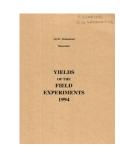
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Yields of the Field Experiments 1994



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Rothamsted Research

Rothamsted Research (1995) 94/R/BES/3 bean Flower Colour and Pheromone - S. Beans; Yields Of The Field Experiments 1994, pp 139 - 140 - DOI: https://doi.org/10.23637/ERADOC-1-49

94/R/BES/3

SPRING BEANS

BEAN FLOWER COLOUR AND PHEROMONE

Object: To compare the incidence of Sitona lineatus in purple and white flowered beans with and without insecticide and pheromone - Little Hoos.

Sponsors: L.E. Smart, M.M. Blight, R.T. Glinwood.

Design: 6 x 6 quasi-complete Latin square.

Whole plot dimensions: 6.0 x 6.0.

Treatments:

TREATMNT	Variety, insecticide and pheromone:
A-	Alfred
AI	Alfred with insecticide
AP	Alfred with pheromone
C-	Caspar
CI	Caspar with insecticide
CP	Caspar with pheromone

Experimental diary:

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29-Nov-93 : B : Deep tine cultivated.
21-Mar-94 : B : Scythe at 2.0 1 in 200 1.
26-Mar-94 : B : Oxytril CM at 1.5 1 with Starane 2 at 1.0 1 in 200 1.
30-Mar-94 : B : Heavy spring-tine cultivated, spring-tine cultivated.
          : T : TREATMNT A-, AI, AP: Alfred drilled at 60 seeds per m^2.
          : \mathbf{T} : \mathbf{TREATMNT} C-, CI, CP: Caspar drilled at 60 seeds per m^2.
12-May-94 : T : TREATMNT AI, CI: Decis at 7.5 g in 200 1.
08-Jul-94 : B : Bombardier at 1.0 l with Rovral Flo at 1.5 l and
                   Pirimicarb 50 DG at 0.28 kg in 200 1.
18-Aug-94: T: Combine harvested.
```

Previous crops : S. barley 1992, potatoes 1993.

NOTES: (1) From late April, pheromone was released from a point source, which was hung above the crop at the plot centre.

(2) Assessments were made of weevil larval numbers in root nodules at the end of May and of damage to leaves by adult weevils in April and May. Pitfall traps were used to assess weevil populations during the season.

94/R/BES/3

GRAIN TONNES/HECTARE

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

TREATMNT

A- 2.27 AI 2.36 AP 2.11 C- 2.47 CI 2.16 CP 1.71

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

2.18

TREATMNT

0.267

Mean

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

Stratum d.f. s.e. cv%

ROW.COL 20 0.463 21.2

GRAIN MEAN DM% 80.3

PLOT AREA HARVESTED 0.00276