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Numerical Results of the Field Experiments 1969

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69/W/P/4 - Chemicals & Scab - Potatoes

Rothamsted Research

Rothamsted Research (1970) *69/W/P/4 - Chemicals & Scab - Potatoes* ; Numerical Results Of The Field Experiments 1969, pp 309 - 310 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

POTATOES

(69/W/P/4)

Chemicals and scab - Woburn Gt Hill Bottom I, 1969.

Design: 5 blocks of 6 plots.

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

Treatments:

Chemicals: None (O), 'N-Serve' to sulphate of ammonia 2.9 lb, 2% of the N (N), folpet 70 lb a.i. as 20% dust (F), quintozone 70 lb a.i. as 20% dust (Q), thiram 70 lb a.i. as 15% dust (T), zineb 70 lb a.i. as 15% dust (Z).

Basal applications: 8.5 cwt (0:14:28), 6 cwt sulphate of ammonia. Weedkiller: Paraquat at 0.37 lb ion plus linuron at 0.5 lb in 25 gals. Fungicide: Mancozeb at 1.2 lb in 37 gals on 3 occasions. Insecticide: Demeton-s-methyl at 3.5 oz in 37 gals on one occasion.

Cultivations, etc.: Ploughed: 3 - 30 Jan, 1969. PK Broadcast: 14 Apr. N applied, treatments applied, rotary ridged, potatoes planted: 18 Apr. Weedkiller applied: 15 May. Rotary ridged: 17 June. Fungicide applied: 19 July, 7 Aug, 27 Aug. Insecticide applied: 19 July. Sprayed with undiluted BOV at 16 gals: 25 Sept. Lifted: 3 Oct. Variety: Maris Piper. Previous crops: Green manures 1967, sugar beet, barley 1968.

NOTE: Soil samples were taken for residues of quintozone.

Standard error per plot.

Total tubers, tons: 1.393 or 7.4% (20 d.f.)

SUMMARY OF RESULTS

O	N	F	Q	T	Z	Mean
TOTAL TUBERS: TONS						
(±0.623)						
18.73	16.60	19.85	19.32	19.81	19.39	18.95
% WARE						
97.0	95.2	96.8	97.3	96.9	97.3	96.8