

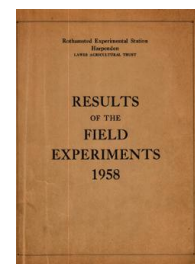
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58/R/CF/1 Potatoes - Control of Skin Spot ("seed" Treatment)

Rothamsted Research

Rothamsted Research (1959) *58/R/CF/1 Potatoes - Control of Skin Spot ("seed" Treatment)* ; Yields Of The Field Experiments 1958, pp 109 - 109 - DOI: <https://doi.org/10.23637/ERADOC-1-181>

58/Cf/1

POTATOES

Control of skin spot (Oospora pustulans) by seed tuber treatment - Geescroft 1958.

Design: 6 randomized blocks of 6 plots each.

Area of each plot: 0.0141 acres. Area harvested: 0.0071 acres.

Treatments applied to seed tubers:

- Wedderspoon seed untreated (1)
- Wedderspoon seed washed 5 days after lifting (2)
- Wedderspoon seed washed as above and dipped in organo-mercury fungicide 5 days after lifting (3)
- Wedderspoon seed washed and dipped as above and inoculated at planting (4)
- Irish seed untreated (5)
- Irish seed inoculated at planting (6)

Basal dressing: 10 cwt per acre compound fertilizer (10% N, 10% P₂O₅, 18% K₂O).

Cultivations, etc.: Ploughed: Sept 23 - Oct 21, 1957. Dung applied at 12½ tons per acre: Dec 2 - 10. Second ploughing: Dec 3 and Feb 6, 1958. Basal dressing applied: Apr 12. Potatoes hand planted: Apr 21. Earthed up: July 8. Sprayed with copper fungicide, 5 lb in 40 gallons per acre: July 10. Sprayed with copper fungicide, 3 lb and 1 pint spreader in 40 gallons per acre: Aug 6 and again Aug 16. Sprayed with sulphuric acid at 20% BOV in 100 gallons per acre: Sept 10. Lifted: Oct 22. Variety: Majestic. Previous crop: Barley.

Standard error per plot.

Total tubers: 0.951 tons per acre or 7.3% (25 d.f.)

Summary of Results

Treatments						Mean
1	2	3	4	5	6	
Total tubers: tons per acre						
(±0.388)						
13.66	12.81	11.92	12.33	14.00	13.43	13.03
Percentage ware (1½" riddle)						
90.0	89.0	84.6	88.5	88.2	89.4	88.3

Note. Records of incidence of skin spot (Oospora pustulans) were made.