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Numerical Results of the Field Experiments 1968

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68/DE/13 Woburn the Effect of Chemicals on Common Scab - Potatoes

Rothamsted Research

Rothamsted Research (1970) *68/DE/13 Woburn the Effect of Chemicals on Common Scab - Potatoes* ; Numerical Results Of The Field Experiments 1968, pp 367 - 368 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

68/De/13.1

POTATOES

(WP 1/1)

The effect of chemicals on common scab - Woburn Great Hill
Bottom I 1968.

Design: 4 blocks of 6 plots.

Area of each plot: 0.0064. Area harvested: 0.0021.

Treatments:-

Chemicals: None (O), quintozone at 150 lb (A), captan at 50 lb (B), captan at 150 lb (C), drazoxolon at 150 lb (D), O,O-diethylphthalimidophosphonothioate at 150 lb (E).

Basal applications: Weedkiller: Paraquat at 0.5 lb ion in 33 gals. 10 cwt (13:13:20). Weedkiller: Linuron at 0.5 lb plus paraquat at 0.37 lb ion in 50 gals. Fungicide: Mancozeb at 1.2 lb in 38 gals, applied twice.

Cultivations, etc.: Deep-tine cultivated: 25 Sept, 1967. Ploughed: 20 Feb, 1968. Paraquat applied: 3 Mar. NPK applied: 22 Mar. Chemical treatments applied, rotary cultivated, potatoes planted: 11 Apr. Linuron plus paraquat applied: 3 May. Rotary ridged: 15 June. Fungicide applied: 18 July, 30 July. Sprayed with undiluted BOV at 15 gals: 16 Aug. Lifted: 4 Oct. Variety: Maris Piper. Previous crops: Fallow 1966, potatoes 1967.

NOTE: Scab counts were made.

Standard error per plot.

Total tubers: 0.907 or 7.4% (15 d.f.)

68/De/13.2

SUMMARY OF RESULTS

O	A	B	C	D	E	Mean
TOTAL TUBERS						
(±0.453)						
12.62	14.22	12.75	12.04	11.16	10.36	12.19
% WARE						
90.2	91.9	91.3	89.6	85.5	84.4	88.8