

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1958

[Full Table of Content](#)



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