

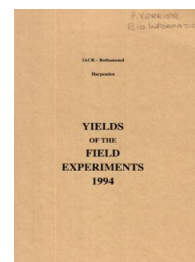
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94/R/L/P/9 Sowing Dates of Spring Lupins - S. Lupins

Rothamsted Research

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94/R/LP/9

SPRING LUPINS

SOWING DATES OF SPRING LUPINS

Object: To observe the development of a variety of lupin sown on three dates in spring. To measure the physiological development and yield, and to relate these to sowing date and period of vernalisation - Long Hoos IV 3.

Sponsors: G.F.J. Milford, I. Shield.

Design: 5 randomised blocks of 3 plots.

Whole plot dimensions: 2.88 x 9.0.

Treatments:

SOW DATE Date of sowing:

E Early 7 March, 1994

M Middle 14 March

L Late 29 March

Experimental diary:

01-Nov-93 : B : Sting CT at 4.0 l in 200 l.

04-Nov-93 : B : Ploughed.

07-Mar-94 : T : **SOW DATE** E: Rotary harrowed, CH304/73 drilled at 60 seeds per m².

10-Mar-94 : T : **SOW DATE** E: Opogard 500 SC at 2.8 l in 220 l.

14-Mar-94 : T : **SOW DATE** M: Rotary harrowed, CH304/73 drilled at 60 seeds per m².

18-Mar-94 : T : **SOW DATE** M: Opogard 500 SC at 2.8 l in 220 l.

29-Mar-94 : T : **SOW DATE** L: Rotary harrowed, CH304/73 drilled at 60 seeds per m².

12-Apr-94 : T : **SOW DATE** L: Opogard 500 SC at 2.8 l in 220 l.

29-Sep-94 : T : **SOW DATE** E: Hand harvested.

10-Oct-94 : T : **SOW DATE** M: Hand harvested.

01-Nov-94 : T : **SOW DATE** L: Hand harvested.

Previous crops: Fallow 1992, w. rape and shepherd's purse 1993.

NOTES: (1) Plant populations were assessed at emergence and in June, leaf primordia were counted in late spring. Leaves, branches and florets were counted in July and at harvest components of yield were assessed.

(2) The yield of one plot was lost during harvesting, with treatment E. An estimated value was used in the analysis

94/R/LP/9

GRAIN TONNES/HECTARE

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

SOW DATE

E	2.26
M	2.52
L	1.52

Mean	2.10
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*** Standard errors of differences of means ***

SOW DATE

0.154

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	7	0.243	11.6

GRAIN MEAN DM% 80.0

PLOT AREA HARVESTED 0.00171