

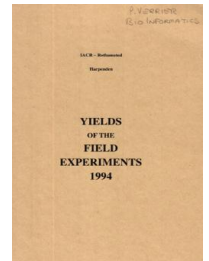
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1994

[Full Table of Content](#)



94/R/BEW/3 Pheromone-baited Trap Crop - W. Beans

Rothamsted Research

Rothamsted Research (1995) *94/R/BEW/3 Pheromone-baited Trap Crop - W. Beans* ; Yields Of The Field Experiments 1994, pp 135 - 136 - DOI: <https://doi.org/10.23637/ERADOC-1-49>

94/R/BEW/3

WINTER BEANS

PHEROMONE-BAITED TRAP CROP

Object: To investigate the use of pheromone-baited winter beans as a trap crop for migrants of the pea and bean weevil (*Sitona lineatus*) - Pastures.

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:

TREATMNT	Pheromone release and timing of insecticide applications:
-	None
P	Pheromone released, no insecticide
PI-1	Pheromone released, insecticide applied late
PI-2	Pheromone released, insecticide applied early
PI-3	Pheromone released, insecticide applied early and late

Experimental diary:

29-Oct-93 : B : Punch broadcast at 25 seeds per m², ploughed, spring-tine cultivated.
31-Jan-94 : B : Carbetamex at 3.0 kg in 200 l.
21-Apr-94 : T : TREATMNT PI-2, PI-3: Decis at 7.5 g in 200 l.
06-May-94 : B : Bombardier at 1.5 l with Ronilan FL at 0.5 l in 300 l.
19-May-94 : T : TREATMNT PI-1, PI-3: Decis at 7.5 g in 200 l.
18-Aug-94 : T : Combine harvested.

Previous crops: W rape 1992, w.wheat 1993.

NOTES: (1) From late February, pheromone was released from a point source, which was hung above the crop at the plot centre.
(2) Assessments of damage to leaves by adult weevils were made during March and April.

94/R/BEW/3

GRAIN TONNES/HECTARE

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

TREATMNT	
-	3.78
P	4.01
PI-1	4.56
PI-2	4.38
PI-3	4.19
Mean	4.18

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

TREATMNT
0.341

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

Stratum	d.f.	s.e.	cv%
ROW.COL	12	0.540	12.9

GRAIN MEAN DM% 85.7

SUB PLOT AREA HARVESTED 0.00138