

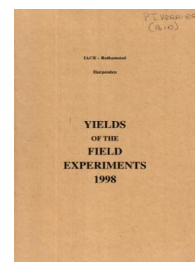
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1998

[Full Table of Content](#)



98/R/LN/3 Fungicides and Spring Linseed - Linseed

Rothamsted Research

Rothamsted Research (1999) *98/R/LN/3 Fungicides and Spring Linseed - Linseed* ; Yields Of The Field Experiments 1998, pp 155 - 157 - DOI: <https://doi.org/10.23637/ERADOC-1-52>

98/R/LN/3

LINSEED

FUNGICIDES AND SPRING LINSEED

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

Sponsors: B.D.L. Fitt.

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

Plot dimensions: 3.0 x 15.0.

Treatments: All combinations of:-

1. VARIETY

A	Antares
J	Jupiter

Sub-plots

2. FUNGICIDE Target organism:

AL	<i>Alternaria</i>
BO	<i>Botrytis</i>
A+B	<i>Alternaria</i> and <i>Botrytis</i>

3. TIMING Fungicide timing:

MF	Mid-flowering
CD	Capsule development
F+C	Mid-flowering and capsule development

Plus two extra treatments

EXTRA

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

Experimental diary:

10-Sep-97 : B : PK as (0:20:32) at 1250 kg.
09-Oct-97 : B : Ploughed and furrow pressed.
16-Mar-98 : B : Parable at 3.0 l with Luxan Non-Ionic Wetter at 60 ml in
200 l.
29-Apr-98 : B : Spring-tine cultivated.
29-Apr-98 : T : **VARIETY A, EXTRA A:** Rotary harrowed, Antares, dressed
Prelude 20 LF, drilled at 700 seeds per m².
29-Apr-98 : T : **VARIETY J, EXTRA J:** Rotary harrowed, Jupiter, dressed
Vitavax RS, drilled at 700 seeds per m².
14-May-98 : B : Cyperkill 10 at 250 ml in 200 l.
01-Jun-98 : B : 34.5% N at 150 kg.

98/R/LN/3

Experimental diary:

24-Jun-98 : B : Vindex at 1.0 l in 200 l.
 07-Jul-98 : T : **TIMING** MF, F+C, **FUNGICIDE** AL: Rovral Flo at 2.0 l in 220 l.
 : T : **TIMING** MF, F+C, **FUNGICIDE** BO: Benlate Fungicide at 1.1 kg in 220 l.
 : T : **TIMING** MF, F+C, **FUNGICIDE** A+B: Compass at 3.0 l in 220 l.
 27-Jul-98 : T : **TIMING** CD, F+C, **FUNGICIDE** AL: Rovral Flo at 2.0 l in 220 l.
 : T : **TIMING** CD, F+C, **FUNGICIDE** BO: Benlate Fungicide at 1.1 kg in 220 l.
 : T : **TIMING** CD, F+C, **FUNGICIDE** A+B: Compass at 3.0 l in 220 l.
 01-Sep-98 : B : Reglone at 3.0 l with Headland Enhance LF at 400 ml in 400 l.
 21-Sep-98 : B : Combine harvested.

Previous crops: Set-aside 1996, s. wheat 1997.

NOTE: Disease assessments were made on four occasions in July and August. Grain was assessed for specific weight and fungal pathogens.

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

TIMING	MF	CD	F+C	Mean
FUNGICIDE				
AL	1.54	1.59	1.57	1.57
BO	1.94	1.75	2.00	1.90
A+B	2.03	1.78	2.08	1.96
Mean	1.84	1.71	1.88	1.81

VARIETY	A	J	Mean
FUNGICIDE			
AL	1.44	1.69	1.57
BO	1.80	1.99	1.90
A+B	1.91	2.02	1.96
Mean	1.72	1.90	1.81

VARIETY	A	J	Mean
TIMING			
MF	1.80	1.87	1.84
CD	1.59	1.83	1.71
F+C	1.76	2.01	1.88
Mean	1.72	1.90	1.81

98/R/LN/3

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

TIMING	MF		CD		F+C	
VARIETY	A	J	A	J	A	J
FUNGCIDE						
AL	1.43	1.64	1.48	1.70	1.41	1.73
BO	1.89	1.99	1.65	1.86	1.88	2.12
A+B	2.09	1.97	1.64	1.92	1.98	2.17
EXTRA	A	J	Mean			
	1.41	1.61	1.51			

Grand mean 1.73

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

FUNGCIDE	TIMING	VARIETY*
		FUNGCIDE
0.073	0.073	0.103
VARIETY*	FUNGCIDE	VARIETY*
TIMING	TIMING	FUNGCIDE
		TIMING
0.103	0.126	0.178
		EXTRA
		0.031

* Within the same level of VARIETY only

SED for comparing EXTRA A or J with any item in VARIETY.FUNGCIDE.TIMING table is 0.145 within the same level of VARIETY only

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP.SP	26	0.178	10.3
GRAIN MEAN DM%	89.8		
PLOT AREA HARVESTED	0.00276		