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Yields of the Field Experiments 1966

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66/R/RW301/DA/2 Winter Wheat - Spun Seed

Rothamsted Research

Rothamsted Research (1967) *66/R/RW301/DA/2 Winter Wheat - Spun Seed* ; Yields Of The Field Experiments 1966, pp 247 - 248 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/Da/2.1

WINTER WHEAT

(RW 301)

Spun and drilled seed, and cultivations, Great Knott I 1966.

Design:

Spun seed: 6 randomised blocks of 4 plots, with seed rates on strips of 3 blocks.

Drilled seed: 6 randomised blocks of 2 plots.

Area of each plot: 0.0135. Area harvested: 0.0096.

Treatments:

Spun seed: all combinations of:-

To strips of 3 blocks: (1) Seed rate: 190 lb (L), 250 (H).

To plots: (2) Seedbed cultivations: spring-tine cultivate, harrow, sow, harrow (C1). Disc, sow, harrow (C2). Spring-tine cultivate, sow, harrow (C3). Spring-tine cultivate, sow, spring-tine cultivate, harrow (C4).

Drilled seed: Seedbed cultivations C1, C3 as above (all at seed-rate L).

Basal applications: 310 lb (6:15:15) broadcast by distributor, 0.94 cwt N as 'Nitro-Chalk' top dressed in spring. Weedkiller: Ioxynil/MCPA (Actril A at 2 pints in 40 gals).

Cultivations, etc.: Deep-tine cultivated twice: Nov 3, 1965. Basal NPK applied, pre-sowing treatments carried out: Nov 5. Seed sown, post-sowing treatments carried out: Nov 6. Weedkiller applied: Apr 29, 1966. 'Nitro-Chalk' applied: May 2. Combine harvested: Aug 23. Variety: Cappelle. Previous crops: Barley 1964, potatoes 1965.

Standard error per plot (pooled spun and drilled seed):
Grain: 1.84 or 4.1% (17 d.f.)

66/Da/2.2

SUMMARY OF RESULTS

GRAIN

SPUN SEED

	C1	C2	C3	C4	Mean
	(± 1.06)*				
L	48.4	47.2	46.6	45.0	46.8
H	44.1	43.0	43.1	45.9	44.0
Mean (± 0.75)	46.2	45.1	44.9	45.5	45.4

* For use in horizontal and interaction comparisons only

DRILLED SEED

	C1	C3	Mean
	45.0	44.9	45.0
	(± 0.75)		

Pooled mean: 45.3

Pooled mean D.M. %: 82.2