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Yields of the Field Experiments 1965

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65/R/RW301/DA/1 Winter Wheat - Varieties and N

Rothamsted Research

Rothamsted Research (1966) *65/R/RW301/DA/1 Winter Wheat - Varieties and N* ; Yields Of The Field Experiments 1965, pp 239 - 240 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/Da/2.1

WINTER AND SPRING WHEAT

(RW 201)

Varieties and nitrogen - Long Hoos IV 1965.

Design: 4 randomised blocks of 12 plots each, with 6 winter and 6 spring wheat plots in separate sub-blocks.

Area of each plot: 0.0192. Area harvested: 0.0129.

Treatments: All combinations of:-

1. Varieties: Winter wheat:- Cappelle (C), Rothwell Perdix (R).
Seed rate 175 lb.
Spring wheat:- Kloka (K), Opal (O). Seed rate 188 lb.
2. Nitrogen: 0.5 (N1), 0.75 (N2), 1.00 cwt (N3) N as 'Nitro-Chalk'.

Basal applications:

Winter wheat: 280 lb (6:15:15) combine drilled Mecoprop/2,4-D (Methoxone Extra at 7 pints in 40 gals).

Spring wheat: 210 lb (0:20:20) combine drilled Mecoprop/2,4-D (Methoxone Extra at 6 pints in 40 gals).

Cultivations, etc.: Chisel ploughed: Sept 23, 1964. Winter wheat drilled: Oct 22. Spring wheat drilled: Mar 30, 1965. 'Nitro-Chalk' applied: Spring wheat - Apr 2, winter wheat - Apr 13. Winter wheat sprayed: May 6. Spring wheat sprayed: May 13. Combine harvested: Sept 20. Previous crops: Winter wheat 1963, potatoes 1964.

Standard errors per plot. Grain:

Winter wheat: 2.25 or 6.7% (15 d.f.)

Spring wheat: 2.92 or 9.0% (15 d.f.)

65/Da/2.2

SUMMARY OF RESULTS

GRAIN

WINTER WHEAT

	N1	N2	N3	Mean
		(± 1.12)		(± 0.65)
C	34.9	34.2	31.6	33.6
R	33.7	32.0	35.1	33.6
Mean (± 0.79)	34.3	33.1	33.4	33.6

Mean D.M. %: 79.4

SPRING WHEAT

		(± 1.46)		(± 0.84)
K	34.2	33.9	35.4	34.5
O	32.3	28.0	29.9	30.1
Mean (± 1.03)	33.3	31.0	32.7	32.3

Mean D.M. %: 79.7