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99/R/LP/7 Yellow Lupins - Lupins

Rothamsted Research

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99/R/LP/6

GRAIN TONNES/HECTARE

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

	R1	R2	R3	R4	Mean
SOW RATE					
SOW DATE					
SE	2.83	2.15	1.97	1.78	2.18
SL	3.58	3.03	2.63	2.43	2.92
Mean	3.20	2.59	2.30	2.11	2.55

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

SOW DATE	SOW RATE	SOW DATE
		SOW RATE
0.076	0.108	0.152

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	21	0.216	8.5

GRAIN MEAN DM% 73.5

PLOT AREA HARVESTED 0.00207

99/R/LP/7

LUPINS

YELLOW LUPINS

Object: To study the effects of sowing date and seed rate upon maturity date and seed yield of yellow lupin - Bones Close.

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

Design: 3 randomised blocks of 3 x 3 plots.

Whole plot dimensions: 3.0 x 9.0.

Treatments: All combinations of:-

1. SOW DATE

E	Sown early
M	Sown middle
L	Sown late

2. SEED RATE Seeds per m²:

S1	70
S2	90
S3	110

Experimental diary:

29-Aug-98	:	:	:	Ploughed and furrow pressed, started.
30-Aug-98	:	:	:	Ploughed and furrow pressed, completed.
12-Mar-99	:	B	:	tm)PDQ at 3.0 l in 200 l.
	:	B	:	tm)Sprayprover at 3.0 l in 200 l.
19-Mar-99	:	B	:	Rotary harrowed twice.
	:	T	:	E : Combination drilled, Wodjil, undressed, with the Accord drill.
07-Apr-99	:	T	:	M : Combination drilled, Wodjil, undressed, with the Accord drill.
23-Apr-99	:	T	:	M : Alpha Simazine 50 SC at 2.0 l in 220 l.
27-Apr-99	:	T	:	L : Combination drilled, Wodjil, undressed, with the Accord drill.
14-Jun-99	:	B	:	: Unite A at 0.2 l in 220 l.
18-Jun-99	:	B	:	: Aphox at 280 g in 220 l.
06-Aug-99	:	T	:	E : tm)Reglone at 3.0 l in 400 l.
	:	T	:	E : tm)Enhance at 400 ml in 400 l.
16-Aug-99	:	T	:	M : tm)Enhance at 400 ml in 400 l.
	:	T	:	M : tm)Reglone at 3.0 l in 400 l.
26-Aug-99	:	T	:	E,M : Combine harvested.
31-Aug-99	:	T	:	L : tm)Enhance at 400 ml in 400 l.
	:	T	:	L : tm)Reglone at 3.0 l in 400 l.
13-Sep-99	:	T	:	L : Combine harvested.

Previous crops: W. rape 1997, w. rye, s. wheat and w. wheat 1998.