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72/W/CS/63 Nematodes and Verticillium - W. Wheat

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72/W/CS/63

NEMATODES AND VERTICILLIUM

Object: To study the residual effects of methyl bromide, aldicarb and benomyl (applied 1970) on winter wheat - Woburn Broad Mead I.

The third year, winter wheat.

Sponsors: D.C.M. Corbett, G.A. Hide.

For previous years see 70/W/P/2(t) and 71/W/CS/63.

Design: 4 blocks of 4 plots.

Whole plot dimensions: 2.67 x 13.4. Area harvested: 0.00191.

Treatments:-

Residues of chemicals applied to potatoes 1970, (none in 1971 or 1972), (C). None (O), methyl bromide at 975 kg (M), aldicarb at 7 kg (T), benomyl at 22 kg (B).

Basal applications: 290 kg (0:20:20) combine drilled, 440 kg 'Nitro-Chalk'. Weedkiller: 2,4-D at 0.7 kg plus dichlorprop at 2.8 kg in 280 l.

Seed: Cappelle sown at 170 kg.

Cultivations, etc.:

Deep-tine cultivated on two occasions: 16 Sept, 9 Oct, 1971.

Seed combine drilled: 15 Oct. Weedkiller applied: 31 Mar, 1972.

N applied: 17 Apr. Combine harvested: 1 Sept.

NOTE: Grain samples were taken for determination of residues of methyl bromide.

Standard error per plot.

Grain, tonnes/hectare: 0.272 or 3.5% (9 d.f.)

72/W/CS/63

TABLE OF MEANS

GRAIN: TONNES/HECTARE

C				
O	B	M	T	Mean
7.71	7.83	7.62	7.75	7.73

STANDARD ERROR OF DIFFERENCES

C 0.193

Mean D.M. %: 84.6