

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 1982

[Full Table of Content](#)



82/R/BE/10 Control of Sitona and Pratylenchus - Spring Beans

Rothamsted Research

Rothamsted Research (1983) *82/R/BE/10 Control of Sitona and Pratylenchus - Spring Beans ; Yields Of The Field Experiments 1982*, pp 296 - 297 - DOI: <https://doi.org/10.23637/ERADOC-1-33>

82/R/BE/10

SPRING BEANS

CONTROL OF SITONA AND PRATYLENCHUS

Object: To study a range of materials and methods of application on the control of Sitona weevils and Pratylenchus nematodes and on the yield of s. beans - Delafield.

Sponsors: R. Bardner, K.E. Fletcher, D.C. Griffiths, R.M. Webb.

Design: 4 randomised blocks of 12 plots.

Whole plot dimensions: 5.33 x 13.7.

Treatments:

CHEMICAL	Chemicals, rates and methods of application:
NONE	None
AL BCE	Aldicarb, 10 kg, broadcast on 25 Mar, 1982 and worked into seedbed
CF 1 CD	Carbofuran, 1.7 kg, combine drilled
CF 2 CD	Carbofuran, 2.2 kg, combine drilled
CF 3 CD	Carbofuran, 3.2 kg, combine drilled
CF 2 BCL	Carbofuran, 2.2 kg, broadcast on foliage on 29 Apr
CS FS	Carbosulfan, 2.2 kg, foliar spray on 5 May
PH 1 CD	Phorate, 1.7 kg, combine drilled
PH 2 CD	Phorate, 2.2 kg, combine drilled
PH 3 CD	Phorate, 3.2 kg, combine drilled
PH 2 BCE	Phorate, 2.2 kg, broadcast on 25 Mar and worked into seedbed
PH 2 BCL	Phorate, 2.2 kg, broadcast on foliage on 29 Apr

Basal applications: Manures: Chalk at 5.0 t. Weedkillers: Trietazine at 1.0 kg with simazine at 0.14 kg in 250 l.

Seed: Minden, sown at 270 kg.

Cultivations, etc.: Chalk applied: 10 Nov, 1981. Ploughed: 19 Jan, 1982. Spring-tine cultivated twice: 23 Mar, 24 Mar. Seed sown: 26 Mar. Weedkillers applied: 27 Mar. Combine harvested: 2 Sept. Previous crops: S. wheat and s. barley 1980, s. barley 1981.

NOTE: Adult Sitona damage was assessed in late April and mid-May. Larvae were assessed in late June.

82/R/BE/10

GRAIN TONNES/HECTARE

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

CHEMICAL	
NONE	4.07
AL BCE	4.09
CF 1 CD	4.11
CF 2 CD	4.43
CF 3 CD	4.18
CF 2 BCL	4.17
CS FS	4.36
PH 1 CD	4.27
PH 2 CD	4.16
PH 3 CD	4.19
PH 2 BCE	4.18
PH 2 BCL	4.23
MEAN	4.20

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

TABLE	CHEMICAL
SED	0.181

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

STRATUM	DF	SE	CV%
BLOCK.WP	33	0.256	6.1
GRAIN MEAN DM%	80.1		
PLOT AREA HARVESTED	0.00293		