

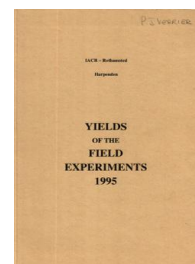
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1995

[Full Table of Content](#)



95/R/LP/9 Canopy Structure and Yield - Lupins

Rothamsted Research

Rothamsted Research (1996) *95/R/LP/9 Canopy Structure and Yield - Lupins* ; Yields Of The Field Experiments 1995, pp 151 - 152 - DOI: <https://doi.org/10.23637/ERADOC-1-50>

95/R/LP/9

LUPINS

CANOPY STRUCTURE AND YIELD

Object: To assess the effects of canopy structure and leaf and pod photosynthesis on the dry matter production and yield of two lupin lines - Highfield VI.

Sponsors: J.E. Leach, T. Scott.

Design: 4 randomised blocks of 2 plots (duplicated).

Plot dimensions: 2.88 x 10.0.

Treatments:

VARIETY

70	CH304/70
73	CH304/73

Experimental diary:

29-Jul-94 : B : Deep tine cultivated with vibrating tines 60 cm apart and 45 cm deep. Rolled.
04-Aug-94 : B : Ploughed and furrow pressed. Rolled.
05-Sep-94 : T : **VARIETY** 70, 73: Rotary harrowed, varieties drilled at 40 seeds per m².
06-Sep-94 : B : Opogard 500 SC at 2.8 l in 220 l.
12-Sep-94 : B : Draza at 5.5 kg.
30-Nov-94 : B : Falcon at 1.0 l in 200 l.
16-Dec-94 : B : Farmon PDQ at 15.0 l in 900 l, inter-row sprayed using dribble bar.
19-Jan-95 : B : Hand weeded.
30-Jan-95 : B : Hand weeded.
13-Mar-95 : B : Atlas Simazine at 2.0 l in 200 l.
12-Apr-95 : B : Cultar at 0.75 l in 200 l.
23-May-95 : B : Atlas Dimethoate 40 at 850 ml in 200 l.
20-Jun-95 : B : Corbel at 0.5 l with Tilt Turbo 475 EC at 1.0 l in 200 l.
30-Jun-95 : B : Atlas Dimethoate 40 at 850 ml in 200 l.
17-Aug-95 : B : Hand harvested.

Previous crops: W. wheat 1993, set-aside 1994.

NOTE: Radiation interception was measured weekly from spring to the start of maturity. Dry matter, photosynthesis and canopy structure was measured fortnightly from spring till harvest.

95/R/LP/9

GRAIN TONNES/HECTARE

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

VARIETY	70	73	Mean
	1.58	3.21	2.39

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

VARIETY
0.455

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	11	0.910	38.0

GRAIN MEAN DM% not measured

PLOT AREA HARVESTED 0.00011