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92/R/WW/2 Summer Pyrethroids - W. Wheat

Rothamsted Research

Rothamsted Research (1993) *92/R/WW/2 Summer Pyrethroids - W. Wheat* ; Yields Of The Field Experiments 1992, pp 105 - 106 - DOI: <https://doi.org/10.23637/ERADOC-1-47>

92/R/WW/2

WINTER WHEAT

SUMMER PYRETHROIDS

Object: To assess the effect of a summer application of pyrethroids on populations of non-target beneficial insects and any subsequent consequences on summer aphid populations - Bones Close.

Sponsor: N. Carter.

Design: 4 randomised blocks of 4 plots.

Whole plot dimensions: 9.0 X 15.0.

Treatments:

INSCTCDE	Insecticides applied at GS 61:
NONE	None
DELTFULL	Deltamethrin at full standard rate
DELTHALF	Deltamethrin at half standard rate
DIMETH	Dimethoate

Experimental diary:

14-Aug-91 : B : Straw chopped.
15-Aug-91 : B : PK as (0:16:36) at 1040 kg.
23-Aug-91 : B : Deep tine cultivated with vibrating tines, 60 cm apart and 45 cm deep.
26-Aug-91 : B : Ploughed and rolled.
12-Sep-91 : B : Sting CT at 1.5 l in 200 l.
26-Sep-91 : B : Rotary harrowed twice, Mercia drilled at 160 kg.
28-Oct-91 : B : Stefes IPU at 1.0 l and Stomp 400 at 2.5 l in 200 l.
06-Mar-92 : B : 34.5% N at 120 kg.
02-Apr-92 : B : 34.5% N at 460 kg.
20-May-92 : B : Dorin at 1.0 l and Chiltern Olé at 1.5 l in 200 l.
22-Jun-92 : T : **INSCTCDE** DELTFULL: Decis at 0.25 l in 260 l.
 : T : **INSCTCDE** DELTHALF: Decis at 0.125 l in 260 l.
 : T : **INSCTCDE** DIMETH: Power Dimethoate at 0.84 l in 520 l.
07-Aug-92 : B : Combine harvested.

Previous crops: W. beans 1990, w. barley 1991.

92/R/WW/2

GRAIN TONNES/HECTARE

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

INSCTCDE	
NONE	5.01
DELTFULL	5.38
DELTHALF	5.06
DIMETH	5.41
Mean	5.21

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

INSCTCDE
0.190

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	9	0.269	5.2

GRAIN MEAN DM% 87.4

PLOT AREA HARVESTED 0.00345