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RESEARCH

## Yields of the Field Experiments 1975

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### 75/ R/BE/7 - Effects of in-row Aldicerb - Beans

#### Rothamsted Research

Rothamsted Research (1976) 75/ R/BE/7 - *Effects of in-row Aldicerb - Beans* ; Yields Of The Field Experiments 1975, pp 348 - 349 - DOI: <https://doi.org/10.23637/ERADOC-1-141>

75/R/BE/7

SPRING BEANS

EFFECTS OF IN-ROW ALDICARB

Object: To study the effects of a range of rates of aldicarb applied in the rows on stem eelworm (*Ditylenchus dipsaci*) and weevil - transmitted viruses and the yield of field beans - Fosters O & E VI.

Sponsors: D.J. Hooper, A.J. Cockbain.

Design: 4 blocks of 4 plots.

Whole plot dimensions: 2.54 x 9.14.

Treatments: Rates of aldicarb (kg):-

	ALDICARB
None	0
1	1
2	2
4	4

NOTE: Aldicarb applied in bands over the open drills at sowing, harrowed in.

Basal applications: Manures: (0:14:28) at 750 kg. Weedkiller: Simazine at 1.1 kg in 340 l.

Seed: Maris Bead, sown at 220 kg.

Cultivations, etc.:- Ploughed: 17 Jan, 1975. PK applied, power harrowed: 23 Apr. Seed sown: 25 Apr. Weedkiller applied: 8 May. Combine harvested: 30 Aug. Previous crops: Beans 1973 and 1974.

- NOTES: (1) Stems showing symptoms of attack by stem eelworm were counted on 5 Aug and samples of seed were taken at maturity to assess seed infestation.  
(2) After harvest soil samples were taken to assess infestation by stem eelworm.

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\*\*\* TABLES OF MEANS \*\*\*

GRAIN TONNES/HECTARE

ALDICARB	0	1	2	4	MEAN
	1.08	1.69	1.87	2.03	1.67

\*\*\* STANDARD ERRORS OF DIFFERENCES OF MEANS \*\*\*

TABLE	ALDICARB
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SED	0.106

\*\*\* STRATUM STANDARD ERRORS AND COEFFICIENTS OF VARIATION \*\*\*

STRATUM	DF	SE	CV%
BLOCK.WP	9	0.150	9.0

GRAIN MEAN DM% 87.0

PLOT AREA HARVESTED 0.00139