

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 1996

[Full Table of Content](#)



96/R/WW/10 Pheromones in Winter Wheat

Rothamsted Research

Rothamsted Research (1997) *96/R/WW/10 Pheromones in Winter Wheat* ; Yields Of The Field Experiments 1996, pp 115 - 116 - DOI: <https://doi.org/10.23637/ERADOC-1-51>

96/R/WW/10

WINTER WHEAT

PHEROMONES IN WINTER WHEAT

Object: To test the effects of aphid sex pheromones on aphid parasitoids in w. wheat - Great Field I/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	Pheromone nepetalactone, vials per plot:
C	None
L1	1
L2	2
L3	3

Experimental diary:

29-Jul-95 : B : Straw baled.
05-Aug-95 : B : PK as 0:20:32 at 1407 kg.
12-Sep-95 : B : Ploughed and furrow pressed.
13-Oct-95 : B : Spring-tine cultivated.
20-Oct-95 : B : Rotary harrowed, Hereward, dressed Sibutol, drilled at 380 seeds per m².
23-Oct-95 : B : Avadex BW Granular at 22.5 kg.
12-Mar-96 : B : 34.5% N at 116 kg.
16-Apr-96 : B : 34.5% N at 470 kg.
29-Apr-96 : B : Ally at 30 g with Barclay Holdup at 2.3 l in 200 l.
13-May-96 : T : PHERMONE L1, L2, L3: Nepetalactone placed in the crop.
13-Jun-96 : B : Alto 100 SL at 0.6 l with Mallard 750 EC at 0.4 l in 300 l.
19-Aug-96 : B : Combine harvested.

Previous crops: W. wheat 1994 and 1995.

NOTE: Aphid populations were monitored from June to August.

96/R/WW/10

GRAIN TONNES/HECTARE

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

 PHERMONE

C	8.34
L1	8.17
L2	8.02
L3	8.04

Mean	8.14
------	------

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

 PHERMONE

 0.278

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

Stratum	d.f.	s.e.	cv%
ROW.COL	6	0.393	4.8

GRAIN MEAN DM% 89.2

PLOT AREA HARVESTED 0.00138