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71/R/K/1 Virus Control - Kale

Rothamsted Research

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71/R/K/1

KALE

VIRUS CONTROL

Object: To study the effects of insecticides on virus infection and yield of kale - Great Field I.

Design: 4 randomised blocks of 4 plots.

Whole plot dimensions: 10.7 x 10.7. Area harvested: 0.00114.

Treatments: Insecticides:-

All combinations of:

(1) Menazon: None (0), 'Saphicol' at 1.05 l in 674 l (M)

(2) BHC: None (0), 0.21 kg in 674 l (B)

The treatments were applied on 3 occasions (17 June, 16 July, 19 Aug).

Basal applications: 251 kg (0:20:20), 942 kg (20:10:10). Weedkiller: Linuron at 0.84 kg in 427 l.

Cultivations, etc.: Ploughed: 2 Nov, 1970. PK applied: 3 Apr, 1971. NPK applied: 5 Apr. Seed drilled at 2.24 kg: 7 Apr. Weedkiller applied: 22 May. Singled: 2 June. Harvested: 17 Dec. Variety: Maris Kestrel. Previous crops: Spring wheat 1969, spring beans 1970.

NOTE: Observations were made on aphid infestation and virus infection.

Standard error per plot.

Fresh weight, tonnes/hectare: 10.01 or 13.4% (9 d.f.)

71/R/K/1

SUMMARY OF RESULTS

FRESH WEIGHT: TONNES/HECTARE

	O	B	Mean
	(±5.01)		(±3.54)
O	76.2	76.1	76.1
M	72.5	74.0	73.3
Mean (±3.54)	74.3	75.0	74.7