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Yields of the Field Experiments 1966

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66/R/RB201/DB/2 Barley - Spun Seed

Rothamsted Research

Rothamsted Research (1967) *66/R/RB201/DB/2 Barley - Spun Seed* ; Yields Of The Field Experiments 1966, pp 267 - 268 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/Db/2.1

BARLEY

(RB 201)

Spun and drilled seed and cultivations - Whittlocks N.E. 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 rates 140 (L), 200 (H).

To plots: (2) Seedbed cultivations (all on Mar 10, 1966): Spring-tine cultivate, harrow, sow, harrow (C1). Spring-tine cultivate, sow, spring-tine cultivate, harrow (C2). Spring-tine cultivate twice, sow, harrow (C3). Sow, spring-tine cultivate, harrow (C4).

Drilled seed.

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

Basal applications: 4 cwt (20:10:10) broadcast by distributor.

Weedkiller: Mecoprop/2,4-D (Methoxone Extra at 6 pints in 36 gals).

Cultivations, etc.: Ploughed: Nov 1, 1965. Basal dressing applied: Mar 9, 1966. Seed sown: Mar 10. Sprayed: May 11. Combine harvested: Aug 19. Variety: Maris Badger. Previous crops: Potatoes 1964, winter wheat 1965.

Standard error per plot (pooled spun and drilled seed):

Grain: 4.53 or 12.0% (17 d.f.)

66/Db/2.2

SUMMARY OF RESULTS

GRAIN

SPUN SEED

	C1	C2	C3	C4	Mean
	(±2.62)*				
L	39.6	40.1	37.9	35.0	38.2
H	37.3	38.5	38.6	34.0	37.1
Mean (±1.85)	38.5	39.3	38.3	34.5	37.6

* For use in horizontal and interaction comparisons only

DRILLED SEED

C1	C3	Mean
36.8	39.9	38.4
(±1.85)		

Pooled mean: 37.9

Pooled mean D.M. %: 86.3