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RESEARCH

Yields of the Field Experiments 1965

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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