

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

Yields of the Field Experiments 1971

[Full Table of Content](#)



71/R/P/13 Comparison of Fungicides - Potatoes

Rothamsted Research

Rothamsted Research (1972) *71/R/P/13 Comparison of Fungicides - Potatoes* ; Yields Of The Field Experiments 1971, pp 331 - 332 - DOI: <https://doi.org/10.23637/ERADOC-1-97>

71/R/P/13

POTATOES

COMPARISON OF FUNGICIDES

Object: To test the effects of organo-tin fungicides on yield and foliar blight (*Phytophthora infestans*) of potatoes - Fosters Corner.

Design: 6 x 6 Latin square.

Whole plot dimensions: 4.27 x 10.7. Area harvested: 0.00152.

Treatments:

No fungicide	(0)
Fentin acetate at 112 g plus maneb at 34 g	(1AM)
Fentin acetate at 336 g plus maneb at 112 g	(3AM)
Fentin acetate at 112 g plus maneb at 34 g plus 11.2 kg wax	(1AMW)
Dibutyltin diacetate at 785 g	(D)
Fentin sulphide at 392 g	(S)

All the fungicides were applied, on two occasions, in 785 l.

Basal applications: 1506 kg (13:13:20). Weedkiller: Linuron at 0.84 kg in 427 l. Insecticide: Demeton-s-methyl at 245 g in 438 l.

Cultivations, etc.: Ploughed: 28 Sept, 1970. Basal NPK applied: 30 Mar, 1971. Rotary cultivated, potatoes machine planted: 5 Apr. Weedkiller applied: 10 May. Grubbed: 3 June. Rotary ridged: 5 June. Insecticide applied: 25 June. Fungicide sprays applied: 27 July, 17 Aug. Haulm destroyed mechanically: 8 Sept. Sprayed with undiluted BOV at 168 l: 15 Sept. Lifted: 4 Oct. Variety: King Edward. Previous crops: Barley 1969, fallow 1970.

Standard error per plot.

Total tubers, tonnes/hectare: 2.14 or 4.5% (20 d.f.)

71/R/P/13

SUMMARY OF RESULTS

1AM	3AM	1AMW	D	S	Mean
TOTAL TUBERS: TONNES/HECTARE					
(±0.88)					
46.4	45.9	50.1	46.8	46.6	48.4
% WARE: 3.81 CM (1.5 INCH) RIDDLE					
93.4	93.0	94.0	92.9	93.8	93.3