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Yields of the Field Experiments 1992

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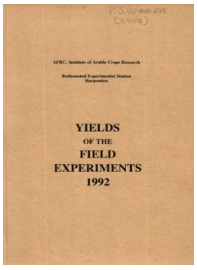

92/W/LP/2 Row Spacing - S. Lupins

Rothamsted Research

Rothamsted Research (1993) *92/W/LP/2 Row Spacing - S. Lupins ;* Yields Of The Field Experiments 1992, pp 148 - 149 **- DOI: https://doi.org/10.23637/ERADOC-1-47**

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92/W/LP/2

SPRING LUPINS

ROW SPACING

Object: To test the effects of plant density on the yield and maturity of two lines of spring-sown Lupinus albus - Woburn, Butt Furlong.

Sponsors: J.M. Day, G.F.J. Milford, J.E. Leach, H.L. Stevenson.

Design: 4 blocks of 2 x 3 plots.

Whole plot dimensions: 2.0 x 5.0.

Treatments: All combinations of:-

1. **GENOTYPE** Line:

   CH 306
   C 342

2. **ROW SPAC** Row width and seed spacing (cm):

12.5+7	12.5 cm between rows, 7 cm within rows
25+7	25 cm between rows, 7 cm within rows
12.5+14	12.5 cm between rows, 14 cm within rows

Experimental diary:

20-Sep-91	B	Ploughed.
21-Sep-91	B	Rolled.
19-Mar-92	B	Rotary cultivated with crumbler attached.
	T	**GENOTYPE** and **ROW SPAC**: Seed drilled.
01-Apr-92	B	Opogard 500 FW at 1.6 l in 200 l.
15-Jun-92	B	Hand weeded.
20-Jul-92	B	Aphox at 0.28 kg with Vassgro Spreader at 0.45 l in 300 l.
08-Sep-92	B	Combine harvested.

Previous crops: Potatoes 1990, s. barley 1991.

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92/W/LP/2

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

ROW SPAC	12.5+7	25+7	12.5+14	Mean
GENOTYPE				
CH 306	0.11	0.09	0.05	0.08
C 342	0.07	0.06	0.06	0.07
Mean	0.09	0.07	0.06	0.07

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

GENOTYPE	**ROW SPAC**	**GENOTYPE ROW SPAC**
0.017	0.021	0.030

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	15	0.042	57.7

GRAIN MEAN DM% 75.8

PLOT AREA HARVESTED 0.00100

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