

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](#)

INTERNATIONAL DOCUMENT SERVICE  
AGRICULTURE  
LONDON AGRICULTURAL RESEARCH  
INTERNATIONAL SERVICE  
OF THE  
FOOD  
AND AGRICULTURE  
ORGANIZATION  
OF THE UNITED NATIONS  
1970  
C. 68/DE/1  
PUBLISHED BY THE  
INTERNATIONAL DOCUMENT SERVICE  
OF THE  
FOOD AND AGRICULTURE  
ORGANIZATION OF THE UNITED NATIONS  
1970  
PUBLISHED BY THE  
INTERNATIONAL DOCUMENT SERVICE  
OF THE  
FOOD AND AGRICULTURE  
ORGANIZATION OF THE UNITED NATIONS  
1970

## 68/DE/1 Effect of Gaps - Potatoes

### Rothamsted Research

Rothamsted Research (1970) *68/DE/1 Effect of Gaps - Potatoes* ; Numerical Results Of The Field Experiments 1968, pp 337 - 338 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/De/1.1

POTATOES

(RP 1/1)

Effect of gaps - Great Harpenden II 1968.

Design: 5 blocks of 2 split into 6.

Area of each plot: 0.0067. Area harvested: 0.0033.

Treatments: All combinations of:-

Whole plots: 1. Time of gapping: At emergence on 30 May (E), at flowering on 5 July (F).

Sub plots: 2. Amount of gapping: Normal plant population (G0), 4 (G4), 8 (G8), 12 (G12), 16 (G16), 24 (G24) per cent of plants removed.

Basal applications: 3 tons ground chalk, 7 tons FYM, 8 cwt (13:13:20).

Weedkiller: Paraquat at 0.5 lb ion plus linuron at 0.75 lb in 36 gals. Fungicide: Mancozeb at 1.2 lb in 36 gals on 3 occasions. Insecticide: Demeton-s-methyl at 3.5 oz applied with mancozeb on one occasion.

Cultivations, etc.:- FYM applied: 8 Dec, 1967. Ground chalk applied, ploughed: 20 Dec. Basal NPK applied: 20 - 27 Mar, 1968. Rotary cultivated, potatoes machine planted: 8 Apr. Weedkiller applied: 4 May. Grubbed: 17 June. Rotary ridged: 18 June. Mancozeb applied: 5 July. Mancozeb and demeton-s-methyl applied: 19 July. Mancozeb applied: 5 Aug. Sprayed with undiluted BOV at 15 gals: 5 Sept. Lifted: 17 Oct. Variety: Majestic. Previous crops: Grass 1959 - 1967.

Standard errors per plot. Total tubers:

Whole plot: 0.774 or 5.3% (4 d.f.)

Sub plot: 1.174 or 8.0% (40 d.f.)

68/De/1.2

SUMMARY OF RESULTS

	G0	G4	G8	G12	G16	G24	Mean
	TOTAL TUBERS						
	(1) and (2)						(±0.379)
E		15.11	15.61	14.67	14.18	14.45	14.80
F		15.55	14.60	13.79	13.11	13.25	14.06
Mean (±0.371)	15.30	15.33	15.10	14.23	13.64	13.85	14.58*

(1) (±0.591) For use in vertical and diagonal comparisons only

(2) (±0.525) For use in horizontal and interaction comparisons only

% WARE

E		97.8	97.9	98.0	97.8	98.5	98.0
F		98.2	98.3	98.1	98.0	98.4	98.2
Mean	97.9	98.0	98.1	98.0	97.9	98.4	98.1*

\* General mean