

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Numerical Results of the Field Experiments 1970

[Full Table of Content](#)



70/W/P/2 Potatoes Nematodes and Verticillium

Rothamsted Research

Rothamsted Research (1971) *70/W/P/2 Potatoes Nematodes and Verticillium ; Numerical Results Of The Field Experiments 1970*, pp 295 - 296 - DOI: <https://doi.org/10.23637/ERADOC-1-59>

POTATOES

(70/W/P/2)

Nematodes and Verticillium - Woburn Broadmead I 1970.

Design: 4 randomised blocks of 4 plots.

Area of each plot: 0.0094. Area harvested: 0.0036.

Treatments:

Chemicals: None (D), methyl bromide at 870 lb (M) 'Temik' (aldicarb) at 6 lb a.i. (T), benomyl at 20 lb a.i. (B).

Basal applications: 10 cwt (13:13:20), 9 cwt Epsom salts. Weedkiller: Linuron at 1.5 lb plus paraquat at 0.37 lb ion in 33 gals, paraquat at 0.025 lb ion in 28 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: Rotary cultivated twice: 10 Sept, 1969, 10 Oct. Deep-tine cultivated: 2 Jan, 1970. NPK applied: 2 Apr. Mg applied: 8 Apr. Methyl bromide applied under gas tight sheet: 22 Apr. Gas tight sheet removed: 29 Apr. 'Temik' and benomyl applied, rotary cultivated, potatoes planted: 30 Apr. Linuron plus paraquat applied: 13 May. Paraquat applied between rows: 2 June. Grubbed, rotary ridged: 6 June. Fungicide with insecticide applied: 31 July. Fungicide applied: 18 Aug. Sprayed with undiluted BCV at 20 gals: 7 Sept. Lifted: 15 Sept. Variety: Pentland Dell. Previous crops: Winter wheat 1968, potatoes 1969.

NOTE: Soil samples were taken after lifting for *Heterodera rostochiensis* cyst counts.

Standard error per plot:

Total tubers, tons: 1.313 or 19.3% (9 d.f.)

70/W/P/2

SUMMARY OF RESULTS

O	M	T	B	Mean
TOTAL TUBERS: TONS				
(±0.656)				
1.96	14.18	6.26	4.84	6.81
% WARE: 1.75 INCH				
34.5	91.8	84.1	69.4	70.0