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Yields of the Field Experiments 1966

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66/R/RP9/1/DD/6 Potatoes - Gangrene

Rothamsted Research

Rothamsted Research (1967) *66/R/RP9/1/DD/6 Potatoes - Gangrene* ; Yields Of The Field Experiments 1966, pp 287 - 288 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/Da/6.1

POTATOES

(RP 9/1)

Effects of gangrene (*Phoma* spp.) - Little Hoos 1966.

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

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

Treatments: All combinations of:-

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

Sub plots: 2. Levels of seed-infection (*Phoma* spp.): Clean (A), moderately infected (B), severely infected (C), unselected stock (D).

Basal applications: 7.75 cwt (17:11:22). Fungicide: Mancozeb at 1.2 lb in 35 gals on 4 occasions.

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: 0.708 or 4.0% (5 d.f.)

Sub plot: 0.873 or 4.9% (30 d.f.)

66/Da/6.2

SUMMARY OF RESULTS

	A	B	C	D	Mean
TOTAL TUBERS					
	(1) and (2)				(±0.289)
E	18.71	18.13	17.35	18.44	18.16
M	17.71	18.01	15.36	17.50	17.15
Mean (±0.252)	18.21	18.07	16.36	17.97	17.65
% WARE					
E	93.9	92.0	91.3	92.7	92.5
M	97.6	96.3	94.5	95.5	96.0
Mean	95.8	94.1	92.9	94.1	94.2

(1) (±0.423) For use in vertical and diagonal comparisons

(2) (±0.356) For use in horizontal and interaction comparisons