

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/R/P/13 Potatoes Blight Reference Plots

### Rothamsted Research

Rothamsted Research (1971) *70/R/P/13 Potatoes Blight Reference Plots* ; Numerical Results Of The Field Experiments 1970, pp 310 - 311 - DOI: <https://doi.org/10.23637/ERADOC-1-59>

POTATOES

(70/R/P/13)

Blight reference plots, Long Hoos IV 1970.

Design: 4 randomised blocks of 3 plots, split into 2.

Area of each sub plot: 0.0071. Area harvested: 0.0067.

Treatments: All combinations of:-

Whole plots: 1. Fungicide spray: None (O), mancozeb at 1.2 lb in 40 gals on 2 occasions (F), mancozeb at 1.2 lb in 40 gals on 2 occasions, plots used for sampling only (no yields recorded) (FS).

Sub plots: 2. Varieties: King Edward (KE), Pentland Crown (PC).

Basal applications: 1120 lb (13:13:20). Weedkiller: Linuron at 1 lb in 39 gals. Insecticide: Demeton-s-methyl at 3.5 oz in 40 gals.

Cultivations, etc.: Deep-tine cultivated: 10 Nov, 1969. Rotary cultivated: 15 Oct. Deep-tine cultivated: 20 Oct. Basal NPK applied: 23 Apr, 1970. Rotary cultivated, potatoes machine planted: 1 May. Weedkiller applied: 23 May. Grubbed and rotary ridged: 18 June. Insecticide applied to all plots, mancozeb applied to F and FS plots: 13 July. Mancozeb applied to F and FS plots: 14 Aug. Sprayed with undiluted BOV at 15 gals: 3 Sept. Lifted: 16 Sept. Previous crops: Barley 1968, spring beans 1969.

NOTE: Tubers were examined for blight (*Phytophthora infestans*).

Standard error per sub plot.

Total tubers, tons: Sub plot: 0.572 or 5.7% (6 d.f.)

70/B/P/13

SUMMARY OF RESULTS

	KE	PC	Mean
TOTAL TUBERS: TONS			
(±0.286)*			
O	10.95	9.59	10.27
F	10.55	9.29	9.92
Mean (±0.202)	10.75	9.44	10.10
% WARE: 1.5 INCH			
O	89.7	97.8	93.8
F	90.3	97.8	94.1
Mean	90.0	97.8	93.9

\* For use in horizontal and interaction comparisons only