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

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

	RO	R2	R4	R6	Mean
		(1) and (2)			(±0.69)
NO	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