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Yields of the Field Experiments 2000

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00/R/LP/4 Genotype Evaluation - Lupins

Rothamsted Research

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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/m².
 : T : 20 : Hand sown at 50 seeds/m².
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		