

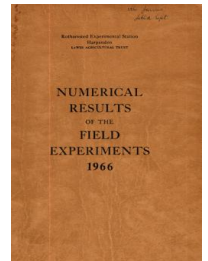
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66/R/RW401/DA/8 Winter Wheat and Spring Wheat - Varieties and N

Rothamsted Research

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66/Da/8.1

WINTER AND SPRING WHEAT

(RW 401)

Varieties and nitrogen - Great Knott I 1966.

Design: 4 randomised blocks of 8 plots.

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

Treatments: All combinations of:-

1. Varieties: Winter wheat - Cappelle (C), Rothwell Perdix (P), spring wheat - Klokka (K), Jufy I (J).
2. Nitrogen: 0.4 (N1), 1.0 (N2) cwt N as 'Nitro-Chalk', top-dressed, in addition to basal.

Basal applications: 300 lb (6:15:15) combine drilled. Weedkiller: Mecoprop/2,4-D (Methoxone Extra at 6 pints in 36 gals).

Cultivations, etc.: Deep-tine cultivated twice: Nov 3, 1965.

Seed drilled at 190 lb: Feb 17, 1966*. 'Nitro-Chalk' applied: Apr 14. Sprayed: May 14. Combine harvested: Sept 6. Previous crops: Barley 1964, potatoes 1965

Standard error per plot.

Grain: 2.13 or 5.1% (21 d.f.)

* Drilling of winter wheat was delayed by weather and so all varieties were sown on the same date.

66/Da/8.2

SUMMARY OF RESULTS

GRAIN

	C	P	K	J	Mean
		(±1.06)			(±0.53)
N1	40.5	38.3	37.5	42.9	39.8
N2	45.3	40.5	43.5	44.1	43.3
Mean (±0.75)	42.9	39.4	40.5	43.5	41.6

Mean D.M. %: 83.0