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## Yields of the Field Experiments 1992

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### 92/R/CS/392 *Alternaria* and Fungicides - Linseed

#### Rothamsted Research

Rothamsted Research (1993) *92/R/CS/392 Alternaria and Fungicides - Linseed* ; Yields Of The Field Experiments 1992, pp 100 - 101 - DOI: <https://doi.org/10.23637/ERADOC-1-47>

92/R/CS/392

**ALTERNARIA & FUNGICIDES**

**Object:** To study the epidemiology and changes in the population of *Alternaria linicola* under different fungicide treatments - Long Hoos IV 4.

**Sponsors:** I. Vloutoglou, B.D.L. Fitt.

The first year, linseed.

**Design:** 5 randomised blocks of 4 plots.

**Whole plot dimensions:** 3.0 x 10.0.

**Treatments:**

<b>FUNGICIDE</b>	Fungicides:
NONE	None
IPRODION	Iprodione
CHLORLOR	Chlorothalonil
PROCHLOR	Prochloraz

**Experimental diary:**

14-Apr-92 : B : Heavy spring-tine cultivated.  
21-Apr-92 : B : Rotary harrowed.  
21-Apr-92 : B : Rotary harrowed. Antares, undressed, drilled at 50 kg.  
23-Apr-92 : B : Rolled.  
13-May-92 : B : 34.5% N at 220 kg.  
02-Jun-92 : B : Basagran at 2.0 l and Vindex at 1.0 l in 200 l.  
18-Jun-92 : B : Irrigation: 8 mm applied.  
24-Jun-92 : T : **FUNGICIDE** IPRODION: Rovral Flo at 1.0 l in 220 l.  
                  : T : **FUNGICIDE** CHLORLOR: Chiltern Chlorothalonil 500 at 0.50 l  
  in 220 l.  
                  : T : **FUNGICIDE** PROCHLOR: Sportak 45 at 0.35 l in 220 l.  
26-Jun-92 : B : Irrigation: 12mm applied.  
29-Jun-92 : B : Irrigation: 12mm applied.  
08-Jul-92 : T : **FUNGICIDE**: All applications as 24-Jun-92.  
22-Jul-92 : T : **FUNGICIDE**: All applications as 24-Jun-92.  
28-Jul-92 : B : Irrigation: 12mm applied.  
06-Aug-92 : T : **FUNGICIDE**: All applications as 24-Jun-92.  
19-Aug-92 : T : **FUNGICIDE**: All applications as 24-Jun-92.  
10-Sep-92 : T : **FUNGICIDE**: All applications as 24-Jun-92.  
16-Sep-92 : B : Roundup at 3.0 l in 200 l.  
17-Sep-92 : B : Combine harvested.

Previous crops: W. wheat 1990, linseed 1991.

**NOTE:** Plant samples were taken at fortnightly intervals from mid-June until mid-September for assessment of infection by *Alternaria linicola*.

92/R/CS/392

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

FUNGICIDE	
NONE	0.96
IPRODION	0.93
CHLORLOR	1.06
PROCHLOR	1.18
Mean	1.03

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

FUNGICIDE
0.086

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	12	0.136	13.2

GRAIN MEAN DM% 86.0

PLOT AREA HARVESTED 0.00230