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71/W/CS/55 Fumigation and N - Beans

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71/W/CS/55

FUMIGATION AND N

Object: To study the cumulative effects of dazomet and nitrogen fertiliser on pathogens and yield of spring beans grown continuously - Woburn Butt Furlong.

The third year, spring beans.

For previous years see 69/W/BE/1(t) and 70/W/CS/55.

Whole plot dimensions: 2.13 x 4.27. Area harvested: 0.00020.

Basal applications: 448 kg (0:14:28).

Cultivations, etc.: Ploughed: 3 Sept, 1970. Dazomet applied, all plots rotary cultivated, rolled: 23 Sept. Ploughed second time: 9 Feb, 1971. Fertiliser placed, seed drilled at 224 kg: 12 Mar. First half N applied: 24 Mar. Second half N applied: 12 May. Hand harvested: 1 Sept. Variety: Tarvin.

NOTES: (1) Soil samples taken for counts of ectoparasitic nematodes.
(2) Plant samples taken for observations of fungal pathogens.
(3) Counts made of germination %, number of stems and pods before harvest, 1000 grain weights and % nitrogen in grain.

Standard error per plot.

Grain, tonnes/hectare: 0.410 or 20.4% (10 d.f.)