

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1985

[Full Table of Content](#)



85/R/BE/6 Control of *Pratylenchus* - S. Beans

Rothamsted Research

Rothamsted Research (1986) *85/R/BE/6 Control of Pratylenchus - S. Beans ; Yields Of The Field Experiments 1985*, pp 263 - 264 - DOI: <https://doi.org/10.23637/ERADOC-1-19>

85/R/BE/6

SPRING BEANS

CONTROL OF PRATYLENCHUS

Object: To study the effects of aldicarb, carbofuran and phorate on numbers of *Pratylenchus* nematodes and on the yield of s. beans - Great Harpenden II.

Sponsor: R.M. Webb.

Design: 4 randomised blocks of 8 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

Phorate applied to seed furrows at sowing:

PH 1 CD At 3.0 kg

PH 2 CD At 4.5 kg

PH 3 CD At 6.0 kg

Basal applications: Manures: Chalk at 5.0 t. Weedkiller: Simazine at 1.2 kg in 200 l.

Seed: Minden, sown at 260 kg.

Cultivations, etc.: - Chalk applied: 23 Aug, 1984. Ploughed: 9 Nov. Heavy spring-tine cultivated, spring-tine cultivated: 18 Mar, 1985. Aldicarb treatment applied, harrowed in, seed sown: 20 Mar. Weedkiller applied: 25 Mar. Combine harvested: 25 Sept. Previous crops: S. wheat 1983, s. barley 1984.

NOTE: Soil was sampled for nematodes just before treatments were applied, and both soil and plant roots were sampled in April and June.

85/R/BE/6

GRAIN TONNES/HECTARE

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

NEMACIDE	
NONE	4.90
AL BC	4.91
CA 1 CD	5.21
CA 2 CD	5.07
CA 3 CD	5.14
PH 1 CD	4.88
PH 2 CD	4.94
PH 3 CD	5.12
MEAN	5.02

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

TABLE	NEMACIDE
SED	0.136

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

STRATUM	DF	SE	CV%
BLOCK.WP	21	0.193	3.8
GRAIN MEAN DM%	83.2		
PLOT AREA HARVESTED	0.00293		