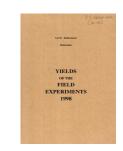
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# Yields of the Field Experiments 1998



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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 m2.
26-Nov-97 : T : FUNGTIME AF: Folicur at 0.5 1 in 220 1.
19-Feb-98 : B : Laser at 0.75 1 with Chiltern Cropoil at 1.0 1 in 100 1.
16-Mar-98 : B : Ally at 30 g in 200 1.
20-Mar-98 : B : 34.5% N at 150 kg.
22-Apr-98 : B : Eagle at 30 g in 200 1.
27-Apr-98 : B : BASF Dimethoate 40 at 850 ml in 200 1.
29-May-98: T: FUNGTIME BM, BMC: Benlate Fungicide at 1.1 kg in 220 1.
          : T : FUNGTIME CM, CMC: Compass at 3.0 1 in 220 1.
          : T : FUNGTIME AM, AMC: Rovral Flo at 2.0 1 in 220 1.
25-Jun-98 : T : FUNGTIME BMC: Benlate Fungicide at 1.1 kg in 220 1.
          : T : FUNGTIME CMC: Compass at 3.0 1 in 220 1.
          : T : FUNGTIME AMC: Rovral Flo at 2.0 1 in 220 1.
25-Jul-98 : B : Reglone at 3.0 1 with Headland Enhance LF at 400 ml in
                    200 1.
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