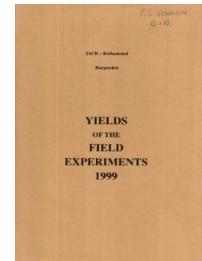


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Yields of the Field Experiments 1999

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99/R/LNS/1 Fungicides and Spring Linseed - Linseed

Rothamsted Research

Rothamsted Research (2000) *99/R/LNS/1 Fungicides and Spring Linseed - Linseed* ; Yields Of The Field Experiments 1999, pp 149 - 151 - DOI: <https://doi.org/10.23637/ERADOC-1-34>

99/R/LNW/2

CLEAN GRAIN TONNES/HECTARE (WEED SEED REMOVED)

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

WEEDSPEC	WEEDDENS	TIMEWEED	WEEDSPEC WEEDDENS
0.082	0.116	0.082	0.164
WEEDSPEC	WEEDDENS	WEEDSPEC	WEEDDENS
TIMEWEED	TIMEWEED	WEEDDENS	TIMEWEED
0.116	0.164	0.231	

S.e.d. for comparing NO with any item in the WEEDSPEC.WEEDDENS.TIMEWEED table is 0.200

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	35	0.283	12.4
PLOT AREA HARVESTED	0.00230		

99/R/LNS/1

LINSEED

FUNGICIDES AND SPRING LINSEED

Object: To test fungicidal spray programmes on spring linseed - Sawyers I.

Sponsors: B.D.L. Fitt, S.A.M. Perryman.

Design: 2 blocks of 2 plots randomly split into 3 x 4 + 2.

Plot dimensions: 3.0 x 12.0.

Treatments: All combinations of:-

Whole plots: All combinations of:-

1. VARIETY

A	Antares
J	Jupiter

Sub-plots

2. FUNGCIDE Target organism and fungicides used:

AL	Alternaria (Rovral Flo at 2.0 l in 220 l)
BO	Botrytis (Benlate Fungicide at 1.1 kg in 220 l)
A+B	Alternaria and Botrytis (Compass at 3.0 l in 220 l)

3. TIMING Fungicide timing:

P+M	Pre-flowering
MF	Mid-flowering
CD	Capsule development
M+C	Mid-flowering and capsule development

Plus two extra treatments:

EXTRA

A	Antares with no fungicide (duplicated)
J	Jupiter with no fungicide (duplicated)

Experimental diary:

03-Dec-98 : B :	: Ploughed, started.
04-Dec-98 : B :	: Ploughed, completed.
11-Feb-99 : B :	: PK as (0:20:32) at 1000 kg.
29-Mar-99 : B :	: Spring-tined.
29-Mar-99 : T : A	: Combination drilled, Antares, tr. Vitavax RS, at 700 seeds/m ² with the Accord drill.
29-Mar-99 : T : J	: Combination drilled, Jupiter, tr. Hydraguard and Prelude 20 LF, at 700 seeds/m ² with the Accord drill.
28-Apr-99 : B :	: 34.5% N at 174 kg.

99/R/LNS/1

Experimental diary:

14-May-99 : B : Ally at 30 g in 200 l.
09-Jun-99 : T : P+M : Fungicides applied.
25-Jun-99 : T : M+C, MF, P+M : Fungicides applied.
13-Jul-99 : T : CD, M+C : Fungicides applied.
29-Jul-99 : B : tm) Enhance at 400 ml in 400 l.
 : B : tm) Reglone at 3.0 l in 400 l.
01-Sep-99 : B : Combine harvested.

Previous crops: S. barley 1997, w. wheat 1998.

GRAIN TONNES/HECTARE

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

FUNGCIDE TIMING	AL	BO	A+B	Mean
P+M	2.17	2.31	2.28	2.26
MF	2.14	2.16	2.32	2.21
CD	1.98	2.13	2.03	2.05
M+C	2.12	2.06	2.30	2.16
Mean	2.10	2.17	2.24	2.17
VARIETY TIMING	A	J	Mean	
P+M	2.26	2.26	2.26	
MF	2.20	2.22	2.21	
CD	1.97	2.12	2.05	
M+C	2.15	2.17	2.16	
Mean	2.14	2.19	2.17	
VARIETY FUNGCIDE	A	J	Mean	
AL	2.06	2.15	2.10	
BO	2.18	2.15	2.17	
A+B	2.20	2.27	2.24	
Mean	2.14	2.19	2.17	
FUNGCIDE VARIETY TIMING	AL	BO	A+B	
P+M	2.15	2.19	2.28	2.35
MF	2.06	2.22	2.22	2.11
CD	1.92	2.04	2.06	2.20
M+C	2.08	2.15	2.17	1.95
EXTRA	A	J	Mean	
	1.96	2.11	2.03	

Grand mean 2.15