		16	9	

<sup>\*</sup>Corrected to 85% dry matter. Mean dry matter %: 78.2.