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## Numerical Results of the Field Experiments 1968

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### 68/DB/2 Spun and Drilled Seed and Cultivations - Barley

#### Rothamsted Research

Rothamsted Research (1970) *68/DB/2 Spun and Drilled Seed and Cultivations - Barley* ; Numerical Results Of The Field Experiments 1968, pp 315 - 316 - **DOI:**

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68/Db/2.1

BARLEY

(RB 201)

Spun and drilled seed and cultivations - West Barnfield II 1968.

Design: 4 randomised blocks of 4 plots, with plots split into 4.

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

Treatments:

Spun seed: All combinations of:-

Whole plot: 1. Seed rate: 140 lb (M), 200 lb (H).

Sub plot: 2. Seedbed cultivations: Plough, spring-tine cultivate, harrow, sow, harrow (C1).

Plough, spring-tine cultivate, sow, spring-tine cultivate, harrow (C2).

Plough, spring-tine cultivate twice, sow, harrow (C3).

Plough, sow, spring-tine cultivate, harrow (C4).

Drilled seed: All combinations of:

Whole plot: 1. Seed rate: 112 lb (L), 140 lb (M).

2. Seedbed cultivations: C1, C3 above (in duplicate).

Basal applications: 340 lb (25:10:10). Weedkiller: Paraquat at 0.75 lb ion in 32 gals.

Cultivations, etc.: Weedkiller applied: 6 Oct, 1967. Ploughed:

23 Oct. Basal fertiliser applied: 29 Feb, 1968. Seed sown:

1 Mar. Combine harvested: 21 Aug. Variety: Maris Badger.

Previous crops: Grass 1966, winter wheat 1967.

Standard errors per plot.

Grain: Whole plot: 1.34 or 3.9% (6 d.f.)

Sub plot: 1.90 or 5.6% (40 d.f.)

68/Db/2.2

SUMMARY OF RESULTS

GRAIN

SPUN SEED

	C1	C2	C3	C4	Mean
	(1) and (2)				( <del>±0.67</del> )
M	30.3	34.6	31.7	37.1	33.4
H	30.9	35.2	32.6	35.8	33.7
Mean (±0.67)	30.6	34.9	32.2	36.5	33.6

DRILLED SEED

	C1	C3	Mean
	(3) and (4)		( <del>±0.67</del> )
L	35.1	34.3	34.7
M	33.3	35.3	34.3
Mean ( <del>±0.47</del> )	34.2	34.8	34.5

(1) (~~±1.16~~) (3) (~~±0.82~~) For use in vertical and diagonal comparisons  
 (2) (~~±0.95~~) (4) (~~±0.67~~) For use in horizontal and interaction comparisons

General mean: 34.0  
 General mean D.M. %: 85.0