

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1988

[Full Table of Content](#)



88/R/LP/1 Varieties, Sowing Dates and Seed Dressings - W. Lupins

Rothamsted Research

Rothamsted Research (1989) *88/R/LP/1 Varieties, Sowing Dates and Seed Dressings - W. Lupins* ; Yields Of The Field Experiments 1988, pp 204 - 205 - DOI:

<https://doi.org/10.23637/ERADOC-1-43>

88/R/LP/1

WINTER LUPINS

VARIETIES, SOWING DATES AND SEED DRESSINGS

Object: To compare three varieties of lupin (*Lupinus albus*) sown at two sowing dates with and without a seed dressing - Long Hoos V 6.

Sponsors: J. McEwen, H.L. Jones, D.P. Yeoman, A.W. Ferguson, J.F. Jenkyn.

Design: 2 randomised blocks of 12 plots.

Whole plot dimensions: 1.8 x 9.0.

Treatments: All combinations of:-

Whole plots

- | | |
|--------------------|---|
| 1. VARIETY | Varieties: |
| LUCKY | Lucky |
| VLADIMIR | Vladimir |
| 2. SOW DATE | Dates of sowing: |
| 26 OCT | 26 October, 1987 |
| 3 DEC | 3 December |
| 3. SEEDRESS | Seed dressing: |
| NONE | None |
| FO+CA+TH | Fosetyl-aluminium, captan and thiabendazole |

plus three extra treatments

- | | |
|-----------------|--|
| C8 EXTRA | All variety C8: |
| C8FSE | Sown 26 Oct seed dressed with fosetyl-aluminium, captan and thiabendazole (duplicated) |
| C8FSL | Sown 3 Dec seed dressed with fosetyl-aluminium, captan and thiabendazole |
| C8SL | Sown 3 Dec, no seed dressing |

Basal applications: Manures: (0:18:36) at 1040 kg. Chalk at 2.9 t. Weedkillers: Paraquat at 0.80 kg ion in 220 l. Monolinuron at 0.46 kg and paraquat at 0.33 kg ion in 220 l. Fungicides: Benomyl at 0.50 kg in 220 l applied with the deltamethrin. Chlorothalonil at 1.0 kg with benomyl at 0.50 kg in 220 l applied with the pirimicarb. Insecticides: Deltamethrin at 0.075 kg. Pirimicarb at 0.14 kg.

Seed: Sown at 200 kg.

88/R/LP/1

Cultivations, etc: PK applied: 30 Sept, 1987. Chalk applied: 2 Oct.
 Paraquat applied: 5 Oct. Monolinuron and paraquat applied after each sowing: 30 Oct, 8 Dec respectively. Benomyl and deltamethrin applied: 25 May, 1988. Chlorothalonil, benomyl and pirimicarb applied: 18 July. Combine harvested VLADIMIR: 14 Oct. Hand harvested LUCKY: 19 Oct. Stationary threshed LUCKY: 27 Oct. Hand harvested C8: 9 and 12 Dec. Stationary threshed C8: 12 and 13 Dec. Previous crops: Lupins 1986, fallow 1987.

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

SEEDRESS	NONE	FO+CA+TH	Mean
VARIETY			
LUCKY	0.89	0.73	0.81
VLADIMIR	0.05	0.03	0.04
Mean	0.47	0.38	0.42

SOW DATE	26 OCT	3 DEC	Mean
VARIETY			
LUCKY	1.16	0.46	0.81
VLADIMIR	0.06	0.02	0.04
Mean	0.61	0.24	0.42

SOW DATE	26 OCT	3 DEC	Mean
SEEDRESS			
NONE	0.67	0.27	0.47
FO+CA+TH	0.55	0.21	0.38
Mean	0.61	0.24	0.42

VARIETY	SEEDRESS	26 OCT	3 DEC
LUCKY	NONE	1.27	0.51
	FO+CA+TH	1.05	0.41
VLADIMIR	NONE	0.07	0.03
	FO+CA+TH	0.06	0.00

C8 EXTRA	C8FSE	C8FSL	C8SL	Mean
	2.12	1.98	2.18	2.10

GRAND MEAN 0.98

MEAN DM% 60.0

PLOT AREA HARVESTED C8 EXTRA 0.00065

PLOT AREA HARVESTED OTHER VARIETIES 0.00162