

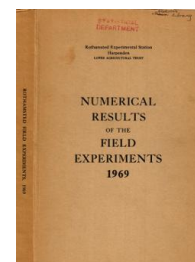
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Numerical Results of the Field Experiments 1969

[Full Table of Content](#)



69/W/P/3 - Verticillium, Varieties & Ccc - Potatoes

Rothamsted Research

Rothamsted Research (1970) *69/W/P/3 - Verticillium, Varieties & Ccc - Potatoes ; Numerical Results Of The Field Experiments 1969*, pp 306 - 308 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

POTATOES

(69/W/P/3)

Verticillium, varieties and CCC - Woburn Broadmead I (diseased site)
and Workhouse (healthy site) 1969.

Design: 3 blocks of 2 plots split into 4.

Area of each sub plot: 0.0021. Area harvested: Broadmead I - 0.0019
Workhouse - 0.0021.

Treatments: All combinations of:-

Whole plots: 1. CCC: None (O), soil drench at 15 lb CCC
(chlormequat) (S).

Sub plots: 2. Varieties: King Edward (KE), Majestic (M),
Maris Piper (MP), Pentland Crown (PC).

Basal applications: 10 cwt (13:13:20). Weedkiller: Paraquat at 0.5 lb
ion plus linuron at 0.5 lb in 25 gals (Broadmead I), paraquat at
0.37 lb ion plus linuron at 0.5 lb in 25 gals (Workhouse).
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.:

Broadmead I: Ploughed: 12 Dec, 1968. NPK applied: 8 Apr, 1969.

Rotary cultivated: 30 Apr. Potatoes planted: 1 May. Rotary

ridged: 10 May. Weedkiller applied: 15 May. CCC applied:

5 June. Fungicide applied: 19 July, 6 Aug, 27 Aug.

Insecticide applied: 19 July. Sprayed with undiluted BOV at

16 gals: 25 Sept. Lifted: 6 Oct. Previous crops: Spring beans
1967, winter wheat 1968.

Workhouse : Ploughed: 20 Nov, 1968. NPK applied: 9 Apr, 1969.

Rotary cultivated: 30 Apr. Potatoes planted: 1 May. Rotary

ridged: 9 May. Weedkiller applied: 15 May. CCC applied:

5 June. Fungicide applied: 18 July, 7 Aug, 27 Aug.

Insecticide applied: 18 July. Sprayed with undiluted BOV

at 16 gals: 25 Sept. Lifted: 6 Oct. Previous crops:

Barley 1967, spring beans 1968.

NOTE: Plant samples were taken in August for assessment of
Verticillium wilt.

Standard errors per plot. Total tubers, tons:

Broadmead I: Sub plot: 0.795 or 6.5% (12 d.f.)

Workhouse: Sub plot: 1.651 or 8.5% (12 d.f.)

SUMMARY OF RESULTS

BROADMEAD I

	KE	M	MP	PC	Mean
TOTAL TUBERS					
	$(\pm 0.459)^*$				
O	11.42	11.25	10.46	17.07	12.55
S	11.62	10.28	11.07	14.91	11.97
Mean (± 0.325)	11.52	10.76	10.76	15.99	12.26

% WARE

O	81.2	93.0	91.9	96.4	90.6
S	82.2	91.9	94.0	95.9	91.0
Mean	81.7	92.5	92.9	96.1	90.8

* For use in horizontal and interaction comparisons only

WORKHOUSE					
	KE	M	MP	PC	Mean
TOTAL TUBERS					
	$(\pm 0.953)^*$				
O	19.70	18.02	16.84	22.72	19.32
S	19.14	17.96	20.06	20.79	19.49
Mean (± 0.674)	19.42	17.99	18.45	21.76	19.40
% WARE					
O	95.6	96.6	96.1	98.0	96.6
S	95.6	97.0	97.2	98.5	97.1
Mean	95.6	96.8	96.6	98.3	96.8

* For use in horizontal and interaction comparisons only