

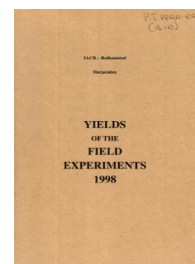
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## Yields of the Field Experiments 1998

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### 98/R/LN/1 Winter Linseed Diseases - Linseed

#### Rothamsted Research

Rothamsted Research (1999) *98/R/LN/1 Winter Linseed Diseases - Linseed* ; Yields Of The Field Experiments 1998, pp 153 - 154 - DOI: <https://doi.org/10.23637/ERADOC-1-52>

98/R/LN/1

LINSEED

WINTER LINSEED DISEASES

**Object:** To assess the effects of diseases on the growth and yield of winter linseed by using fungicides to control them - Drapers.

**Sponsors:** B.D.L. Fitt.

**Design:** 3 blocks of 8 plots.

**Plot dimensions:** 3.0 x 15.0.

**Treatments:**

FUNGTIME	Fungicides and timing:
-	None
AF	Tebuconazole in autumn
BM	Benomyl mid-flowering
BMC	Benomyl mid-flowering and at capsule development
AM	Iprodione mid-flowering
AMC	Iprodione mid-flowering and at capsule development
CM	Iprodione with thiophanate-methyl mid flowering
CMC	Iprodione with thiophanate-methyl mid flowering and at capsule development

**Experimental diary:**

10-Sep-97 : B : PK as (0:20:32) at 1250 kg.  
18-Sep-97 : B : Ploughed and rolled.  
30-Sep-97 : B : Rotary harrowed, Oliver, dressed Prelude 20 LF, drilled at 950 seeds per m<sup>2</sup>.  
26-Nov-97 : T : FUNGTIME AF: Folicur at 0.5 l in 220 l.  
19-Feb-98 : B : Laser at 0.75 l with Chiltern Cropoil at 1.0 l in 100 l.  
16-Mar-98 : B : Ally at 30 g in 200 l.  
20-Mar-98 : B : 34.5% N at 150 kg.  
22-Apr-98 : B : Eagle at 30 g in 200 l.  
27-Apr-98 : B : BASF Dimethoate 40 at 850 ml in 200 l.  
29-May-98 : T : FUNGTIME BM, BMC: Benlate Fungicide at 1.1 kg in 220 l.  
                  : T : FUNGTIME CM, CMC: Compass at 3.0 l in 220 l.  
                  : T : FUNGTIME AM, AMC: Rovral Flo at 2.0 l in 220 l.  
25-Jun-98 : T : FUNGTIME BMC: Benlate Fungicide at 1.1 kg in 220 l.  
                  : T : FUNGTIME CMC: Compass at 3.0 l in 220 l.  
                  : T : FUNGTIME AMC: Rovral Flo at 2.0 l in 220 l.  
25-Jul-98 : B : Reglone at 3.0 l with Headland Enhance LF at 400 ml in 200 l.  
05-Aug-98 : B : Combine harvested.

Previous crops: W. and s. beans 1996, s. wheat 1997.

98/R/LN/1

**NOTE:** Disease assessments were made on eleven occasions through the growing season. At harvest thousand grain weights were measured and fungal pathogens on seeds were assessed.

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

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

**FUNGTIME**

-	0.53
AF	0.70
BM	1.32
BMC	1.17
AM	0.85
AMC	0.56
CM	1.08
CMC	1.20

Mean 0.93

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

**FUNGTIME**

0.088

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	14	0.108	11.6
GRAIN MEAN DM%	89.5		
PLOT AREA HARVESTED	0.00276		