

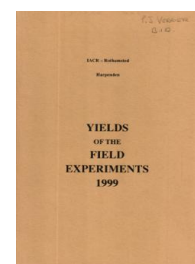
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99/R/WW/8 Strobilurins and Disease - W. Wheat

Rothamsted Research

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99/R/WW/5

Experimental diary:

06-May-99 : B : : Starane 2 at 1.0 l in 200 l.
27-May-99 : B : : tm)Opus at 0.75 l in 200 l.
: B : : tm)Sipcam UK Rover 500 at 1.0 l in 200 l.
23-Aug-99 : P : : Combine harvested.

Previous crops: W. wheat 1997, set-aside 1998

GRAIN TONNES/HECTARE

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

SEMICHEM

-	10.46
A	10.49
B	10.88
C	10.20
D	10.43

Mean 10.49

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

SEMICHEM

0.297

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

Stratum	d.f.	s.e.	cv%
ROW.COL	12	0.469	4.5

GRAIN MEAN DM% 87.1

PLOT AREA HARVESTED 0.00138

99/R/WW/8

WINTER WHEAT

STROBILURINS AND DISEASE

Object: To study the effects of strobilurin fungicides on take-all (*Gaeumannomyces graminis*) - Great Harpenden II.

Sponsors: J.F. Jenkyn, C.G. Peters, G.L. Bateman, K.L. Sykes, R.J. Gutteridge.

Design: 3 randomised blocks of 2 x 2 x 2 x 2.

Whole plot dimensions: 3.0 x 9.0.

Treatments: All combinations of:-

1. **AUTSPRAY** Autumn spray:

E-	None
ES	Applied

2. **SPRSPRAY** Spring spray:

M-	None
MS	Applied

3. **SUMSPRAY** Summer spray:

L-	None
LS	Applied

4. **FUNGCHEM** Fungicide:

AZ	Amistar at 1.0 l in 220 l
KM	Landmark at 1.0 l in 220 l

NOTE: Landmark contains epiconazole, to balance fungicides Opus at 1.0 l in 220 l was applied to AZ, M- and L- plots. Opus was not applied with the autumn application (E-).

Experimental diary:

19-Aug-98	: B :	: Shakerated.
20-Aug-98	: B :	: Ploughed and furrow pressed, started.
21-Aug-98	: B :	: Ploughed and furrow pressed, completed.
29-Sep-98	: B :	: tm)PDQ at 3.0 l in 200 l.
	: B :	: tm)Enhance at 200 ml in 200 l.
13-Oct-98	: B :	: Combination drilled, Hereward, tr. Sibutol, at 380 seeds/m ² with the Accord drill.
	: B :	: Hardy at 7.5 kg.
07-Jan-99	: T : ES AZ	: Autumn spray applied
	: T : ES KM	: Autumn spray applied
16-Mar-99	: B :	: 34.5% N at 145 kg.
	: B :	: tm)Hawk at 2.0 l in 200 l.
	: B :	: tm)Panther at 1.25 l in 200 l.
	: B :	: tm)Cropoil at 1.0 l in 200 l.
14-Apr-99	: B :	: 34.5% N at 435 kg.
19-Apr-99	: T : M-	: Opus at 1.0 l in 220 l.
	: T : MS AZ	: Spring spray applied.
	: T : MS KM	: Spring spray applied.

99/R/WW/8

Experimental diary:

26-May-99 : T : L- : Opus at 1.0 l in 220 l.
 : T : LS AZ : Summer spray applied.
 : T : LS KM : Summer spray applied.
 23-Jul-99 : B : : Alpha Glyphogan at 4.0 l in 200 l.
 03-Aug-99 : B : : Combine harvested.

Previous crops: W. wheat 1997, w. wheat 1998.

GRAIN TONNES/HECTARE

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

AUTSPRAY	E-	ES	Mean
FUNGCHEM			
AZ	7.38	8.46	7.92
KM	7.52	7.55	7.54

Mean 7.45 8.00 7.73

SPRSPRAY	M-	MS	Mean
FUNGCHEM			
AZ	7.70	8.13	7.92
KM	7.53	7.54	7.54

Mean 7.62 7.84 7.73

SPRSPRAY	M-	MS	Mean
AUTSPRAY			
E-	7.22	7.68	7.45
ES	8.02	7.99	8.00

Mean 7.62 7.84 7.73

SUMSPRAY	L-	LS	Mean
FUNGCHEM			
AZ	7.81	8.02	7.92
KM	7.37	7.70	7.54

Mean 7.59 7.86 7.73

SUMSPRAY	L-	LS	Mean
AUTSPRAY			
E-	7.25	7.65	7.45
ES	7.93	8.08	8.00

Mean 7.59 7.86 7.73

SUMSPRAY	L-	LS	Mean
SPRSPRAY			
M-	7.60	7.63	7.62
MS	7.58	8.09	7.84

Mean 7.59 7.86 7.73