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Numerical Results of the Field Experiments 1969

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69/R/B/5 - Paths & Blank Rows - Barley

Rothamsted Research

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BARLEY

(69/R/B/5)

Effects of paths and blank rows - Pastures 1969.

Design: 4 randomised blocks of 8 plots, randomisation restricted.

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 as 'Nitro-Chalk'. | |

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

Basal applications: 280 lb (0:20:20) combine drilled. Weedkillers: Paraquat at 0.5 lb ion in 25 gals, 2,4-D at 8 oz and dichlorprop at 32 oz in 20 gals.

Cultivations, etc.: Paraquat applied: 11 Oct, 1968. Ploughed: 13 Nov. Seed drilled at 140 lb per sown acre: 28 Mar, 1969. 'Nitro-Chalk' applied: 10 Apr. 2,4-D/dichlorprop applied: 13 May. Combine harvested: 14 Aug. Variety: Zephyr. Previous crops: Potatoes 1967, barley 1968.

Standard error per plot.

Grain, cwt: 1.19 or 2.6% (21 d.f.)

SUMMARY OF RESULTS

GRAIN:CWT

	R0	R1	R2	R3	Mean
	(±0.59)				(±0.30)
N1	45.3	47.6	48.7	50.2	48.0
N2	41.6	45.2	46.7	47.6	45.3
Mean (±0.42)	43.5	46.4	47.7	48.9	46.6

Mean D.M.%: 82.9