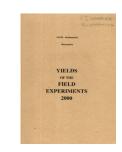
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Yields of the Field Experiments 2000



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00/R/LP/5 Pests and Diseases - Lupins

Rothamsted Research

Rothamsted Research (2001) 00/R/LP/5 Pests and Diseases - Lupins; Yields Of The Field Experiments 2000, pp 173 - 174 - DOI: https://doi.org/10.23637/ERADOC-1-55

00/R/LP/5

LUPINS

PESTS AND DISEASES

Object: To test methods of bean seed fly control and to identify possible causes of blindness - Highfield IV/Road Piece East.

Sponsors: I.F. Shield, G. Bateman, H.J. Stevenson and J.V. Ethridge.

Design: 3 blocks of 10 plots.

Whole plot dimensions: 2.0×9.0 .

Treatments:

PESTCONT	Pest Control:	
SS C CI G1 G2 DC	None Stale seedbed Chlorpyrifos Chlorpyrifos incorporated Imidacloprid low rate seed dressing Imidacloprid high rate seed dressing Deltamethrin 2-4 leaf stage Dimethoate 2-4 leaf stage	
Experimental diam	v:	
	: : Ploughing started.	
14-Aug-99 : B	: : Ploughing completed.	
26-Aug-99 : T	: SS : Rotary harrowed.	
13-Sep-99 : T	: CI : Dursban 4 at 1.5 l in 220 l. Rotary harrowed.	
14-Sep-99 : T	: C : Dursban 4 at 1.5 l in 220 l.	
: B	: Drilled, DTN 20, dressed as treatment at 40 seeds/m ² with the Oyjord drill. Rolled.	
15-Sep-99 : B	: : Draza at 5.0 kg.	
21-Sep-99 : B	: Stomp 400 SC at 5.0 1 in 200 1.	
12-Oct-99 : T	: DC : Decis at 350 ml in 220 l.	
: T	: DM : BASF Dimethoate 40 at 850 ml in 220 l.	
12-Nov-99 : B		
: B	: tm)Carbetamex at 3.0 kg in 200 1.	
28-Apr-00 : B		
	: tm)Folicur at 0.5 1 in 200 1.	
04-Jul-00 : B		
	: tm)Aphox at 280 g in 200 l.	
_	: tm) Enhance Low Foam at 50 ml in 200 1.	
14-Sep-00 : B	: : Combine harvested.	

Previous crops: W. wheat 1998, w. barley 1999.

NOTE: Plant counts were done monthly from emergence to mid-winter and in April. Pest damage was assessed regularly including root damage in November.

00/R/LP/5

GRAIN TONNES/HECTARE

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

PESTCONT

-	3.79
SS	4.09
C	4.14
CI	4.16
G1	3.70
G2	3.70
DC	4.08
DM	4.17
Mean	3.94

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

PESTCONT

0.339 min.rep 0.277 max-min

PESTCONT

min.rep Any of the remainder max-min - v any of the remainder

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

Stratum d.f. s.e. cv%

BLOCK.WP 20 0.415 10.5

GRAIN MEAN DM% 53.0

PLOT AREA HARVESTED 0.00216