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Yields of the Field Experiments 1974

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74/R/BE/7 Control of Stem Eelworm - Beans

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74/R/BE/7

SPRING BEANS

CONTROL OF STEM EELWORM

Object: To study the effects of a range of rates of aldicarb, applied in the row, on yield and the control of stem eelworm (*Ditylenchus dipsaci*) in a seed-infested stock of field beans - Garden Plot 7.

Sponsor: D.J. Hooper.

Design: 4 randomised blocks of 4 plots.

Whole plot dimensions: 1.52 x 9.14. Area harvested: 0.00139.

Treatments: Rates of aldicarb (kg):	ALDICARB
None	0
1	1
2	2
4	4

NOTE: Aldicarb was applied in bands approx. 7.5 cm wide over the seed in rows spaced 50 cm apart.

Basal applications: Manures: (0:20:20) at 1000 kg. Weedkiller: Simazine at 0.84 kg in 340 l. Insecticide: Demeton-s-methyl at 0.25 kg in 340 l.

Seed: Minor, sown at 220 kg.

Cultivations, etc.: - PK applied: 20 Nov, 1973. Ploughed: 11 Dec. Rotary cultivated: 1 Apr, 1974. Seed sown and treatments applied: 2 Apr. Weedkiller applied: 5 Apr. Insecticide applied: 20 June and 19 July. Combine harvested: 30 Sept. Previous crops: Potatoes 1972, fallow 1973.

NOTES: Number of stems infested with stem eelworm were assessed in mid August. Samples of seed were taken at harvest to assess incidence of stem eelworm.

Standard error per plot.

Grain, tonnes/hectare: 0.534 or 11.7% (9 d.f.)

74/R/BE/7

TABLE OF MEANS

GRAIN: TONNES/HECTARE

ALDICARB

0	1	2	4	Mean
4.52	4.48	4.53	4.68	4.55

STANDARD ERROR OF DIFFERENCES

ALDICARB

0.377

Mean D.M. % 71.3