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72/W/CS/56 Nematodes and Verticillium - W. Wheat

Rothamsted Research

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72/W/CS/56

NEMATODES AND VERTICILLIUM

Object: To study the residual effects of methyl bromide (applied 1969 and 1971) and aldicarb and benomyl (applied 1969 only) (C) on winter wheat - Woburn Broad Mead I.

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

The fourth year, winter wheat.

For previous years see 69/W/P/2(t), 70/W/CS/56(t) and 71/W/CS/56(t).

Design: 4 blocks of 6 plots.

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

Basal applications: 290 kg (0:20:20) combine drilled, 440 kg 'Nitro-Chalk'. Weedkiller: 2,4-D at 0.70 kg plus dichlorprop at 2.8 kg in 280 l.

Seed: Cappelle sown at 170 kg..

Cultivations, etc.: Deep-tine cultivated on 2 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 analysis of methyl bromide residues.

Standard error per plot.

Grain, tonnes/hectare: 0.435 or 6.1% (15 d.f.)

72/W/CS/56

TABLE OF MEANS

GRAIN: TONNES/HECTARE

C

00	MD	MW	TO	M1	M2	Mean
7.34	7.26	7.32	6.82	7.24	7.13	7.19

STANDARD ERROR OF DIFFERENCES

C 0.308

Mean D.M. %: 85.0