

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Numerical Results of the Field Experiments 1968

[Full Table of Content](#)



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