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Yields of the Field Experiments 1965

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65/R/RP201/DD/2 Potatoes - Effect of Gaps

Rothamsted Research

Rothamsted Research (1966) *65/R/RP201/DD/2 Potatoes - Effect of Gaps* ; Yields Of The Field Experiments 1965, pp 263 - 264 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/Da/2.1

POTATOES

(RP 201)

Effects of gaps - Great Knott I 1965.

Design: 4 randomised blocks of 15 plots each.

Area of each plot: 0.0071. Area harvested: 0.0033.

Treatments: All combinations of:-

1. Time of gapping: At emergence on May 20 (E), just after flowering on July 1 (F), just before harvest on Sept 10 (H).
2. Amount of gapping: None (G0), 4 (G4), 8 (G8), 12 (G12), 16% (G16) of plants removed.

Basal applications: 8 tons dung, 7 cwt (17:11:22).

Fungicide: Mancozeb at 1.2 lb in 37 gals on 4 occasions.

Cultivations, etc.: Dung applied and ploughed in: Nov 20, 1964.

Basal NPK applied: Apr 7, 1965. All plots rotary cultivated, potatoes planted: Apr 13. Earthed up: June 14. Sprayed: June 28, July 21, July 27, Aug 9. Sprayed with undiluted BOV at 15 gals: Sept 2. Lifted: Oct 18. Variety: Majestic. Previous crops: Winter and spring wheat 1963, barley 1964.

Standard error per plot.

Total tubers: 2.091 or 10.8% (44 d.f.)

65/Da/2.2

SUMMARY OF RESULTS

	G0	G4	G8	G12	G16	Mean
TOTAL TUBERS						
			(± 1.046)			(± 0.523)
E		20.75	19.26	20.17	20.81	20.25
F		18.72	20.22	17.64	18.85	18.86
H		19.33	19.16	17.41	17.10	18.25
Mean (± 0.604)	20.05	19.60	19.55	18.41	18.92	19.30

% WARE

E		96.1	96.3	96.4	96.5	96.3
F		95.9	96.4	95.4	95.7	95.8
H		96.4	96.4	95.7	95.8	96.1
Mean	95.9	96.2	96.4	95.9	96.0	96.1