

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 1993

[Full Table of Content](#)



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

#### Rothamsted Research

Rothamsted Research (1994) *93/R/BES/2 Weevils and Insecticide - S. Beans* ; Yields Of The Field Experiments 1993, pp 148 - 149 - DOI: <https://doi.org/10.23637/ERADOC-1-48>

93/R/BES/2

SPRING BEANS

WEEVILS AND INSECTICIDE

**Object:** To relate numbers of overwintering *Sitona lineatus* to the most effective timing of application of insecticide to spring beans - White Horse II.

**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:**

**DELT TIM**                    Timing of deltamethrin spray application:

NONE	None
EARLY	Early
MID	Mid
LATE	Late
EAR+LAT	Early and Late

**Experimental diary:**

10-Feb-93 : B : Ploughed.  
23-Mar-93 : B : Rotary harrowed.  
24-Mar-93 : B : Rotary harrowed, Alfred, undressed, drilled at 60 seeds per square metre.  
25-Mar-93 : B : Opogard 500 FW at 3.4 l in 200 l.  
30-Apr-93 : T : **DELT TIM** EARLY, EAR+LAT: Deltamethrin at 7.5 g in 200 l.  
10-May-93 : T : **DELT TIM** MID: Deltamethrin at 7.5 g in 200 l.  
18-May-93 : T : **DELT TIM** LATE, EAR+LAT: Deltamethrin at 7.5 g in 200 l.  
06-Sep-93 : B : Combine harvested.

Previous crops: Linseed 1991 and 1992.

**NOTE:** Assessments of adult and larval *Sitona lineatus* population size and feeding damage were made between April and June.

93/R/BES/2

GRAIN TONNES/HECTARE

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

DELT TIM	NONE	EARLY	MID	LATE	EAR+LAT	Mean
	5.12	5.23	5.25	5.45	5.41	5.29

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

DELT TIM  
0.172

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

Stratum	d.f.	s.e.	cv%
ROW.COL	12	0.272	5.1

GRAIN MEAN DM% 83.3

SUB PLOT AREA HARVESTED 0.00138