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Numerical Results of the Field Experiments 1970

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70/W/P/5 Potatoes Chemicals and Scab

Rothamsted Research

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POTATOES

(70/W/P/5)

Chemicals and scab - Woburn Gt Hill Bottom I 1970.

Design: 5 randomised blocks of 6 plots.

Area of each plot: 0.0043. Area harvested: 0.0021.

Treatments:

Chemicals: None (O), captafol at 70 lb a.i. (C), maneb at 70 lb a.i. (M), quintozone at 70 lb a.i. (Q), tecnazene at 35 lb a.i. (T1), tecnazene at 70 lb a.i. (T2) as dusts.

Basal applications: 10 cwt (13:13:20). Weedkiller: Linuron at 1.0 lb plus paraquat at 0.37 lb ion in 33 gals. Fungicide: Mancozeb at 1.2 lb in 37 gals on two occasions. Insecticide: Demeton-s-methyl at 3.5 fl oz in 37 gals on one occasion with mancozeb.

Cultivations, etc.: Rotary cultivated: 15 Oct, 1969. Deep-tine cultivated: 3 Nov. NPK applied: 2 Apr, 1970. Treatments applied, rotary cultivated, potatoes planted: 30 Apr. Weedkiller applied: 15 May. Grubbed: 3 June. Rotary ridged: 5 June. Fungicide applied with insecticide: 31 July. Fungicide applied: 18 Aug. Sprayed with undiluted BOV at 20 gals: 7 Sept. Lifted: 16 Sept. Variety: Maris Piper. Previous crops: Potatoes 1968, fallow 1969.

NOTE: Soil samples were taken from all plots except those receiving maneb, in May and after harvest for analysis of treatment residues. Samples were taken after harvest for estimates of scab infection.

Standard error per plot.

Total tubers, tons: 1.656 or 12.5% (20 d.f.)

70/W/P/5

SUMMARY OF RESULTS

O	C	M	Q	T1	T2	Mean
TOTAL TUBERS: TONS						
(± 0.741)						
15.07	13.74	14.94	13.52	12.12	10.28	13.28
% WARE: 1.5 INCH						
92.4	93.9	92.2	92.1	91.4	90.8	92.1