ROTHAMSTED RESEARCH

Yields of the Field Experiments 1957

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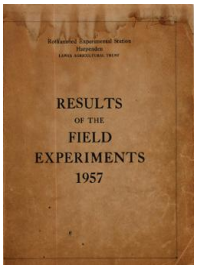

57/R/CA/5 Spring Wheat - Varieties and N

Rothamsted Research

Rothamsted Research (1958) *57/R/CA/5 Spring Wheat - Varieties and N ;* Yields Of The Field Experiments 1957, pp 73 - 73 **- DOI: https://doi.org/10.23637/ERADOC-1-177**

57/Ca/5

SPRING WHEAT

Varieties and levels of nitrogen - Great Knott III 1957.

Design: 3 randomized blocks of 7 plots each, plots being split into 2 for the application of nitrogen.

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

Treatments: All combinations of:-
Whole plots. Varieties: Atle (1); Atson (2); Koga II (3); Miana (4); Peko (5); Progress (6); Svenno (7).
Sub plots. Nitrogen: 0.4; 0.8 cwt N per acre applied as sulphate of ammonia.

Basal dressing: None.

Cultivations, etc.: Ploughed: Nov 30, 1956. Nitrogen applied, seed drilled at 3¼ bushels per acre: Apr 1, 1957. Sprayed with MCPA at 3 pints in 40 gallons per acre: May 8. Combine harvested: Aug 30. Previous crop: Potatoes.

Standard errors per plot, Grain (at 85% dry matter):
Whole plot: 1.21 cwt per acre or 4.7% (12 d.f.)
Sub plot: 1.00 cwt per acre or 3.9% (14 d.f.)

Summary of Results

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

N: cwt per acre	Variety 1	2	3	4	5	6	7	Mean
				(±0.81)*				
0.4	24.5	27.0	30.1	26.2	25.5	25.3	24.6	26.2
0.8	25.1	26.4	27.6	26.7	24.9	25.0	24.3	25.7
Mean (±0.70)	24.8	26.7	28.8	26.4	25.2	25.1	24.5	25.9
Difference (±0.82)	+0.6	-0.6	-2.5	+0.5	-0.6	-0.3	-0.3	-0.5 (±0.31)

*for use in comparisons other than vertical.

Mean dry matter % as harvested: 82.7

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