ROTHAMSTED RESEARCH

Yields of the Field Experiments 1950

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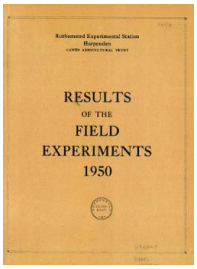

50/CC/1 Spring Oats - Late Application of Nitrogen - Rothamsted

Rothamsted Research

Rothamsted Research (1951) *50/CC/1 Spring Oats - Late Application of Nitrogen - Rothamsted ;* Yields Of The Field Experiments 1950, pp 64 - 64 **- DOI: https://doi.org/10.23637/ERADOC-1-185**

SPRING OATS

Late application of nitrogen - Great Harpenden II 1950.

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

Area of each plot: 0.0192 acre.

Treatments:
Nitrochalk: None, 1½, 3 cwt per acre as a top-dressing.

Basal Manuring: 2 cwt sulphate of ammonia, and 1¼ cwt superphosphate per acre.

Cultivations, etc.: Ploughed: Sept 12-30, and again Dec 6-8. Springtine harrowed both ways: Mar 14-15. Sulphate of ammonia drilled: Mar 18. Seed and superphosphate drilled and harrowed in: Mar 21-22. Ring rolled: Mar 25. Nitrochalk applied by hand: June 27. Harvested: Aug 10. Variety: Sun II. Previous crop: Wheat.

Standard errors per plot:
Grain: 2.16 cwt per acre or 7.2% (6 d.f.)
Straw: 2.06 cwt per acre or 3.8% (6 d.f.)

Summary of Results

	Nitrochalk: cwt per acre as top dressing			Mean
	None	1½	3	
	cwt per acre			
Grain (±1.08)	31.4	30.0	28.8	30.1
Straw (±1.03)	53.9	54.1	53.0	53.7

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.

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