

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 1965

[Full Table of Content](#)



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