

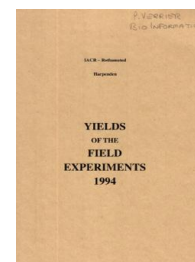
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## Yields of the Field Experiments 1994

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### 94/R/BES/2 Weevils and Insecticide - S. Beans

#### Rothamsted Research

Rothamsted Research (1995) *94/R/BES/2 Weevils and Insecticide - S. Beans* ; Yields Of The Field Experiments 1994, pp 137 - 138 - DOI: <https://doi.org/10.23637/ERADOC-1-49>

94/R/BES/2

SPRING BEANS

WEEVILS AND INSECTICIDE

**Object:** To relate numbers of overwintering *Sitona lineatus* to the most effective timing of insecticide applied to spring beans - Long Hoos V 7 & 8.

**Sponsors:** L.E. Smart, M.M. Blight, R.T. Glinwood.

**Design:** 5 x 5 quasi-complete Latin square.

**Whole plot dimensions:** 6.0 x 6.0.

**Treatments:**

<b>DELT TIM</b>	Timing of deltamethrin spray application:
NONE	None
EAR+LAT	Early and late
MID	Middle
LATE	Late
ERMIDLAT	Early, middle and late

**Experimental diary:**

01-Nov-93 : B : Roundup at 3.0 l in 200 l.  
18-Nov-93 : B : Ploughed.  
10-Mar-94 : B : Heavy spring-tine cultivated, rotary harrowed, Alfred drilled at 60 seeds per m<sup>2</sup>.  
11-Mar-94 : B : Opogard 500 SC at 3.4 l in 200 l.  
25-Apr-94 : T : **DELT TIM** EAR+LAT, ERMIDLAT: Decis at 7.5 g in 200 l.  
06-May-94 : T : **DELT TIM** MID, ERMIDLAT: Decis at 7.5 g in 200 l.  
19-May-94 : T : **DELT TIM** EAR+LAT, LATE, ERMIDLAT: Decis at 7.5 g in 200 l.  
11-Jul-94 : B : Bravo 500 at 1.0 l with Rovral Flo at 1.5 l and Pirimicarb 50 DG at 280 g in 300 l.  
18-Aug-94 : B : Combine harvested.

Previous crops: S. barley 1992, potatoes 1993.

**NOTE:** Assessments of damage to leaves by adult weevils were made during April and May and the number of larvae in root nodules was assessed at the end of May.

94/R/BES/2

GRAIN TONNES/HECTARE

\*\*\*\*\* Tables of means \*\*\*\*\*

DELT TIM	NONE	EAR+LAT	MID	LATE	ERMIDLAT	Mean
	3.17	3.46	3.14	3.32	3.61	3.34

\*\*\* Standard errors of differences of means \*\*\*

DELT TIM  
0.101

\*\*\*\*\* Stratum standard errors and coefficients of variation \*\*\*\*\*

Stratum	d.f.	s.e.	cv%
ROW.COL	12	0.159	4.8

GRAIN MEAN DM% 83.7

PLOT AREA HARVESTED 0.00138