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# Numerical Results of the Field Experiments 1968

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## 68/DA/8 Effect of Gaps - S. Wheat

### Rothamsted Research

Rothamsted Research (1970) *68/DA/8 Effect of Gaps - S. Wheat* ; Numerical Results Of The Field Experiments 1968, pp 305 - 306 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/Da/8.1

SPRING WHEAT

(RW 601)

Effect of gaps - Little Hoos 1968.

Design: 4 randomised blocks of 7 plots.

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

Treatments: Gapping of full plant at seedling stage (each plot 17 feet 6 inches wide, i.e. nominally 30 rows at 7 inches spacing, paths 1 foot wide between plots. The full width was harvested for yield).

No rows missing, 30 rows harvested	(G0)
8 rows missing, 7 (4) 8 (4) 7 harvested	(G4)
8 rows missing, 5 (2) 4 (2) 4 (2) 4 (2) 5 harvested	(G2)
8 rows missing, 4 (1) 2 (1) 2 (1) 2 (1) 2 (1) 2 (1) 2 (1) 2 (1) 4 harvested	(G1)
Gaps of 1 foot in row, equivalent to 8 rows per plot:-	
Evenly distributed in all rows	(GE)
Randomly distributed in all rows	(GR)
Highly aggregated throughout plot	(GA)

NOTE: (4) etc. indicate number of blank rows.

Basal applications: 340 lb (25:10:10) combine drilled. Weedkillers: Paraquat at 0.5 lb ion in 32 gals in winter. Mecoprop/2,4-D (Methoxone Extra at 6 pints in 32 gals).

Cultivations, etc.: Ploughed 5 - 18 Sept, 1967. Paraquat applied: 4 Dec. Seed drilled at 160 lb: 8 Apr, 1968. Mecoprop/2,4-D applied: 17 May. Combine harvested: 5 Sept. Variety: Kolibri. Previous crops: Potatoes 1966, spring wheat 1967.

Standard error per plot. Grain: 1.57 or 5.0% (18 d.f.)

68/Da/8.2

SUMMARY OF RESULTS

GRAIN

	G0	G4	G2	G1	GE	GR	GA	Mean
Mean	34.7	28.8	30.5	31.9	31.3	30.6	30.2	31.1
	(±0.79)							

Mean D.M. %: 76.3