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## Yields of the Field Experiments 1995

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### 95/R/BEW/1 Pheromone-baited Trap Crop - W. Beans

#### Rothamsted Research

Rothamsted Research (1996) *95/R/BEW/1 Pheromone-baited Trap Crop - W. Beans* ; Yields Of The Field Experiments 1995, pp 125 - 126 - DOI: <https://doi.org/10.23637/ERADOC-1-50>

95/R/BEW/1

WINTER BEANS

PHEROMONE-BAITED TRAP CROP

**Object:** To use pheromone-baited winter beans as a trap crop to attract spring migrant pea and bean weevils - Long Hoos I/II.

**Sponsors:** L.E. Smart, B.J. Pye.

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

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

**Treatments:**

<b>PHEROMON</b>	Pheromone and insecticide:
-	None
P	Pheromone
PI1	Pheromone with insecticide applied once
PI2	Pheromone with insecticide applied twice
PI3	Pheromone with insecticide applied thrice

**Experimental diary:**

26-Sep-94 : B : Ploughed and furrow pressed.  
21-Oct-94 : B : Spring-tine cultivated, Punch, recleaned, drilled at 25 seeds per m<sup>2</sup>.  
07-Feb-95 : **T** : **PHEROMON** P, PI1, PI2, PI3: Pheromone applied.  
04-Apr-95 : B : Bombardier at 2.0 l in 200 l.  
06-Apr-95 : **T** : **PHEROMON** PI1, PI2, PI3: Decis at 300 ml in 200 l.  
19-Apr-95 : **T** : **PHEROMON** PI2, PI3: Decis at 300 ml in 200 l.  
05-May-95 : **T** : **PHEROMON** PI3: Decis at 300 ml in 200 l.  
01-Aug-95 : B : Combine harvested.

Previous crops: W. wheat 1993, s. wheat 1994.

**NOTES:** (1) From April pheromones were applied from dispensers placed at the plot centres.  
(2) Assessments of adult feeding damage were made between February and May.

95/R/BEW/1

**GRAIN TONNES/HECTARE**

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

**PHEROMON**

-	2.02
P	2.09
PI1	2.02
PI2	2.10
PI3	2.32
Mean	2.11

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

**PHEROMON**

0.124

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

Stratum	d.f.	s.e.	cv%
ROW.COL	12	0.196	9.3

GRAIN MEAN DM% 88.0

PLOT AREA HARVESTED 0.00276