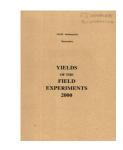
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Yields of the Field Experiments 2000



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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: 3.0×9.0 .

Treatments:

GENOTYPE Code number:

20 108

Experimental diary:

```
: Ploughed.
12-Sep-99 : B :
04-Oct-99 : B :
                     : Rotary harrowed.
06-Oct-99: T: 108: Hand sown at 33 seeds/m2.
          : \mathbf{T} : 20 : Hand sown at 50 seeds/m^2.
                   : Rolled.
07-Oct-99 : B :
12-Oct-99 : B :
                    : Stomp 400 SC at 5.0 1 in 220 1.
12-Nov-99 : B :
                   : tm) Alpha Simazine 50 SC at 2.3 1 in 200 1.
                   : tm)Carbetamex at 3.0 kg in 200 l.
: Folicur at 1.0 l in 220 l.
: tm)Bravo 500 at 1.5 l in 220 l.
          : B :
13-Mar-00 : B :
28-Apr-00 : B :
                    : tm)Folicur at 0.5 1 in 220 1.
          : B:
28-Jun-00 : B :
                    : tm) Aphox at 280 g in 220 1.
          : B:
                    : tm) Enhance Low Foam at 50 ml in 220 1.
04-Jul-00 : B :
                    : tm) Folicur at 0.5 1 in 200 1.
          : B :
                   : tm) Aphox at 280 g in 200 l.
          : B : : tm) Enhance Low Foam at 50 ml in 200 l.
                    : Combine harvested.
27-Sep-00 : B :
```

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

3.11 3.58 20 108

3.35 Mean

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

GENOTYPE

0.145

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

Stratum

d.f.

s.e.

CV8

BLOCK.WP

4 0.229 6.8

GRAIN MEAN DM% 61.5

PLOT AREA HARVESTED 0.00206