

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 1976

[Full Table of Content](#)

76/R/BE/6 Control of Sitona Larvae - S. Beans

Rothamsted Research

Rothamsted Research (1977) *76/R/BE/6 Control of Sitona Larvae - S. Beans* ; Yields Of The Field Experiments 1976, pp 326 - 326 - DOI: <https://doi.org/10.23637/ERADOC-1-15>

76/R/EE/6

SPRING BEANS

CONTROL OF SITONA LARVAE

Object: To study the effects of a range of insecticides on the control of Sitona larvae and on the yield of field beans - Little Hoos.

Sponsor: R. Bardner.

Design: 3 randomised blocks of 19 plots.

Whole plot dimensions: 2.13 X 4.27.

Treatments

INSCTCDE	Insecticides:
NONE	None (2 plots/block)
CHLORF 1	Chlorfenvinphos at 2.24 kg, as granules
CHLORF 2	Chlorfenvinphos at 4.48 kg, as granules
CHLORM 1	Chlormephos at 2.24 kg, as granules
CHLORM 2	Chlormephos at 4.48 kg, as granules
CHLORP 1	Chlorpyrifos at 2.24 kg, as wettable powder
CHLORP 2	Chlorpyrifos at 4.48 kg, as wettable powder
DIELDR 1	Dieldrin at 2.24 kg, as emulsifiable liquid (2 plots/block)
DIELDR 2	Dieldrin at 4.48 kg, as emulsifiable liquid (2 plots/block)
FENITROT	Fenitrothion at 0.75 kg, as spray, repeated four times
FONOF 1	Fonofos at 2.24 kg, as granules
FONOF 2	Fonofos at 4.48 kg, as granules
ISOFEN 1	Isofenphos at 2.24 kg, as granules
ISOFEN 2	Isofenphos at 4.48 kg, as granules
PERMET 1	Permethrin at 2.24 kg, as granules
PERMET 2	Permethrin at 4.48 kg, as granules

NOTE: Sprays applied in 10,000 l. Fenitrothion applied on 12, 28 Apr, 1976, 17 May, 7 June. All other treatments were applied on 4 Mar and rotated in.

Basal applications: Manures: Chalk at 7.5 t. FYM at 25 t. Weedkillers: Simazine at 1.1 kg in 220 l.

Seed: Minden, sown at 220 kg.

Cultivations, etc.:- Chalk applied: 19 Sept, 1975. Heavy spring-tine cultivated: 14 Oct. FYM applied: 23 Oct. Ploughed: 28 Oct. Spring-tine cultivated: 27 Feb, 1976. Seed sown: 5 Mar. Weedkiller applied: 9 Mar. Harvested by hand: 21 July. Previous crops: Wheat 1974, barley 1975.

NOTE: Samples were taken to assess numbers of Sitona larvae per root and root nodule damage. Leaf notches per plant and plant height were assessed.