

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/3 Control of Sitona - Winter Beans

Rothamsted Research

Rothamsted Research (1983) *82/R/BE/3 Control of Sitona - Winter Beans ; Yields Of The Field Experiments 1982*, pp 282 - 283 - DOI: <https://doi.org/10.23637/ERADOC-1-33>

82/R/BE/3

WINTER BEANS

CONTROL OF SITONA

Object: To study the effects of four insecticides on the numbers of Sitona and on the yield of w. beans - Gt. Knott III.

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

Design: 4 randomised blocks of 7 plots.

Whole plot dimensions: 5.33 x 13.7.

Treatments:

INSCODE	Forms, rates and methods of applying insecticides:
NONE	None
CF2 G S	Carbofuran at 2.2 kg, as granules, applied on 2 Apr, 1982
CS2 G A	Carbosulfan at 2.2 kg, as granules, applied to seedbed
CS2 G S	Carbosulfan at 2.2 kg, as granules, applied on 2 Apr
PER S S	Permethrin at 0.15 kg, as a spray, applied on 5 May
PH1 G S	Phorate at 1.1 kg, as granules, applied on 2 Apr
PH2 G S	Phorate at 2.2 kg, as granules, applied on 2 Apr

Basal applications: Weedkillers: Paraquat at 0.56 kg ion in 220 l. Propyzamide at 0.85 kg in 250 l. Fungicide: Benomyl at 0.55 kg in 250 l applied twice.

Seed: Throws MS, dressed with benomyl and thiram, sown at 250 kg.

Cultivations, etc.: - Deep spring-tine cultivated twice: 9 Sept, 1981 and once: 11 Sept. Paraquat applied: 22 Sept. Spring-tine cultivated, autumn granular treatments applied, rotary harrowed and seed sown: 23 Sept. Propyzamide applied: 29 Sept. Benomyl applied twice: 19 May, 1982, 7 June. Combine harvested: 12 Aug. Previous crops: W. wheat 1980, s. barley 1981.

NOTES: (1) Adult Sitona were assessed in mid-April and early June. Larvae were assessed in mid-June.
(2) Midge (*Resseliella* sp.) damage was assessed in stems in mid-June and soil cores were examined in August.

82/R/BE/3

GRAIN TONNES/HECTARE

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

INSCTCDE	NONE	CF2 G S	CS2 G A	CS2 G S	PER S S	PH1 G S	PH2 G S	MEAN
	3.28	3.58	3.30	3.47	3.56	3.53	3.22	3.42

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

TABLE	INSCTCDE
-----	-----
SED	0.154

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

STRATUM	DF	SE	CV%
BLOCK.WP	18	0.218	6.4

GRAIN MEAN DM% 85.1

PLOT AREA HARVESTED 0.00293