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Yields of the Field Experiments 1958

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58/R/CA/3 Winter Wheat - Varieties and N

Rothamsted Research

Rothamsted Research (1959) *58/R/CA/3 Winter Wheat - Varieties and N* ; Yields Of The Field Experiments 1958, pp 80 - 80 - DOI: <https://doi.org/10.23637/ERADOC-1-181>

58/Ca/3

WINTER WHEAT

Varieties and levels of nitrogen - Long Hoos V 1958.

Design: 3 randomized blocks of 8 plots each, plots being split into 2 for the application of nitrogen.

Area of each sub plot: 0.0116 acres. Area harvested: 0.0077 acres.

Treatments: All combinations of:-

Whole plots. Varieties: Banco (1); Cappelle (2); Heine 7 (3); Hybrid 46 (4); Leda (5); Marne (6); Minister (7); Pia (8).

Sub plots. Nitrogen: 0.5; 1.0 cwt N per acre applied as 'Nitro-Chalk'.

Basal dressing: 4 cwt compound fertilizer (5% N, 12 $\frac{1}{2}$ % P₂O₅, 12 $\frac{1}{2}$ % K₂O) per acre combine drilled with the seed.

Cultivations, etc.: Ploughed: Oct 15, 1957. Seed combine drilled at 2 $\frac{3}{4}$ bushels per acre: Oct 23. 'Nitro-Chalk' applied: Apr 16, 1958. Sprayed with CMPP at 6 pints in 40 gallons per acre: Apr 30. Combine harvested: Sept 5. Previous crop: Spring beans.

Standard errors per plot, Grain (at 85% dry matter):

Whole plot: 1.38 cwt per acre or 3.3% (14 d.f.)

Sub plot: 1.98 cwt per acre or 4.7% (16 d.f.)

Summary of Results

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

N: cwt per acre (including basal)	Variety								Mean	
	1	2	3	4	5	6	7	8		
	(±1.13)*									
0.7	38.8	47.3	44.2	47.0	43.1	40.0	46.0	40.6	43.4	
1.2	33.3	48.2	41.7	43.5	34.6	43.0	43.3	36.4	40.5	
Mean	(±0.79)	36.0	47.8	42.9	45.3	38.8	41.5	44.6	38.5	41.9
Difference	(±1.62)	-5.5	+0.9	-2.5	-3.5	-8.5	+3.0	-2.7	-4.2	-2.9
										(±0.57)

* for use in comparisons other than vertical.

Mean dry matter % as harvested: 75.4