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Yields of the Field Experiments 1966

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66/R/RP8/1/DD/5 Potatoes - Rhizoctonia

Rothamsted Research

Rothamsted Research (1967) *66/R/RP8/1/DD/5 Potatoes - Rhizoctonia* ; Yields Of The Field Experiments 1966, pp 285 - 286 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/Dd/5.1

POTATOES

(RP 8/1)

Effects of stem-canker (*Rhizoctonia solani*) - Little Hoos 1966.

Design: 6 randomised blocks of 2 plots split into 4.

Area of each plot: 0.0036. Area harvested: 0.0033.

Treatments: All combinations of:-

Whole plots: 1. Varieties: King Edward (E), Majestic (M).

Sub plots: 2. Infection of seed (*Rhizoctonia solani*):
Clean (A), moderately infected (B), severely
infected (C), unselected stock (D).

Basal applications: 7.75 cwt (17:11:22). Fungicide: Sprayed 4
times with mancozeb at 1.2 lb in 35 gals.

Cultivations, etc.: Ploughed: Jan 12, 1966. Basal NPK applied:
Mar 30. Rotary cultivated, potatoes planted: May 3.
Rotary ridged twice: May 28 and June 17. Fungicide applied:
June 30, July 23, Aug 8 and 18. Sprayed with undiluted BOV
at 21 gals: Sept 16. Haulm destroyed mechanically:
Sept 27. Lifted: Sept 29. Previous crops: Barley 1964,
fallow 1965.

Standard errors per plot. Total tubers:

Whole plot: 0.601 or 4.2% (5 d.f.)

Sub plot: 0.770 or 5.4% (30 d.f.)

65/Da/5.2

SUMMARY OF RESULTS

	A	B	C	D	Mean
TOTAL TUBERS					
	(1) and (2)				(±0.245)
E	18.79	17.12	17.33	17.51	17.69
M	12.47	10.18	9.95	11.65	11.06
Mean (±0.222)	15.63	13.65	13.64	14.58	14.38
% WARE					
E	96.8	95.2	94.7	95.1	95.4
M	96.2	95.4	95.6	96.0	95.8
Mean	96.5	95.3	95.2	95.6	95.6

(1) (±0.366) For use in vertical and diagonal comparisons

(2) (±0.314) For use in horizontal and interaction comparisons