

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 1969

[Full Table of Content](#)



69/W/P/2 - Nematodes & Verticillium - Potatoes

Rothamsted Research

Rothamsted Research (1970) *69/W/P/2 - Nematodes & Verticillium - Potatoes* ; Numerical Results Of The Field Experiments 1969, pp 304 - 305 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

POTATOES

(69/W/P/2)

Nematodes and verticillium - Woburn Broadmead I 1969.

Design: 4 randomised blocks of 6 plots.

Area of each plot: 0.0094. Area harvested: 0.0047.

Treatments:

Chemicals and wheelmarks: None (OO), methyl bromide at 870 lb, with wheelmarks on 3 occasions (MW), methyl bromide at 870 lb, without wheelmarks (MO), temik at 60 lb a.i., without wheelmarks (TO), benomyl at 10 lb of 50% wetttable powder per ton of seed, without wheelmarks (BO), wheelmarks on 3 occasions (OW).

Basal applications: 10 cwt (13:13:20), 5 cwt Epsom salts. Weedkiller:

Paraquat at 0.5 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 with fungicide.

Cultivations, etc.: Ploughed: 20 Nov, 1968. NPK applied: 8 Apr, 1969.

Mg applied, methyl bromide applied under gas tight sheet:

9 Apr. Gas tight sheet removed: 14 Apr. Rotary cultivated,

potatoes planted: 25 Apr. Weedkiller applied: 15 May.

Wheelmarks applied to MW and W plots: 12 June. Grubbed, rotary

ridged MW and W plots only: 18 June. Wheelmarks applied to MW and W

plots: 14 July. Fungicide applied: 18 July, 6 Aug, 27 Aug.

Insecticide applied: 18 July. Lifted: 24 Sept. Variety:

King Edward.

NOTE: Plant samples were taken for *Heterodera rostochiensis* cyst counts in June.

Standard error per plot.

Total tubers, tons: 1.751 or 13.1% (15 d.f.)

SUMMARY OF RESULTS

OO	MW	MO	TO	BO	OW	Mean
TOTAL TUBERS: TONS						
(±0.876)						
9.95	17.76	17.66	14.23	10.44	9.97	13.34
% WARE						
83.7	83.8	84.7	79.2	80.8	83.9	82.7