

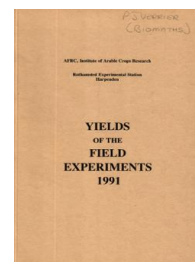
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1991

[Full Table of Content](#)



91/R/LN/1 Varieties and Fungicides - Linseed

Rothamsted Research

Rothamsted Research (1992) *91/R/LN/1 Varieties and Fungicides - Linseed* ; Yields Of The Field Experiments 1991, pp 163 - 164 - DOI: <https://doi.org/10.23637/ERADOC-1-46>

91/R/LN/1

LINSEED

VARIETIES AND FUNGICIDES

Object: To study the effects of fungicides on the incidence of diseases and on the yield of four varieties - Long Hoos I/II.

Sponsors: B.D.L. Fitt, H. Davies.

Design: 4 randomised blocks of 8 plots.

Whole plot dimensions: 3.0 x 15.0.

Treatments: All combinations of:-

1. **VARIETY** Varieties:

ANTARES	Antares
BARBARA	Barbara
NORLIN	Norlin
MCGREGOR	McGregor

2. **FUNGICIDE** Fungicides:

NONE	None
PR+IP+CM	Prochloraz (as seed dressing) at 0.40 g/kg seed Prochloraz at 0.32 kg in 200 l on 2 July, 1991 Iprodione at 0.50 kg in 200 l on 22 July Carbendazim at 0.25 kg and maneb at 1.6 kg in 220 l on 1 Aug

Basal applications: Manure: 'Nitram' at 220 kg. Weedkillers: Bromoxynil at 0.24 kg and clopyralid at 0.05 kg with bentazone at 0.96 kg in 200 l. Desiccant: Diquat at 0.60 kg ion with a wetting agent, 'Vassgro' at 0.40 l, in 400 l.

Seed: Varieties, sown at 600 seeds per square metre.

Cultivations, etc.:- Ploughed: 31 Oct, 1990. N applied: 9 Apr, 1991. Spring-tine cultivated, rotary harrowed, seed sown: 10 Apr. Weedkillers applied: 6 June. Desiccant with wetting agent applied: 2 Sept. Combine harvested: 10 Oct. Previous crops: Potatoes 1989, linseed 1990.

NOTE: The incidence of diseases was assessed regularly during the season. Oil content of harvested seed was measured.

91/R/LN/1

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

FUNGCIDE VARIETY	NONE	PR+IP+CM	Mean
ANTARES	2.22	2.43	2.32
BARBARA	2.43	2.37	2.40
NORLIN	1.50	1.85	1.67
MCGREGOR	1.67	2.13	1.90
Mean	1.95	2.19	2.07

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

VARIETY	FUNGCIDE	VARIETY FUNGCIDE
0.126	0.089	0.179

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	21	0.253	12.2

GRAIN MEAN DM% 85.7

PLOT AREA HARVESTED 0.00276