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Yields of the Field Experiments 1967

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67/R/RP12/1/DD/11 and 67/R/RP12/21/DD/11 Potatoes - Transmission of Scab - 2 Sites

Rothamsted Research

Rothamsted Research (1968) *67/R/RP12/1/DD/11 and 67/R/RP12/21/DD/11 Potatoes - Transmission of Scab - 2 Sites* ; Yields Of The Field Experiments 1967, pp 333 - 334 - DOI:
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67/Dd/10.1

POTATOES

(RP 11/1)

Varieties, N and scab - Pastures 1967.

Design: 4 blocks of 3 plots, split for N.

Area of each sub plot: 0.0120. Area harvested: 0.0028.

Treatments: All combinations of:-

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

Sub plots: 2. N: None (N0), 1.0 (N1), 2.0 (N2) cwt N
as 'Nitro-Chalk'.

Basal applications: 670 lb (0:14:28). Weedkiller: Linuron at
0.75 lb plus paraquat at 0.5 lb ion in 37 gals. Fungicide:
Mancozeb at 1.2 lb in 30 gals on three occasions.

Cultivations, etc.: Rotary cultivated: Sept 16, 1966. Ground
chalk applied at 50 cwt: Jan 6, 1967. Ploughed: Jan 11.
Basal PK compound applied: Apr 4. 'Nitro-Chalk' applied:
Apr 18. Plots rotary cultivated, potatoes machine planted:
Apr 21. Weedkiller applied: May 18. Fungicide applied: June 29,
July 21, Aug 4. Sprayed with undiluted BOV at 15 gals: Aug 23.
Lifted: Sept 15. Previous crops: Spring wheat 1965, fallow 1966.

NOTE: Samples were taken during June and July for estimates of
the incidence of scab and for the degree of tuberisation.

Standard errors per plot. Total tubers:

Whole plot: 1.195 or 6.9% (6 d.f.)

Sub plot: 1.219 or 7.1% (18 d.f.)

67/Dd/10.2

SUMMARY OF RESULTS

	NO	N1	N2	Mean
	TOTAL TUBERS			
	(1) and (2)			(±0.598)
M	15.61	19.48	20.97	18.69
E	14.90	17.80	19.51	17.40
D	12.25	16.59	17.94	15.59
Mean (±0.352)	14.25	17.96	19.47	17.23

(1) (±0.778) For use in vertical and diagonal comparisons

(2) (±0.610) For use in horizontal and interaction comparisons

	% WARE			
M	95.0	96.6	96.8	96.1
E	89.7	92.9	92.1	91.6
D	97.6	97.6	97.6	97.6
Mean	94.1	95.7	95.5	95.1