

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 readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1965

[Full Table of Content](#)



65/W/WCT 101/DE/1 Carrots - Control of Motley Dwarf Virus

Rothamsted Research

Rothamsted Research (1966) *65/W/WCT 101/DE/1 Carrots - Control of Motley Dwarf Virus* ; Yields Of The Field Experiments 1965, pp 279 - 280 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/De/1.1

CARROTS

(Wct 101)

The effects of systemic insecticides on yield through control of motley dwarf virus - Woburn Butt Close 1965.

Design: 4 x 4 Latin square.

Area of each plot: 0.0135. Area harvested: 0.0035.

Treatments: All combinations of:-

1. Menazon granules placed: None (O), 0.8 lb menazon (G).
2. Menazon spray: None (O), sprayed 4 times with menazon (Saphicol at 0.5 pints in 37 gals) (S).

Basal application: 8 cwt (10:10:18).

Cultivations, etc.: Ploughed: Nov 24, 1964. Basal NPK applied, seed drilled at 3.5 lb, menazon granules placed: Apr 13, 1965. Menazon sprays applied: June 3, June 21, July 3, July 16. Lifted: Aug 25. Variety: New Model Red Cored. Previous crops: Winter wheat 1963, barley 1964.

NOTE: Weekly sticky-trap records were taken and periodical aphid counts were made on plots. Estimates of virus infection and yield from samples were made early in August. Root-top ratios were estimated.

Standard errors per plot.

Marketable roots: 1.822 or 7.6% (6 d.f.)

Tops from marketable roots: 0.712 or 9.8% (6 d.f.)

65/De/1.2

SUMMARY OF RESULTS

	O	S	Mean
	MARKETABLE ROOTS		
	(±0.911)		(±0.644)
O	20.91	26.17	23.54
G	23.56	24.78	24.17
Mean (±0.644)	22.24	25.48	23.86

	O	S	Mean
	TOPS FROM MARKETABLE ROOTS		
	(±0.356)		(±0.252)
O	6.00	8.06	7.03
G	7.42	7.55	7.49
Mean (±0.252)	6.71	7.81	7.26