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## Yields of the Field Experiments 2000

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### 00/R/LP/4 Genotype Evaluation - Lupins

#### Rothamsted Research

Rothamsted Research (2001) *00/R/LP/4 Genotype Evaluation - Lupins* ; Yields Of The Field Experiments 2000, pp 171 - 172 - DOI: <https://doi.org/10.23637/ERADOC-1-55>

00/R/LP/4

LUPINS

GENOTYPE EVALUATION

**Object:** To test the expression of agronomically useful characters of two new genotypes under UK conditions - Long Hoos VI/VII 3.

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

**Design:** 6 blocks of 2 plots.

**Whole plot dimensions:** 3.0 x 9.0.

**Treatments:**

**GENOTYPE**                      Code number:

20  
108

**Experimental diary:**

12-Sep-99 : B : : Ploughed.  
04-Oct-99 : B : : Rotary harrowed.  
06-Oct-99 : T : 108 : Hand sown at 33 seeds/m<sup>2</sup>.  
          : T : 20 : Hand sown at 50 seeds/m<sup>2</sup>.  
07-Oct-99 : B : : Rolled.  
12-Oct-99 : B : : Stomp 400 SC at 5.0 l in 220 l.  
12-Nov-99 : B : : tm)Alpha Simazine 50 SC at 2.3 l in 200 l.  
          : B : : tm)Carbetamex at 3.0 kg in 200 l.  
13-Mar-00 : B : : Folicur at 1.0 l in 220 l.  
28-Apr-00 : B : : tm)Bravo 500 at 1.5 l in 220 l.  
          : B : : tm)Folicur at 0.5 l in 220 l.  
28-Jun-00 : B : : tm)Aphox at 280 g in 220 l.  
          : B : : tm)Enhance Low Foam at 50 ml in 220 l.  
04-Jul-00 : B : : tm)Folicur at 0.5 l in 200 l.  
          : B : : tm)Aphox at 280 g in 200 l.  
          : B : : tm)Enhance Low Foam at 50 ml in 200 l.  
27-Sep-00 : B : : Combine harvested.

Previous crops: Maize and molasses grass 1998, set-aside 1999.

**NOTE:** Radiation interception measurements were taken weekly. Canopy structure was assessed regularly, pod numbers were counted weekly from flowering to harvest. Components of yield were measured at harvest.

00/R/LP/4

GRAIN TONNES/HECTARE

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

GENOTYPE

20	3.11
108	3.58
Mean	3.35

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

GENOTYPE

0.145

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	4	0.229	6.8
GRAIN MEAN DM%	61.5		
PLOT AREA HARVESTED	0.00206		