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Yields of the Field Experiments 1974

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74/R/BE/4 Synthetic Pyrethroid - Beans

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74/R/BE/4

SPRING BEANS

SYNTHETIC PYRETHROID

Object: To study the effects of the synthetic pyrethroid NRDC 143 on the control of bean weevils and the yield of field beans - Long Hoos I and II.

Sponsor: J.H. Stevenson.

Design: 3 randomised blocks of 3 plots.

Whole plot dimensions: 8.53 x 9.14. Area harvested: 0.00293.

Treatments: Insecticides:	INSECTICIDE
None	None
Methomyl at 1.0 kg	Methomyl
NRDC 143 at 0.56 kg	NRDC 143

NOTE: Treatments were applied on 12 June in 390 l.

Basal applications: Manures: (0:14:26) at 400 kg placement drilled.
Weedkiller: Simazine at 1.1 kg in 220 l.

Seed: Minor, sown at 220 kg.

Cultivations, etc.: - Ploughed: 19 Nov, 1973. Spring-tine cultivated twice: 8 and 9 Mar, 1974. Spring-tine cultivated: 26 Mar. Seed sown and spring-tine cultivated: 27 Mar. Weedkiller applied: 10 Apr. Combine harvested: 26 Sept. Previous crops: Winter wheat 1972, barley 1973.

NOTE: Counts were made of weevils (Sitona and Apion) just before spraying and daily for eight days after.

Standard error per plot.

Grain, tonnes/hectare: 0.489 or 15.4% (4 d.f.)

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TABLE OF MEANS

GRAIN: TONNES/HECTARE

INSECTICIDE			Mean
None	Methomyl	NRIC 143	
1.89	3.74	3.89	3.17

STANDARD ERROR OF DIFFERENCES

INSECTICIDE

0.399

Mean D.M. % 75.9