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Yields of the Field Experiments 1965

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65/R/RP801/DD/7 Potatoes - Soil Fungicides and Cultivations

Rothamsted Research

Rothamsted Research (1966) *65/R/RP801/DD/7 Potatoes - Soil Fungicides and Cultivations* ; Yields Of The Field Experiments 1965, pp 273 - 274 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/Dd/7.1

POTATOES

(RP 801)

Soil fungicides and blight, Long Hoos III 1965.

Design: 6 randomised blocks of 9 plots with cultivation treatment by blocks.

Area of each plot: 0.0043. Area harvested: 0.0021.

Treatments:

To blocks:

1. Earthing up: Rounded (R), pointed (P) ridges.

To plots: None (O) and all combinations of:-

2. Fungicides: Copper oxychloride at 2.5 lb Cu (C), triphenyltin at 0.66 lb (T).
3. Form and time of application: Granular applied after planting (G), soil spray applied by hand sprayer at 50% crop emergence (S1) or at first blight damage (S2), foliar spray at first blight damage (F).

Basal applications: 7 cwt (17:11:22). Weedkillers: Paraquat at 0.75 lb ion plus linuron at 2 lb in 40 gals. Fungicide: Mancozeb at 1.2 lb in 37 gals on 2 occasions. Insecticide: 1.5 lb phorate with seed.

Cultivations, etc.: Ploughed: Nov 23, 1964. Basal NPK applied: Apr 5, 1965. Rotary cultivated, potatoes machine planted (15 in. spacing): Apr 21. CG treatment applied: Apr 26. TG treatment applied: Apr 28. P treatments earthed up: May 13. Sprayed, weedkiller: May 14. CS1 and TS1 treatments applied: May 21. Sprayed, fungicide: June 30 and July 28. CS2, TS2, CF and TF treatments applied: July 29. Sprayed with undiluted BOV at 15 gals: Sept 2. Lifted: Oct 21. Variety: King Edward (chitted seed). Previous crops: Potatoes and winter wheat 1963, winter wheat 1964.

NOTE: Tubers were examined for blight infection at harvest.

Standard error per plot.

Total tubers: 1.446 or 8.6% (32 d.f.)

65/Da/7.2

SUMMARY OF RESULTS

TOTAL TUBERS

	O	CG	CS1	CS2	CF	TG	TS1	TS2	TF	Mean
	(±0.835)*									
R	17.90	16.41	15.27	16.64	17.42	16.05	17.63	17.00	18.23	16.95
P	16.24	17.52	15.53	16.41	16.66	17.82	17.47	17.15	15.17	16.66
Mean	17.07	16.96	15.40	16.53	17.04	16.94	17.55	17.07	16.70	16.81
	(±0.590)									

* For use in horizontal and interaction comparisons only.