

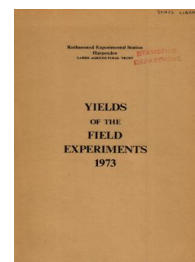
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1973

[Full Table of Content](#)



73/R/BE/7 - Effects of Aphids - Beans

Rothamsted Research

Rothamsted Research (1974) 73/R/BE/7 - *Effects of Aphids - Beans* ; Yields Of The Field Experiments 1973, pp 357 - 358 - DOI: <https://doi.org/10.23637/ERADOC-1-98>

73/R/BE/7

SPRING BEANS

EFFECTS OF APHIDS

Object: To study the effects of applying liquid or granular insecticides at different times on yield and aphid control - Great Knott II.

Sponsors: R. Bardner, J.H. Stevenson, K.E. Fletcher.

Design: 5 randomised blocks of 6 plots.

Whole plot dimensions: 5.34 x 12.2. Area harvested: 0.00390.

Treatments: Insecticides:-	INSC TCDE
None	0
Phorate at 1.12 kg as granules:	
At start of flowering, 7 June	PGE
At end of flowering, 9 July	PGL
Demeton-s-methyl at 0.25 kg in 370 l:	
At start of flowering, 6 June	DSE
At end of flowering, 9 July	DSL
At start and again at end of flowering	DSEL

Basal applications: Manures: Ground chalk at 7.5 tonnes. (0:20:20) at 1300 kg and Epsom salts at 900 kg to part which did not receive this dressing in 1970. (0:14:28) at 400 kg, placement drilled. Weedkiller: Simazine at 1.1 kg in 220 l.

Seed: Maris Bead, sown at 220 kg.

Cultivations, etc.:- PK applied: 21 Sept, 1972. Epsom salts applied: 22 Sept. Chalk applied: 25 Sept. Ploughed: 22 Nov. Spring-tine cultivated: 8 Mar, 1973. Seed sown: 9 Mar. Weedkiller applied: 16 Mar. Combine harvested: 3 Sept. Previous crops: Winter wheat 1971, barley 1972.

NOTE: Aphid counts were made throughout the season.

Standard error per plot.

Grain, tonnes/hectare: 0.375 or 9.3% (20 d.f.)

73/R/BE/7

TABLES OF MEANS

GRAIN: TONNES/HECTARE

INSCTCDE						
0	PGE	PGL	DSE	DSL	DSEL	Mean
3.70	4.38	3.65	4.21	3.90	4.27	4.02

STANDARD ERROR OF DIFFERENCES

INSCTCDE

0.237

Mean D.M. % 83.7