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 readible, or you suspect there are some problems, please let us know and we will correct that.



# Yields of the Field Experiments 1997



Full Table of Content

## 97/R/LP/12 Spring-sown Genotypes - Lupins

### **Rothamsted Research**

Rothamsted Research (1998) 97/R/LP/12 Spring-sown Genotypes - Lupins; Yields Of The Field Experiments 1997, pp 149 - 150 - DOI: https://doi.org/10.23637/ERADOC-1-53

#### 97/R/LP/12

#### WINTER LUPINS

#### SPRING-SOWN GENOTYPES

Object: To evaluate some new spring-sown genotypes of lupins - Pastures.

Sponsors: I. Shield, G.J.F. Milford, H.J. Stevenson, J.E. Leach,

T Scott

Design: 3 randomised blocks of 6 plots, plus 2 extra plots.

Whole plot dimensions:  $4.0 \times 7.0$ .

#### Treatments:

1.	VARIETY	Variety and nitrogen:
	73	Ludet
	AG	Agena
	AR	Arthur
	MI	Minori
	73N	Ludet with nitrogen fertilizer
	MIN	Minori with nitrogen fertilizer
2.	EXTRA	

34	DTN	34	
BA	Bard	Bardo	

#### Experimental diary:

```
06-Mar-97 : B : Spring-tine cultivated.
10-Mar-97 : B : Rotary harrowed.
          : T : VARIETY: Varieties drilled at 80 seeds per m2.
11-Mar-97 : B : Stomp 400 SC at 5.0 1 in 200 1.
06-Apr-97 : B : Irrigated 25 mm.
15-Apr-97 : B : Irrigated 14 mm.
30-Apr-97 : B : Decis at 300 ml in 200 1.
04-Jun-97 : B : Logran 20 WG at 18.75 g in 300 1.
16-Jun-97 : B : Laser at 1.0 1 with Comulin at 1.6 1 in 200 1.
17-Jun-97 : T : VARIETY MIN: 46% N at 163 kg.
09-Jul-97 : B : Mistral at 1.0 1 with BASF Dimethoate 40 at 850 ml in
                   300 1.
31-Jul-97 : T : VARIETY 73N: 46% N at 163 kg.
```

EXTRA DTN 34 failed to mature.

22-Oct-97 : B : Combine harvested.

Previous crops: W. oats 1995, w. wheat 1996.

Plant numbers, date of flowering, canopy expansion, crop structure and NOTE: components of yield were measured. Four pre-harvest and harvest samples were taken for dry matter and nitrogen content determinations.

#### 97/R/LP/12

#### GRAIN TONNES/HECTARE

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

VARIETY 73 3.38 AG 2.49 AR 2.60 MI 1.19 3.33 73N MIN 1.98 Mean 2.49 EXTRA

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

0.95

VARIETY 0.309

BA

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

Stratum d.f. s.e. cv% BLOCK.WP 10 0.378 15.2

GRAIN MEAN DM% 77.2

PLOT AREA HARVESTED 0.00168