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Yields of the Field Experiments 1965

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65/R/RW501/DA/4 Winter Wheat - Spun Seed

Rothamsted Research

Rothamsted Research (1966) *65/R/RW501/DA/4 Winter Wheat - Spun Seed ; Yields Of The Field Experiments 1965*, pp 247 - 248 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/Da/4.1

WINTER WHEAT

(RW 501)

Spun seed and cultivations, Whittlocks 1965.

Design: 4 randomised blocks of 3 plots, split into 2 for seed rate (unrandomised).

Area of each sub-plot: 0.0103. Area harvested: 0.0068.

Treatments: All combinations of:-

1. Seedbed cultivations: Harrow, sow, harrow (S), sow, spring-tine cultivate, harrow (P), sow, harrow (R).
2. Seed rates: 220 (L), 280 lb (H) broadcast across plots by spinner.

Basal applications: 310 lb (6:15:15) applied by spinner before sowing, 0.84 cwt N as 'Nitro-Chalk' top-dressed in spring. Weedkiller: Mecoprop/2,4-D (Methoxone Extra at 7 pints in 40 gals).

Cultivations, etc.: Chisel ploughed: Oct 5, 1964. Spring-tine cultivated: Oct 22. Basal NPK applied, S plots harrowed, seed sown, P plots spring-tine cultivated, all plots harrowed: Oct 28. All plots harrowed: Apr 7, 1965. 'Nitro-Chalk' applied: Apr 21. Sprayed: Apr 30. Combine harvested: Sept 14. Variety: Cappelle. Previous crops: Spring wheat 1963, potatoes 1964.

Standard errors per plot. Grain:
Whole plot: 2.85 or 8.0% (6 d.f.)
Sub plot: 3.01 or 8.5% (9 d.f.)

65/Da/4.2

SUMMARY OF RESULTS

GRAIN

	S	P	R	Mean
	(1) and (2)			
L	40.3	36.5	37.1	38.0
H	34.4	31.7	32.5	32.8
Mean (± 1.42)	37.3	34.1	34.8	35.4

Mean D.M. %: 80.0

(1) (± 1.78) For use in horizontal comparisons only

(2) (± 1.51) For use in interaction comparisons only