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65/W/WP701/DD/9 Potatoes - Tuber Blight

Rothamsted Research

Rothamsted Research (1966) *65/W/WP701/DD/9 Potatoes - Tuber Blight* ; Yields Of The Field Experiments 1965, pp 277 - 278 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/Da/9.1

POTATOES

(WP 101)

Control of tuber blight (*Phytophthora infestans*) by fungicide sprays and haulm destruction - Woburn Workhouse Field 1965.

Design: 6 x 6 Latin square.

Area of each plot: 0.0425. Area harvested: 0.0141.

Treatments: No fungicide (0), not burnt off.

Fungicide sprays*: 3 times early (E), burnt off with diquat**
4 times early (E+), burnt off with diquat**
3 times late (L), burnt off with diquat**

In addition two plots per row, on which haulm was not burnt off (one control and one E+ plot) were used for sampling only.

* 1.5 lb fungicide, containing 80% mancozeb, in 34 gals.

** Reglone at 4 pints in 34 gals.

Basal applications: 7 cwt (17:11:22).

Cultivations, etc.: Ploughed: Jan 19 - 26, 1965. Basal dressing applied: Apr 13. Rotary cultivated, potatoes planted: Apr 15. Earthed up: June 14. First spraying with mancozeb (E and E+ plots): July 2, second (E, E+ and L): July 15, third (E, E+ and L): July 30, final (E+ and L): Aug 13. Appropriate plots sprayed with diquat: Aug 27. Haulm destroyed mechanically: Oct 4. Lifted: Oct 13. Variety: King Edward. Previous crops: Grass 1963 and 1964.

NOTE: Periodic samples were taken from the sample plots for weight of tubers and blight assessment in tubers.

Standard error per plot.

Total tubers: 1.787 or 10.8% (15 d.f.)

65/Dd/9.2

SUMMARY OF RESULTS

O	E	E+	L	Mean
TOTAL TUBERS				
(±0.730)				
13.13	18.10	17.71	17.19	16.53
% WARE				
95.1	96.2	96.9	97.1	96.3