

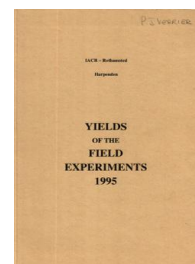
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## Yields of the Field Experiments 1995

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### 95/R/LN/1 Weed Types in Linseed - Linseed

#### Rothamsted Research

Rothamsted Research (1996) *95/R/LN/1 Weed Types in Linseed - Linseed* ; Yields Of The Field Experiments 1995, pp 156 - 157 - DOI: <https://doi.org/10.23637/ERADOC-1-50>

95/R/LN/1

**LINSEED**

**WEED TYPES IN LINSEED**

**Object:** To study the effects of three weed species on the growth and yield of linseed - Hoosfield Old 4-course.

**Sponsor:** P.J.W. Lutman.

**Design:** 3 blocks of 15 plots.

**Plot dimensions:** 3.0 x 10.0.

**Treatments:**

<b>SPECDEN</b>	Weed species and density (average number of established plants per m <sup>2</sup> ):
0	None (triplicated)
C1	Cultivated oats ( <i>Avena sativa</i> cv. Dula), 10.7
C2	Cultivated oats, 30.7
C3	Cultivated oats, 86.1
C4	Cultivated oats, 174.0
K1	Knotgrass ( <i>Polygonum aviculare</i> ), 20.3
K2	Knotgrass, 47.2
K3	Knotgrass, 74.4
K4	Knotgrass, 145.0
F1	Fat hen ( <i>Chenopodium album</i> ), 0
F2	Fat hen, 0
F3	Fat hen, 0
F4	Fat hen, 23.3

- NOTES:** (1) Target weed sowing rates and densities were as follows:  
Cultivated oats (seeds per m<sup>2</sup>): C1 20, C2 60, C3 180 and C4 360.  
Knotgrass (plants per m<sup>2</sup>): K1 20, K2 80, K3 180 and K4 320.  
Fat hen (plants per m<sup>2</sup>): F1 40, F2 80, F3 160 and F4 320.
- (2) Weeds on plots with treatments F1, F2, F3 failed to establish. These plots have been omitted from the analysis.

**Experimental diary:**

- 06-Sep-94 : B : PK as (0:20:32) at 1317 kg.  
07-Sep-94 : B : Dolomite at 5.0 t.  
16-Dec-94 : B : Ploughed.  
19-Apr-95 : B : Heavy spring-tine cultivated. Rotary harrowed.  
20-Apr-95 : **T** : **SPECDEN** C1, C2, C3, C4: Dula, dressed Rappor, drilled.  
          : **T** : **SPECDEN** K1, K2, K3, K4: Knotgrass broadcast.  
          : **T** : **SPECDEN** F1, F2, F3, F4: Fat hen broadcast.  
          : B : Rotary harrowed, Antares, dressed Prelude 20 LF, drilled  
          at 700 seeds per m<sup>2</sup>.

95/R/LN/1

**Experimental diary:**

21-Apr-95 : B : Rolled.  
04-May-95 : B : Part irrigated, 25 mm.  
05-May-95 : B : Part irrigated, 25 mm.  
10-May-95 : B : Decis at 200 ml in 300 l.  
11-May-95 : B : 34.5% N at 232 kg.  
15-Aug-95 : B : Standon Diquat at 3.0 l with Vassgro Spreader at 400 ml  
in 400 l.  
22-Aug-95 : B : Hand harvested.

Previous crops: W. oats 1993, w. wheat 1994.

**NOTE:** Crop and weed densities were assessed in May. Crop and weeds were sampled in June and August to measure dry matter.

**GRAIN (AT 90% DRY MATTER) TONNES/HECTARE**

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

SPECDEN	
0	1.11
C1	0.91
C2	0.59
C3	0.29
C4	0.18
K1	0.89
K2	0.77
K3	0.61
K4	0.58
F4	0.98
Mean	0.76

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

SPECDEN	
0.125	min.rep
0.102	max-min

**SPECDEN**  
max-min 0 v any of the remainder  
min.rep Any of the remainder

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	24	0.154	20.1
GRAIN MEAN DM%	not measured		
PLOT AREA HARVESTED	0.00020		