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Numerical Results of the Field Experiments 1968

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68/DB/1 Effects of Paths and Blank Rows - Barley

Rothamsted Research

Rothamsted Research (1970) *68/DB/1 Effects of Paths and Blank Rows - Barley* ; Numerical Results Of The Field Experiments 1968, pp 313 - 314 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/Db/1.1

BARLEY

(RB 101)

Effects of paths and blank rows - West Barnfield I 1968.

Design: 4 randomised blocks of 8 plots.

Area of each plot: 0.0161. Area harvested: 0.0107.

Treatments: All combinations of:-

1. Blank rows: None, 16 middle rows harvested (R0)
2 blank rows, 3(1) 16(1) 3 sown (R1)
4 blank rows, 2(2) 16(2) 2 sown (R2)
6 blank rows, 1(3) 16(3) 1 sown (R3)
2. N: 0.5 (N1), 1.0 (N2) cwt side placed as 'Nitro-Chalk.

Plots were of 24 rows each, 16 of which were harvested. (1) etc. indicate number and position of blank (unsown) rows.

Basal applications: 280 lb (0:20:20) broadcast in the seedbed.
Weedkiller: Paraquat at 0.75 lb ion in 32 gals to stubble of preceding crop.

Cultivations, etc.: Weedkiller applied: 6 Oct, 1967. Ploughed: 23 Oct.
Seed drilled at 145 lb, 'Nitro-Chalk' sideplaced, basal PK applied: 29 Feb, 1968. Combine harvested: 21 Aug. Variety: Maris Badger. Previous crops: Grass 1966, winter wheat 1967.

Standard error per plot.

Grain: 1.41 or 4.7% (21 d.f.)

1.7/20/83

68/Db/1.2

SUMMARY OF RESULTS

GRAIN

| | R0 | R1 | R2 | R3 | Mean |
|--------------|---------|------|------|------|---------|
| | (±0.71) | | | | (±0.35) |
| N1 | 29.3 | 32.2 | 35.6 | 33.2 | 32.6 |
| N2 | 26.8 | 27.2 | 28.8 | 29.4 | 28.0 |
| Mean (±0.50) | 28.1 | 29.7 | 32.2 | 31.3 | 30.3 |

Mean D.M. %: 81.7