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Yields of the Field Experiments 1951



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Rothamsted Research

Rothamsted Research (1952) 51/CC/1 Spring Oats - Late Application of Nitrogen - Rothamsted; Yields Of The Field Experiments 1951, pp 70 - 70 - DOI: https://doi.org/10.23637/ERADOC-1-171

51/Co/1

SPRING OATS

Late application of nitrogen - Great Harpenden II 1951.

System of replication: 8 randomized blocks of 3 plots each.

Area of each plot: 0.0186 acre.

Treatments:

Nitrochalk: None; 1½; 3 cwt per acre applied as a late top dressing.

Basal manuring: 1½ cwt Superphosphate per acre drilled with the seed;
12 cwt Sulphate of ammonia per acre as a top dressing.

Cultivations, etc.: Ploughed: Dec 23. Seed drilled at 4 bushels per acre with Superphosphate: Apr 19. Sulphate of ammonia applied: June 4. Nitrochalk applied: July 5. Harvested: Aug 23. Variety: Sun II. Previous crop: Spring Oats.

Standard errors per plot:

Grain: 0.814 cwt per acre or 4.4% (14 d.f.) Straw*: 1.06 cwt per acre or 7.7% (14 d.f.)

Summary of Results

	Nitrochalk: cwt per acre, as top dressing			
	None	1 1 2	3	Mean
	eld: cwt p	per acre		1
Grain (±0.29)	17.7	18.4	18.7	18.3
Straw* (±0.38)	12.8	13.9	14.8	13.8
Crude	protein:	ewt per	acre	
Grain Increase	1.98	2.18 0.20	2.29	-
Straw	0.55	0.74		
Increase	*	0.19	0.39	}
Percenta	ge uptake	of adde	d nitrogen	
Grain		14	11	
Straw		13	14	

^{*}Corrected to 85% dry matter owing to variable conditions during harvesting.