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Yields of the Field Experiments 1962

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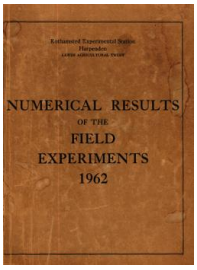

62/R/DA/1 Winter Wheat - Varieties and N

Rothamsted Research

Rothamsted Research (1963) *62/R/DA/1 Winter Wheat - Varieties and N ;* Yields Of The Field Experiments 1962, pp 124 - 124 **- DOI: https://doi.org/10.23637/ERADOC-1-164**

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WINTER WHEAT

Varieties and Nitrogen - Long Hoos IV 1962.

Design: 4 randomised blocks of 16 plots each.

Area of each plot: 0.0212 acres. Area harvested: 0.0141 acres.

Treatments. All combinations of:-
Varieties: Cappelle (Ca); Champlein (Ch); Professeur Marchal (M); Viking (V).
Nitrogen: None; 0.3; 0.6; 0.9 cwt N per acre applied as 'Nitro-Chalk'.

Basal dressing: $2\frac{1}{2}$ cwt compound fertiliser (20% P_2O_5, 20% K_2O) per acre combine drilled.

Cultivations, etc.: Ploughed: 13 Sept, 1961. Seed drilled at $2\frac{3}{4}$ bushels per acre: 12 Oct. 'Nitro-Chalk' applied: 6 Apr, 1962. Sprayed with CMPP at 6 pints in 40 gallons per acre: 24 Apr. Combine harvested: 8 Sept. Previous crops: Beans 1961; various crops (6 Course Rotation experiment) 1960.

Standard error per plot.
Grain (at 85% dry matter): 2.23 cwt per acre or 5.4% (45 d.f.)

Summary of Results

Grain (at 85% dry matter): cwt per acre

N: cwt per acre	Variety Ca	Ch	M	V	Mean
		(±1.11)			(±0.55)
None	27.2	28.4	32.3	28.7	29.1
0.3	38.0	36.3	40.1	39.7	38.5
0.6	45.7	46.8	47.9	45.2	46.4
0.9	50.4	52.6	52.3	47.9	50.8
Mean (±0.55)	40.3	41.0	43.2	40.4	41.2

Mean dry matter % as harvested: 79.7