

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 1995

[Full Table of Content](#)



95/R/LP/8 Control of Insect Pests - Lupins

Rothamsted Research

Rothamsted Research (1996) *95/R/LP/8 Control of Insect Pests - Lupins* ; Yields Of The Field Experiments 1995, pp 149 - 150 - DOI: <https://doi.org/10.23637/ERADOC-1-50>

95/R/LP/8

LUPINS

CONTROL OF INSECT PESTS

Object: To assess the effect of insect controls on the growth and yield of autumn-sown lupins - Highfield VI.

Sponsors: A.W. Ferguson, I. Shield.

Design: 3 randomised blocks of 8 plots.

Plot dimensions: 3.0 x 9.0.

Treatments:

INSC TCDE	Insecticide applied as seed treatment or spray:
—	None
S	Seed treatment (furathiocarb)
SD	Seed treatment (furathiocarb), deltamethrin in winter and spring
SA	Seed treatment (furathiocarb), pirimicarb as required
SAA	Seed treatment (furathiocarb), pirimicarb with wetting agent, as required
SAS	Seed treatment (furathiocarb), pirimicarb with sticker, as required
SH	Seed treatment (furathiocarb), dimethoate pre-flowering and as required
F	Seed treatment (furathiocarb), deltamethrin, pirimicarb with wetting agent and dimethoate as required

Experimental diary:

29-Jul-94 : B : Deep tine cultivated with vibrating tines 60 cm apart and 45 cm deep. Rolled.

04-Aug-94 : B : Ploughed and furrow pressed. Rolled.

05-Sep-94 : B : Rotary harrowed. CH 304/70 drilled at 40 seeds per m².

06-Sep-94 : B : Opogard 500 SC at 2.8 l in 200 l.

12-Sep-94 : B : Draza at 5.5 kg.

21-Nov-94 : T : INSC TCDE SD, F: Decis at 300 ml in 220 l.

30-Nov-94 : B : Falcon at 1.0 l in 200 l.

13-Mar-95 : B : Atlas Simazine at 2.0 l in 200 l.

04-Apr-95 : T : INSC TCDE SD, F: Decis at 300 ml in 220 l.

12-Apr-95 : B : Cultar at 0.75 l in 200 l.

28-Apr-95 : T : INSC TCDE SA: Pirimicarb 50 DG at 280 g in 220 l.

: T : INSC TCDE SH, F: Atlas Dimethoate 40 at 850 ml in 220 l.

: T : INSC TCDE SAS: Pirimicarb 50 DG at 280 g with Intracrop BLA at 220 ml in 200 l.

: T : INSC TCDE SAA: Pirimicarb 50 DG at 280 g with Vassgro Spreader at 55 ml in 220 l.

31-May-95 : T : INSC TCDE SA: Pirimicarb 50 DG at 280 g in 220 l.

: T : INSC TCDE SAS: Pirimicarb 50 DG at 280 g with Intracrop BLA at 220 ml in 220 l.

96/R/LP/8

Experimental diary:

31-May-95 : T : **INSTCDE** SAA, F: Pirimicarb 50 DG at 280 g with Vassgro
 Spreader at 55 ml in 220 l.
 20-Jun-95 : B : Corbel at 0.5 l with Tilt Turbo 475 EC at 1.0 l in
 200 l.
 18-Aug-95 : B : Combine harvested.

Previous crops: W. wheat 1993, set-aside 1994.

NOTE: Plant samples were taken before and after each insecticide treatment
 to assess damage by bean seed fly and infestation of lupin aphid.
 Establishment counts were made in October 1994.

GRAIN TONNES/HECTARE

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

INSTCDE

—	0.85
S	0.96
SD	0.91
SA	1.54
SAA	1.68
SAS	1.57
SH	0.38
F	1.59
Mean	1.19

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

INSTCDE

0.288

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	14	0.352	29.7

GRAIN MEAN DM% 90.7

PLOT AREA HARVESTED 0.00130