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Numerical Results of the Field Experiments 1969

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69/R/W/13 - Paths & Blank Rows - Spring Wheat

Rothamsted Research

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SPRING WHEAT

(69/R/W/13)

Effects of paths and blank rows - Whittlocks 1969.

Design: 4 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: 0.6 (N1), 1.2 (N2) cwt as 'Nitro-Chalk', broadcast by drill.

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

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

Cultivations, etc.: Ploughed: 21 Nov, 1968. Seed drilled at 180 lb per sown acre: 2 Apr, 1969. 'Nitro-Chalk' applied: 10 Apr. Weedkiller applied: 22 May. Combine harvested: 3 Sept. Variety: Kolibri. Previous crops: Spring beans 1967, winter wheat 1968.

Standard error per plot.

Grain, cwt: 1.92 or 4.4% (21 d.f.)

SUMMARY OF RESULTS

GRAIN: CWT

	R0	R1	R2	R3	Mean
	(±0.96)				(±0.48)
N1	38.4	39.6	43.4	43.3	41.2
N2	43.7	45.0	46.2	46.2	45.3
Mean (±0.68)	41.0	42.3	44.8	44.7	43.2

Mean D.M.%: 84.2