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RESEARCH

Yields of the Field Experiments 1996

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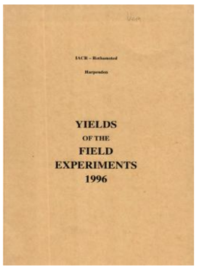

96/R/RAW/7 Pheromones and W. Rape - W. Oilseed Rape

Rothamsted Research

Rothamsted Research (1997) *96/R/RAW/7 Pheromones and W. Rape - W. Oilseed Rape ;* Yields Of The Field Experiments 1996, pp 125 - 126 **- DOI: https://doi.org/10.23637/ERADOC-1-51**

96/R/RAW/7

WINTER OILSEED RAPE

PHEROMONES IN W. RAPE

Object: To test the effects of aphid sex pheromones on aphid parasitoids in w. rape - Great Knott II.

Sponsors: R. Glinwood, W. Powell.

Design: 4 x 4 Latin square balanced for neighbours.

Whole plot dimensions: 6.0 x 6.0.

Treatments:

PHERMONE	Pheromones:
C	None
L	Nepetalactone
LO	Nepetalactol
R	Nepetalactone and nepetalactol

Experimental diary:

07-Aug-95 : B : Ploughed and furrow pressed.
11-Sep-95 : B : Rotary harrowed, Envol, dressed Lindex-Plus FS, drilled at 120 seeds per m^2.
02-Oct-95 : B : Butisan S at 1.5 l with Cyperkill 10 at 250 ml in 200 l.
29-Feb-96 : B : 34.5% N at 174 kg.
09-Apr-96 : B : 34.5% N at 348 kg.
11-Apr-96 : B : Folicur at 0.5 l in 300 l.
13-May-96 : **T** : **PHERMONE** L, LO, R: Pheromones in vials placed in the crop.
30-Jul-96 : B : Combine harvested.

Previous crops: S. beans 1994, set-aside 1995.

NOTE: Samples of aphids and parasitoids were taken weekly.

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96/R/RAW/7

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

     PHERMONE
            C       4.03
            L       3.71
           LO       3.62
            R       3.62

         Mean       3.74

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

      PHERMONE
         0.126

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

Stratum                      d.f.          s.e.          cv%

ROW.COL                         6         0.178          4.7

GRAIN MEAN DM%   84.8

PLOT AREA HARVESTED   0.00138
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