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Yields of the Field Experiments 1965

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65/R//DD/8 Potatoes - Soil Fungicides

Rothamsted Research

Rothamsted Research (1966) *65/R//DD/8 Potatoes - Soil Fungicides ; Yields Of The Field Experiments 1965*, pp 275 - 276 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/Da/8.1

POTATOES

Soil fungicides, Long Hoos III 1965.

Design: 4 randomised blocks of 11 plots.

Area of each plot: 0.0011.

Treatments: None*(0) and all combinations of:-

1. Fungicides:

Triphenyltin acetate

(A)

Tributyltin acetate

(B)

Bis(triphenyltin)sulphide

(C)

Triphenyltin chloride

(D)

at 0.175 lb metallic Sn in 210 lb kaolin, applied to the soil and lightly forked in.

Tetrachloro-iso-phthalonitrile wettable powder

(E)

sprayed into soil at 15 lb in 500 gals.

2. Times of application: June 28 - 30 (1), at first foliage blight (July 27 - 29) (2).

* 210 lb kaolin dust was applied on June 28.

Basal applications: 7 cwt (17:11:22). Weedkiller: 2 lb linuron plus 0.75 lb ion paraquat in 40 gals. Fungicide: Mancozeb at 1.2 lb in 37 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, fungicide: June 30.

Sprayed with undiluted BCV at 15 gals: Sept 2. Harvested:

Aug 31. Variety: King Edward. Previous crops: Winter wheat 1963 and 1964.

NOTE: Tubers were examined at harvest for blight infection.

Standard error per plot.

Total tubers: 1.555 or 10.6% (30 d.f.)

65/Dd/8.2

SUMMARY OF RESULTS

TOTAL TUBERS

O	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	Mean
(±0.778)											
14.69	14.04	14.77	15.76	14.56	14.55	13.65	14.92	15.81	15.43	13.54	14.70