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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

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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, 12½ P205, 12½ K20) 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)	2	3		iety 5	6	7	8	Mean
	(±1.13)**							
0.7				43.1 34.6				
Mean (±0.79 Difference (±1.69								

^{*}for use in comparisons other than vertical.

Mean dry matter % as harvested: 75.4