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Yields of the Field Experiments 1966

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66/R/RP10/1/DD/7 Potatoes - Oospora (Dead Eyes)

Rothamsted Research

Rothamsted Research (1967) *66/R/RP10/1/DD/7 Potatoes - Oospora (Dead Eyes)* ; Yields Of The Field Experiments 1966, pp 289 - 290 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/Dd/7.1

POTATOES

(RP 10/1)

Effects of 'dead eyes' (*Oospora pustulans*)* - Little Hoos 1966.

Design: 6 randomised blocks of 4 plots.

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

Treatments: Levels of seed infection (*Oospora pustulans*):-

Clean	(A)
Moderately infected (1-2 live eyes)	(B)
Severely infected (no live eyes)	(C)
Unselected stock	(D)

Basal applications: 7.75 cwt (17:11:22). 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 machine planted: May 3. Rotary ridged twice: May 28, June 18. 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. Variety: King Edward. Previous crops: Barley 1964, fallow 1965.

* In experiment RP7/1 (66/Dd/4) the tuber grades were selected on the degree of skin-spotting, in RP10/1 (66/Dd/7) a King Edward stock in which the infections occurred mainly close to the eyes was used and the grades were based on number of live eyes in March.

Standard error per plot.

Total tubers: 1.173 or 7.2% (15 d.f.)

66/Da/7.2

SUMMARY OF RESULTS

	A	B	C	D	Mean
TOTAL TUBERS					
	(±0.479)				
Mean	18.85	17.96	10.07	18.65	16.38
% WARE					
Mean	96.3	97.1	96.8	96.5	96.7