

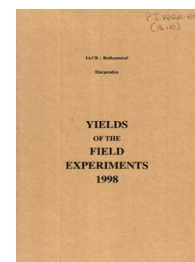
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## Yields of the Field Experiments 1998

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### 98/R/BES/5 Induction Agent and Spring Beans - S. Beans

#### Rothamsted Research

Rothamsted Research (1999) *98/R/BES/5 Induction Agent and Spring Beans - S. Beans* ; Yields Of The Field Experiments 1998, pp 164 - 165 - DOI: <https://doi.org/10.23637/ERADOC-1-52>

98/R/BES/5

SPRING BEANS

INDUCTION AGENT AND SPRING BEANS

**Object:** To test in the field an 'induction agent' on the control of aphids in spring beans - Highfield VI.

**Sponsor:** B.J. Pye, J. Martin, L.E. Smart.

**Design:** 6 x 6 quasi-complete Latin square.

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

**Treatments:**

<b>TREATMNT</b>	Induction agent
C	None (triplicated)
R1	AJH/8/158 on 22-May-98
R2	AJH/8/158 on 22-May-98 and 01-Jun-98
R3	AJH/8/158 on 22-May-98 and 19-Jun-98

**NOTE:** Agent AJH/8/158 is under commercial development, composition undisclosed.

**Experimental diary:**

05-Nov-97 : B : Farmyard manure at 25 t.  
07-Nov-97 : B : Ploughed.  
06-Feb-98 : B : Rotary harrowed, Alfred, undressed, drilled at 40 seeds per m<sup>2</sup>.  
13-Feb-98 : B : Opogard 500 SC at 3.4 l in 200 l.  
08-May-98 : B : Standon Bentazone at 1.5 l in 200 l. Folio 575 SC at 2.0 l in 200 l.  
22-May-98 : **T** : **TREATMNT** R1, R2, R3: AJH/8/158 at 50 g in 200 l.  
01-Jun-98 : **T** : **TREATMNT** R2: AJH/8/158 at 50 g in 200 l.  
08-Jun-98 : B : Folio 575 SC at 2.0 l in 200 l.  
19-Jun-98 : **T** : **TREATMNT** R3: AJH/8/158 at 50 g in 200 l.  
16-Jul-98 : B : Bavistin DF at 0.5 l with Bravo 500 at 2.0 l in 200 l.  
28-Aug-98 : B : Combine harvested.

Previous crops: W. barley 1996 and 1997.

**NOTE:** Aphid infestation was assessed weekly mid-May to end of June.

98/R/BES/5

GRAIN TONNES/HECTARE

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

TREATMNT

C	2.04
R1	2.10
R2	2.05
R3	1.99

Mean	2.04
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\*\*\* Standard errors of differences of means \*\*\*

TREATMNT

0.358	min.rep
0.292	max-min

TREATMNT

min.rep	Any of the remainder
max-min	C v any of the remainder

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

Stratum	d.f.	s.e.	cv%
ROW.COL	22	0.620	30.4

GRAIN MEAN DM% 80.2

PLOT AREA HARVESTED 0.00138