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## Yields of the Field Experiments 1999

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### 99/R/LP/6 Seed Rates and Sowing Dates - Lupins

#### Rothamsted Research

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99/R/LP/4

GRAIN TONNES/HECTARE

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

GENOTYPE	
01	6.15
02	2.68
03	3.98
04	4.76
05	4.23
06	3.82
07	2.52
08	4.73
09	3.74
10	3.13
11	3.58
12	3.95
13	4.18
14	2.62
Mean	3.86

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

GENOTYPE  
0.576

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	26	0.705	18.3
GRAIN MEAN DM%	72.7		
PLOT AREA HARVESTED	0.00110		

99/R/LP/6

LUPINS

SEED RATES AND SOWING DATES

**Object:** To test a range of plant densities and sowing dates of DTN 20 - Meadow.

**Sponsors:** I.F. Shield, H.J. Stevenson, J.E. Leach, T. Scott.

**Design:** 4 randomised blocks of 2 x 4.

**Plot dimensions:** 9.0 x 9.0.

**Treatments:** All combinations of:-

1. **SOW DATE**

SE Sown early  
SL Sown late

2. **SOW RATE** Seeds per m<sup>2</sup>:

R1 30  
R2 50  
R3 70  
R4 90

**Experimental diary:**

28-Aug-98 : B : : Ploughed  
04-Sep-98 : B : : Flat rolled.  
: T : SE : Combination drilled, DTN 20, untreated, with the Accord  
drill.  
: T : SE : Rolled.  
: T : SE : Spannit at 1.5 l in 200 l.  
14-Sep-98 : T : SL : Combination drilled, DTN 20, untreated, with the Accord  
drill.  
: T : SL : Spannit at 1.5 l in 220 l.  
18-Sep-98 : B : : Hardy at 7.5 kg.  
09-Oct-98 : B : : tm)Laser at 0.5 l in 200 l.  
: B : : tm)Cropoil at 2.0 l in 200 l.  
16-Oct-98 : B : : tm)Stomp 400 SC at 5.0 l in 200 l.  
: B : : tm)Decis at 300 ml in 200 l.  
: B : : Hardy at 7.5 kg.  
27-Jan-99 : B : : Carbetamex at 3.0 kg in 200 l.  
16-Mar-99 : B : : Alpha Simazine 50 SC at 2.3 l in 200 l.  
17-Mar-99 : B : : tm)Folicur at 0.5 l in 200 l.  
: B : : tm)Rovral Flo at 1.0 l in 200 l.  
15-Apr-99 : B : : Lo-Gran 20 WG at 18.75 g in 200 l.  
18-Jun-99 : B : : Alto 240 EC at 0.33 l in 200 l.  
: B : : tm)Aphox at 280 g in 200 l.  
: B : : tm)Enhance at 50 ml in 200 l.  
27-Aug-99 : B : : Combine harvested.

Previous crops: Linseed 1997, w. barley 1998.