

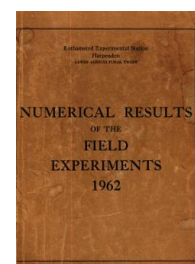
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Yields of the Field Experiments 1962

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62/R/DE/1 Sugar Beet - Control of Virus

Rothamsted Research

Rothamsted Research (1963) *62/R/DE/1 Sugar Beet - Control of Virus* ; Yields Of The Field Experiments 1962, pp 141 - 141 - DOI: <https://doi.org/10.23637/ERADOC-1-164>

62/De/1

SUGAR BEET

Control of virus spread by insecticides - Fosters West 1962.

Design: 4 x 4 Latin square.

Area of each plot: 0.0522 acres. Area harvested: 0.0121 acres.

Treatments:

Unsprayed (0).

Seedbed application of "Disyston" at 2 lb active ingredient per acre (Di).

Sprayed with demeton methyl* at 6 fluid oz in 60 gallons per acre on 6 July, 1962 (Mt).

Sprayed with menazon* at 2.4 fluid oz in 30 gallons per acre on 6 July, 1962 (Mn).

*It was intended to spray after receipt of spray warning, but none was issued.

Basal dressing per acre: 3 cwt agricultural salt and 6 cwt compound fertiliser (16% N, 9% P₂O₅, 9% K₂O).

Cultivations, etc.: Areas of field sprayed with dalapon at 8 lb in 40 gallons per acre: Sept 8, 1961, and again at 4 lb in 40 gallons per acre: Sept 26. Ploughed: Oct 21. Salt applied: Feb 16, 1962. Basal compound fertiliser applied: Mar 19. "Disyston" applied and harrowed in: Apr 10. Seed drilled at 9 lb per acre: Apr 11. Singled: May 22. Lifted: Dec 18. Variety: Klein E (rubbed and graded). Previous crops: Sugar beet 1960, spring wheat 1961.

Note (1): Regular counts of aphid numbers and estimates of incidence of virus yellows were made. The final incidence recorded was 6% on all treatments.

Note (2): Because of the severe weather conditions it was impracticable to wash and analyse the samples of beet.

Standard error per plot.

Roots (unwashed): 1.140 tons per acre or 5.1% (6 d.f.)

Summary of Results

Roots (unwashed): tons per acre

	Treatment				
	0	Di	Mt	Mn	Mean
Mean (±0.570)	22.67	22.63	21.78	21.54	22.15
Increase (±0.806)		-0.04	-0.89	-1.13	