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## Yields of the Field Experiments 1992

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### 92/R/LN1 Varieties and Disease - Linseed

#### Rothamsted Research

Rothamsted Research (1993) *92/R/LN1 Varieties and Disease - Linseed* ; Yields Of The Field Experiments 1992, pp 155 - 156 - DOI: <https://doi.org/10.23637/ERADOC-1-47>

92/R/LN/1

LINSEED

VARIETIES AND DISEASE

**Object:** To investigate the effects of pathogens on varieties of linseed - White Horse II.

**Sponsors:** B.D.L. Fitt, J. Harold.

**Design:** 4 randomised blocks of 10 plots.

**Whole plot dimensions:** 3.0 x 15.0.

**Treatments:** All combinations of:-

1. **VARIETY** Varieties:

ANTARES  
BARBARA  
MCGREGOR  
NORLIN  
CD 1747

2. **FUNGICIDE** Fungicides:

NONE None  
APPLIED Prochloraz seed dressing, iprodione during flowering,  
prochloraz and carbendazim plus maneb post-  
flowering

**Experimental diary:**

16-Oct-91 : B : Straw burnt.  
28-Nov-91 : B : Farmyard manure at 10 t.  
04-Dec-91 : B : Ploughed.  
18-Mar-92 : B : PK as (0:18:36) at 940 kg.  
10-Apr-92 : B : 34.5% N at 220 kg.  
11-Apr-92 : B : Spring-tine cultivated.  
21-Apr-92 : T : **VARIETY:** All varieties drilled at 550 seeds per square  
metre.  
: T : **FUNGICIDE APPLIED:** Seed, dressed Prelude 20LF, drilled.  
22-Apr-92 : B : Rolled.  
02-Jun-92 : B : Basagran at 2.0 l and Vindex at 1.0 l in 200 l.  
24-Jun-92 : T : **FUNGICIDE APPLIED:** Rovral Flo at 2.0 l in 200 l.  
08-Jul-92 : T : **FUNGICIDE APPLIED:** Sportak 45 at 0.90 l in 200 l.  
23-Jul-92 : T : **FUNGICIDE APPLIED:** Delsene M Flowable at 5.0 l in 200 l.  
05-Sep-92 : B : Challenge at 3.0 l in 400 l.  
29-Sep-92 : B : Combine harvested.

Previous crops: W. wheat 1990, linseed 1991.

**NOTE:** Emergence counts were made in spring. Samples were taken fortnightly from June to September for disease assessment. Oil content of the grain was measured.

92/R/LN/1

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

FUNGCIDE VARIETY	NONE	APPLIED	Mean
ANTARES	2.41	2.55	2.48
BARBARA	1.74	2.12	1.93
MCGREGOR	2.31	2.42	2.36
NORLIN	2.01	2.30	2.16
CD 1747	2.15	2.32	2.23
Mean	2.12	2.34	2.23

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

VARIETY	FUNGCIDE	VARIETY FUNGCIDE
0.087	0.055	0.123

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	27	0.174	7.8
GRAIN MEAN DM%	88.7		
PLOT AREA HARVESTED	0.00276		