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Yields of the Field Experiments 1965

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65/R/RP701/DD/6 Potatoes - Fungicide Sprays

Rothamsted Research

Rothamsted Research (1966) *65/R/RP701/DD/6 Potatoes - Fungicide Sprays ; Yields Of The Field Experiments 1965*, pp 271 - 272 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/Dd/6.1

POTATOES

(RP 701)

Control of blight (*Phytophthora infestans*) by copper and tin fungicides - Long Hoos III 1965.

Design: 6 x 6 Latin square.

Area of each plot: 0.0129. Area harvested: 0.0077.

Treatments: No fungicide	(0)
Commercial copper oxychloride wettable powder at 2.5 lb Cu	(1)
Copper oxychloride at 2.5 lb Cu with 10 lb wax	(2)
Fentin acetate at 0.1 lb plus maneb at 0.03 lb	(3)
Fentin acetate at 0.3 lb plus maneb at 0.1 lb	(4)
Fentin acetate at 0.1 lb plus maneb at 0.03 lb plus 10 lb wax	(5)
All sprays applied twice in 100 gals.	

Basal applications: 7 cwt (17:11:22). Weedkillers: 2 lb linuron plus 0.75 lb paraquat in 40 gals. Insecticide: 1.5 lb phorate with seed.

Cultivations, etc.: Ploughed: Nov 23, 1964. Basal NPK applied: Apr 5, 1965. Rotary cultivated, potatoes machine planted: Apr 21. Sprayed, weedkiller: May 14, treatment fungicides: July 9 and 26. Sprayed with undiluted BOV at 15 gals: Sept 2. Lifted: Oct 21. Variety: King Edward. Previous crops: Potatoes 1963, winter wheat and barley 1964.

Standard error per plot.

Total tubers: 1.160 or 7.8% (20 d.f.)

65/D₂/6.2

SUMMARY OF RESULTS

0	1	2	3	4	5	Mean
TOTAL TUBERS						
(±0.474)						
13.61	14.14	15.55	14.46	15.83	15.16	14.79
% WARE						
94.2	94.4	94.4	94.9	95.5	95.1	94.8