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Yields of the Field Experiments 1992

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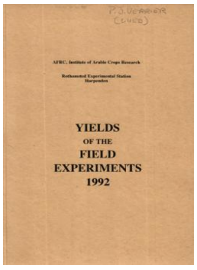

92/R/LN1 Varieties and Disease - Linseed

Rothamsted Research

Rothamsted Research (1993) *92/R/LN1 Varieties and Disease - Linseed ;* Yields Of The Field Experiments 1992, pp 155 - 156 **- DOI: https://doi.org/10.23637/ERADOC-1-47**

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92/R/LN/1

LINSEED

VARIETIES AND DISEASE

Object: To investigate the effects of pathogens on varieties of linseed - White Horse II.

Sponsors: B.D.L. Fitt, J. Harold.

Design: 4 randomised blocks of 10 plots.

Whole plot dimensions: 3.0 x 15.0.

Treatments: All combinations of:-

1. **VARIETY** Varieties:

   ANTARES
   BARBARA
   MCGREGOR
   NORLIN
   CD 1747

2. **FUNGCIDE** Fungicides:

   NONE None
   APPLIED Prochloraz seed dressing, iprodione during flowering, prochloraz and carbendazim plus maneb post-flowering

Experimental diary:

16-Oct-91 : B : Straw burnt.
28-Nov-91 : B : Farmyard manure at 10 t.
04-Dec-91 : B : Ploughed.
18-Mar-92 : B : PK as (0:18:36) at 940 kg.
10-Apr-92 : B : 34.5% N at 220 kg.
11-Apr-92 : B : Spring-tine cultivated.
21-Apr-92 : **T** : **VARIETY**: All varieties drilled at 550 seeds per square metre.
: **T** : **FUNGCIDE** APPLIED: Seed, dressed Prelude 20LF, drilled.
22-Apr-92 : B : Rolled.
02-Jun-92 : B : Basagran at 2.0 l and Vindex at 1.0 l in 200 l.
24-Jun-92 : **T** : **FUNGCIDE** APPLIED: Rovral Flo at 2.0 l in 200 l.
08-Jul-92 : **T** : **FUNGCIDE** APPLIED: Sportak 45 at 0.90 l in 200 l.
23-Jul-92 : **T** : **FUNGCIDE** APPLIED: Delsene M Flowable at 5.0 l in 200 l.
05-Sep-92 : B : Challenge at 3.0 l in 400 l.
29-Sep-92 : B : Combine harvested.

Previous crops: W. wheat 1990, linseed 1991.

NOTE: Emergence counts were made in spring. Samples were taken fortnightly from June to September for disease assessment. Oil content of the grain was measured.

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92/R/LN/1

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

FUNGCIDE	NONE	APPLIED	Mean
VARIETY			
ANTARES	2.41	2.55	2.48
BARBARA	1.74	2.12	1.93
MCGREGOR	2.31	2.42	2.36
NORLIN	2.01	2.30	2.16
CD 1747	2.15	2.32	2.23
Mean	2.12	2.34	2.23

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

VARIETY	FUNGCIDE	VARIETY FUNGCIDE
0.087	0.055	0.123

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	27	0.174	7.8

GRAIN MEAN DM% 88.7

PLOT AREA HARVESTED 0.00276

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