

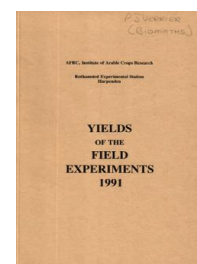
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## Yields of the Field Experiments 1991

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### 91/R/LN/2 Fungicides and Disease Resistance - Linseed

#### Rothamsted Research

Rothamsted Research (1992) *91/R/LN/2 Fungicides and Disease Resistance - Linseed* ; Yields Of The Field Experiments 1991, pp 165 - 166 - DOI: <https://doi.org/10.23637/ERADOC-1-46>

91/R/LN/2

LINSEED

**FUNGICIDES AND DISEASE RESISTANCE**

**Object:** To study the effects of different fungicides on the pathogens and yield of linseed - Long Hoos IV 4.

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

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

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

**Treatments:**

FUNGCIDE	Fungicides:
NONE	None
BENOMYL	Benomyl at 0.14 kg
IPRODION	Iprodione at 0.25 kg
PROCHLOR	Prochloraz at 0.16 kg

**NOTE:** Fungicides were applied in 220 l on 20 June, 1991, 10 and 23 July, 7 and 27 Aug.

**Basal applications:** Manure: 'Nitram' at 220 kg. Weedkillers: Bentazone at 0.96 kg with bromoxynil at 0.24 kg and clopyralid at 0.05 kg in 200 l. Desiccant: Diquat at 0.60 kg ion with wetting agent, 'Vassgro' at 0.4 l, in 400 l.

**Seed:** Antares undressed, sown at 600 seeds per square metre.

**Cultivations, etc.:-** Ploughed: 4 Sept, 1990. N applied: 9 Apr, 1991. Rotary harrowed, seed sown, rolled: 10 Apr. Weedkillers applied: 6 June. Desiccant with wetting agent applied: 2 Sept. Combine harvested: 11 Oct. Previous crops: S. barley 1989, w. wheat 1990.

**NOTE:** Foliar diseases were assessed throughout the growing season.

91/R/LN/2

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

FUNGICIDE	
NONE	2.24
BENOMYL	2.59
IPRODION	2.50
PROCHLOR	2.67
Mean	2.50

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

FUNGICIDE  
0.082

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	12	0.129	5.2
GRAIN MEAN DM%	87.1		
PLOT AREA HARVESTED	0.00230		