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Numerical Results of the Field Experiments 1969

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69/R/W/11 - Gaps - Spring Wheat

Rothamsted Research

Rothamsted Research (1970) *69/R/W/11 - Gaps - Spring Wheat* ; Numerical Results Of The Field Experiments 1969, pp 251 - 252 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

SPRING WHEAT

(69/R/W/11)

Effect of gaps - Great Harpenden II 1969.

Design: 4 randomised blocks of 6 plots.

Area of each plot: 0.0121. Area harvested: 0.0121.

Treatments: No rows missing, 30 rows harvested (G0) and gapping of full plant equivalent to 8 rows removed per plot at growth stages shown below (each plot 17' 6" wide, i.e. nominally 30 rows at 7" spacing, paths 1 ft. wide between plots. The full width was harvested for yield).

At seedling stage:

3 inch gaps evenly spaced	(G1)
6 inch gaps evenly spaced	(G2)
12 inch gaps evenly spaced	(G4)
Pairs of rows removed	(R)

At start of stem elongation:

Pairs of rows removed	(RL)
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Basal applications: 340 lb (25:10:10) combine drilled.

Weedkillers: Paraquat at 0.5 lb ion in 20 gals. 2,4-D at 8 oz and dichlorprop at 32 oz in 20 gals.

Cultivations, etc.: Paraquat applied: 2 Apr, 1969.

Ploughed: 10 Apr. Seed drilled at 160 lb: 16 Apr.

Gapped: 7-14 May. 2,4-D/dichlorprop applied: 21 May.

Gapped: 2 June. Combine harvested: 2 Sept. Variety:

Kolibri. Previous crops: Grass since 1959, Potatoes 1968.

Standard error per plot.

Grain, cwt: 0.57 or 1.2% (15 d.f.)

SUMMARY OF RESULTS

GRAIN: CWT

G0	G1	G2	G4	R	RL	Mean
		(±0.28)				
48.7	45.1	45.3	44.9	43.7	32.6	45.2

Mean D.M. %: 81.8