Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readible, or you suspect there are some problems, please let us know and we will correct that.



Yields of the Field Experiments 1959



Full Table of Content

59/R/CF/4 Potatoes - Control of Blight (Tin and Copper Sprays)

Rothamsted Research

Rothamsted Research (1960) *59/R/CF/4 Potatoes - Control of Blight (Tin and Copper Sprays)*; Yields Of The Field Experiments 1959, pp 97 - 97 **- DOI:** https://doi.org/10.23637/ERADOC-1-179

59/Cf/5.1

POTATOES

The control of weeds by triazine sprays - Rothamsted (R) Great Field I and Woburn (W) Great Hill 1959.

Design (each field): 3 randomized blocks of 4 plots each.

Area of each plot (acres): 0.0318. Area harvested: Great Field I (R) - 0.0141; Great Hill (W) - 0.0182.

Treatments: Pre-emergence sprays:- None;
2-chloro-4-6-bis-ethylamino-s-triazine (Simazine) (S):
at 1 lb in 40 gallons per acre (1);
2 lb in 80 gallons per acre (2);
3 lb in 120 gallons per acre (3).

Basel dressing: 10 cwt compound fertilizer (10% N, 10% P205, 18% K20) per acre.

Cultivations, etc.:

Great Field I (R). Ploughed: Sept 9, 1958. Basal dressing applied:

Mar 26, 1959. Potatoes machine planted: Apr 1. Sprays applied
to appropriate plots: Apr 14. Sprayed with copper fungicide at
5 lb in 40 gallons per acre: Aug 15. Sprayed with sulphuric acid,
15% BOV in 100 gallons per acre: Sept 21. Tops destroyed
mechanically: Oct 3. Lifted: Oct 8. Variety: Ulster Supreme.
Previous crop: Barley.

Great Hill (W). Ploughed: Jan 24 - Feb 11, 1959. Basal dressing applied: Apr 23. Potatoes machine planted: Apr 28. Sprays applied to appropriate plots: Apr 29. Lifted: Oct 1. Variety: King Edward. Previous crop: Barley.

Standard error per plot: Total tubers.

Great Field I (R): 1.630 tons per acre or 16.5% (6 d.f.)

Great Hill (W): 1.249 tons per acre or 32.7% (6 d.f.)

Note: On Great Hill (W) about half the tubers which would normally have been included in ware were severely shrivelled: the means of percentage ware given in the summary do not include these shrivelled tubers.