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# Yields of the Field Experiments 1984

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## 84/R/BE/10 Control of *Pratylenchus* - S. Beans

### Rothamsted Research

Rothamsted Research (1985) *84/R/BE/10 Control of Pratylenchus - S. Beans* ; Yields Of The Field Experiments 1984, pp 293 - 294 - DOI: <https://doi.org/10.23637/ERADOC-1-32>

84/R/BE/10

SPRING BEANS

CONTROL OF PRATYLENCHUS

Object: To study the effects of aldicarb and carbofuran on numbers of *Pratylenchus* nematodes and on the yield of s. beans - Highfield VI.

Sponsor: R.M. Webb.

Design: 4 randomised blocks of 5 plots.

Whole plot dimensions: 5.33 x 13.7.

Treatments:

NEMACIDE                      Nematicides, rates and methods of application:

NONE                              None  
AL BC                             Aldicarb at 10 kg, worked into seedbed

Carbofuran applied to seed furrows at sowing:

CA 1 CD                         At 1.7 kg  
CA 2 CD                         At 2.2 kg  
CA 3 CD                         At 3.2 kg

Basal applications: Weedkiller: Simazine at 1.2 kg in 250 l.

Seed: Minden, sown at 240 kg.

Cultivations, etc.: - Heavy spring-tine cultivated: 12 Sept, 1983.  
Ploughed: 15 Dec. Heavy spring-tine cultivated: 19 Mar, 1984. Aldicarb treatment applied, rotary harrowed, seed sown: 21 Mar. Weedkiller applied: 22 Mar. Combine harvested: 31 Aug. Previous crops: W. wheat 1982, s. barley 1983.

NOTE: Soil was sampled for nematodes just before treatments were applied, soil and plants were sampled in late May, and soils and roots in mid-June.

84/R/BE/10

GRAIN TONNES/HECTARE

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

NEMACIDE	NONE	AL BC	CA 1 CD	CA 2 CD	CA 3 CD	MEAN
	5.03	5.84	6.22	5.90	5.54	5.71

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

TABLE	NEMACIDE
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SED	0.178

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

STRATUM	DF	SE	CV%
BLOCK.WP	12	0.252	4.4

GRAIN MEAN DM% 87.6

PLOT AREA HARVESTED 0.00293