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Numerical Results of the Field Experiments 1968

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68/C/32 Levels of N for Winter Wheat After Spring Beans

Rothamsted Research

Rothamsted Research (1970) *68/C/32 Levels of N for Winter Wheat After Spring Beans* ; Numerical Results Of The Field Experiments 1968, pp 249 - 250 - **DOI:**

<https://doi.org/10.23637/ERADOC-1-58>

68/c/32.1

WINTER WHEAT

(WCL)

Levels of N for winter wheat after spring beans - Woburn Lansome III
1968, the second year.

Design: 3 blocks of 4 plots, split into 3.

Area of each sub plot: 0.0072. Area harvested: 0.0019.

Treatments: All combinations of:-

Whole plots: 1. Levels of N to beans 1967: None (R0), 1.0 (R2),
2.0 (R4), 3.0 (R6) cwt N as 'Nitro-Chalk'.

Sub plots: 2. Levels of N 1968: None (N0), 0.5 (N1), 1.0
(N2) cwt N as 'Nitro-Chalk'.

Basal applications: 340 lb (0:14:28) combine drilled. Weedkiller:
Ioxynil/mecoprop (Actril C at 6 pts in 25 gals).

Cultivations, etc.: Sub-soiled both directions: 21 Sept, 1967.

Deep-tine cultivated: 22 Sept. Seed combine drilled at

180 lb: 13 Oct. 'Nitro-Chalk' applied: 17 Apr, 1968.

Weedkiller applied: 23 Apr. Combine harvested: 23 Aug.

Variety: Cappelle.

NOTE: For the previous year's results see 'Results' 67/c/39.

Standard errors per plot. Grain:

Whole plot: 1.92 or 4.8% (6 d.f.)

Sub plot: 2.39 or 6.0% (16 d.f.)

68/c/32.2

SUMMARY OF RESULTS

	GRAIN				Mean
	R0	R2	R4	R6	
	(1) and (2)				(± 0.69)
N0	27.9	30.8	31.1	35.2	31.3
N1	42.3	44.8	44.7	47.2	44.7
N2	45.5	43.9	41.8	42.9	43.5
Mean (± 1.11)	38.6	39.8	39.2	41.8	39.8

(1) (± 1.58) For use in horizontal and diagonal comparisons only(2) (± 1.38) For use in vertical and interaction comparisons only

Mean D.M. %: 79.3