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94/R/LN/1 Fungicide Timing - Linseed

Rothamsted Research

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94/R/LN/1

LINSEED

FUNGICIDE TIMING

Object: To study the effects of the timing and number of fungicide sprays on disease incidence and seed and oil yields of linseed - Delafield.

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

Design: 3 randomised blocks of 3 plots (duplicated).

Whole plot dimensions: 3.0 x 15.0.

Treatments:

FUNGICIDE	Timing and number of fungicide sprays:
-	None
E	Iprodione mid-flowering
F	Iprodione mid-flowering, repeated at late flowering, and benomyl at capsule formation

NOTE: In treatment F, iprodione at late flowering was omitted.

Experimental diary:

12-Nov-93 : B : FYM at 25 t.
02-Dec-93 : B : Ploughed.
20-Apr-94 : B : Spring-tine cultivated.
 : B : Rotary harrowed, Antares, dressed Prelude 20LF, drilled at 700 seeds per m².
21-Apr-94 : B : Rolled.
10-May-94 : B : 34.5% N at 220 kg.
12-May-94 : B : Ripcord at 250 ml in 200 l.
13-Jun-94 : B : Dow Shield at 0.5 l in 200 l.
12-Jul-94 : T : **FUNGICIDE** E, F: Rovral Flo at 2.0 l in 200 l.
05-Aug-94 : T : **FUNGICIDE** F: Benlate at 1.1 kg with Vassgro Spreader at 110 ml in 220 l.
13-Sep-94 : B : Combine harvested.

Previous crops: S. beans 1992, linseed 1993.

NOTE: Diseases were assessed at intervals throughout the season. Fungal spores were monitored continuously.

94/R/LN/1

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

FUNGICIDE	
-	0.71
E	0.79
F	0.86
Mean	0.79

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

FUNGICIDE
0.102

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	13	0.177	22.4
GRAIN MEAN DM%	86.0		
PLOT AREA HARVESTED	0.00276		