

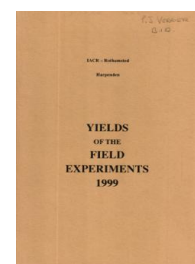
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Yields of the Field Experiments 1999

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99/R/RAW/4 Control of Stem Canker - W. Oilseed Rape

Rothamsted Research

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99/R/RAW/3

Experimental diary:

04-Nov-98 : T : OS : Folicur at 0.5 l in 220 l.
 : T : R : Folicur at 0.5 l in 220 l.
 06-Nov-98 : B : : tm)Laser at 0.5 l in 200 l.
 : B : : tm)Cropoil at 2.0 l in 200 l.
 16-Nov-98 : B : : Stefes Cypermethrin 2 at 250 ml in 200 l.
 17-Nov-98 : T : N : Folicur at 1.0 l in 220 l.
 : T : NS : Folicur at 0.5 l in 220 l.
 : T : R : Folicur at 0.5 l in 220 l.
 16-Dec-98 : T : D : Folicur at 1.0 l in 220 l.
 : T : DS : Folicur at 0.5 l in 220 l.
 : T : R : Folicur at 0.5 l in 220 l.
 13-Jan-99 : T : R : Folicur at 0.5 l in 220 l.
 08-Feb-99 : B : : 34.5% N at 300 kg.
 25-Feb-99 : T : R : Folicur at 0.5 l in 220 l.
 05-Mar-99 : B : : 34.5% N at 300 kg.
 25-Mar-99 : T : DS : Folicur at 0.5 l in 220 l.
 : T : NS : Folicur at 0.5 l in 220 l.
 : T : OS : Folicur at 0.5 l in 220 l.
 : T : R : Folicur at 0.5 l in 220 l.
 : T : SF : Folicur at 1.0 l in 220 l.
 30-Apr-99 : T : FF : Folicur at 1.0 l in 200 l.
 : T : R : Folicur at 0.5 l in 200 l.
 : B : : Hallmark at 100 ml in 200 l.
 09-Jul-99 : B : : tm)Reglone at 3.0 l in 400 l.
 : B : : tm)Enhance at 400 ml in 400 l.
 18-Jul-99 : B : : Combine harvested.

Previous crops: Linseed 1997, w. barley 1998.

GRAIN TONNES/HECTARE

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

CULTIVAR FUNGICIDE	B	C	Mean
-	3.37	4.25	3.81
R	5.23	5.47	5.35
O	3.66	4.27	3.96
N	3.58	4.57	4.07
D	3.53	4.50	4.01
OS	4.56	5.22	4.89
NS	4.59	4.72	4.65
DS	4.44	5.10	4.77
SF	4.88	5.25	5.06
FF	4.45	4.59	4.52
Mean	4.23	4.79	4.51

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

FUNGICIDE	CULTIVAR	FUNGICIDE CULTIVAR
0.220	0.092	0.302
Except when comparing means with the same level(s) of		
FUNGICIDE		0.292

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	18	0.270	6.0
BLOCK.WP.SP	20	0.358	7.9
GRAIN MEAN DM%	90.5		
SUB-PLOT AREA HARVESTED		0.00276	

99/R/RAW/4

WINTER OILSEED RAPE

CONTROL OF STEM CANKER

Object: To test fungicides to control stem canker (*Leptosphaeria maculans*) - Great Knott I.

Sponsors: B.D.L. Fitt, J. Biddulph, J.S. West, S.J. Welham.

Design: 3 randomised blocks of 21 plots.

Whole plot dimensions: 3.0 x 20.0.

Treatments:

FUNGICIDE	Fungicide timing, Difenconazole at 0.0625 kg with carbendazim at 0.125 kg in 220 l as Plover 250 EC and Bavistin DF:
-	None (duplicated)
A	Disease onset (06-Nov-98)
B	4-6 weeks after A (16-Dec-98)
C	4-6 weeks after B (21-Jan-99)
D	4-6 weeks after C (25-Feb-99)
E	As A and B
F	As A and C
G	As A and D
H	As A, B and C
I	As A, B and D
J	As A, C and D
K	As A, B, C and D
L	As B and C
M	As B and D
N	As B, C and D
O	As C and D
W	2 weeks after A (19-Nov-98) then as B, C and D
X	4 weeks after A (03-Dec-98) then as B, C and D
Y	As A, B and C then 2 weeks after D (10-Mar-99)
Z	As A, B and C then 4 weeks after D (25-Mar-99)

Experimental diary:

13-Aug-98 : B : : Ploughed and furrow pressed, started.
14-Aug-98 : B : : Ploughed and furrow pressed, completed.
21-Aug-98 : B : : Rolled.
25-Aug-98 : B : : Combination drilled, Apex, tr. Lindex-Plus FS Seed Treatment, at 120 seeds/m² with the Accord drill.
: B : : Rolled.
29-Aug-98 : B : : Doff Agricultural Slug Killer with Animal Repellent at 7.5 kg.
16-Sep-98 : B : : Hardy at 7.5 kg.
17-Sep-98 : B : : tm)Katamaran at 2.0 l in 200 l.
: B : : tm)Decis at 250 ml in 200 l.
24-Sep-98 : B : : 34.5% N at 120 kg.
06-Nov-98 : B : : tm)Laser at 0.5 l in 200 l.
: B : : tm)Cropoil at 2.0 l in 200 l.
: B : : Infected straw broadcast.
: T : A,E,F,G,H,I,J,K,Y,Z : Treatment applied.
13-Nov-98 : B : : Stefes Cypermethrin 2 at 250 ml in 200 l.
19-Nov-98 : T : W : Treatment applied.
03-Dec-98 : T : X : Treatment applied.