

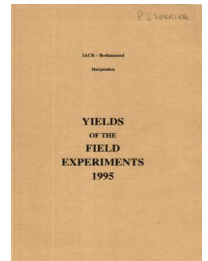
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95/R/BEW/1 Pheromone-baited Trap Crop - W. Beans

Rothamsted Research

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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:

PHEROMON	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 m².
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
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*** 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