

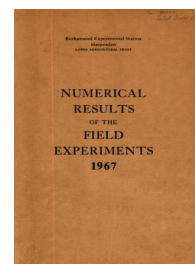
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1967

[Full Table of Content](#)



67/R/RB101/DB/1 Barley - Spun and Drilled Seed

Rothamsted Research

Rothamsted Research (1968) *67/R/RB101/DB/1 Barley - Spun and Drilled Seed* ; Yields Of The Field Experiments 1967, pp 301 - 302 - DOI: <https://doi.org/10.23637/ERADOC-1-157>

67/Db/1.1

BARLEY

(FB 101)

Spun and drilled seed and cultivations - Great Knott III 1967.

Design (each sowing method): 2 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 - duplicate treatments). Plough, spring-tine cultivate twice, sow, harrow (C3).

Drilled seed: All combinations of:-

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

Sub plot: 2. Seedbed cultivations: C1, C3 above (2 plots per block of each).

Basal applications: 340 lb (25:10:10). Weedkiller: Mecoprop/2,4-D (Methoxone Extra at 6 pints in 35 gals).

Cultivations, etc.: Ploughed: Oct 21, 1966. Basal NPK compound applied: Mar 14, 1967. Seed sown: Mar 15. Sprayed: May 11. Combine harvested: Aug 21. Variety: Maris Badger. Previous crops: Spring beans 1965, spring wheat 1966.

Standard errors per plot (pooled). Grain:

Whole plot: 1.45 or 3.5% (6 d.f.)

Sub plot: 2.39 or 5.8% (40 d.f.)

67/Db/1.2

SUMMARY OF RESULTS

GRAIN

SPUN SEED

	C1	C2	C3	Mean
	(1) and (2)	(3) and (4)	(1) and (2)	(±0.72)
M	39.8	42.6	42.2	41.8
H	39.3	41.3	41.1	40.8
Mean	39.5 (±0.84)	42.0 (±0.60)	41.6 (±0.84)	41.3

(1) (±1.26) (3) (±0.94) For use in vertical and diagonal comparisons only.

(2) (±1.19) (4) (±0.84) For use in horizontal and interaction comparisons only.

DRILLED SEED

	C1	C3	Mean
	(1) and (2)		(±0.72)
M	40.8	40.7	40.7
H	42.4	41.4	41.9
Mean (±0.60)	41.6	41.0	41.3

(1) (±0.94) For use in vertical and diagonal comparisons only

(2) (±0.84) For use in horizontal and interaction comparisons only

Pooled mean: 41.3
Pooled D.M. %: 85.6