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Yields of the Field Experiments 1999

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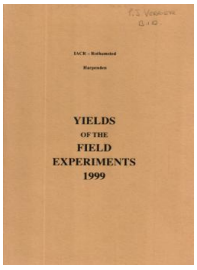

99/R/CS/476 Fungicide Sequence and Take-all - W. Wheat

Rothamsted Research

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99/R/CS/472

GRAIN TONNES/HECTARE

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

CROP / FUNGCIDE	WW	BW	Mean
---	8.50	7.74	8.12
E-E	8.26	8.00	8.13
-E-	7.56	7.39	7.48
EEE	8.49	7.85	8.17
B-B	8.71	7.76	8.23
-B-	7.54	7.94	7.74
BBB	8.31	8.13	8.22
Mean	8.23	7.82	8.03

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

FUNGCIDE	CROP	FUNGCIDE CROP	
0.261		0.369	min.rep
0.226	0.131	0.320	max-min
		0.261	max.rep

	FUNGCIDE
max.rep	- only
max-min	- v any of the remainder
min.rep	Any of the remainder

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	46	0.522	6.5

GRAIN MEAN DM% 87.6

PLOT AREA HARVESTED 0.00227

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99/R/CS/476

FUNGICIDE SEQUENCES AND TAKE-ALL

Object: To determine the effects of a fungicidal seed treatment on take-all (*Gaeumannomyces graminis*) development in w. wheat - Long Hoos IV 4.

Sponsors: J.F. Jenkyn, R.G. Gutteridge, G.L. Bateman.

The third year, w. wheat.

For previous years see 97-98/R/CS/476.

Design: 4 randomised blocks of 2 x 2 x 2.

Plot dimensions: 3.0 x 10.0.

Treatments: All combinations of:-

1.	**FUNG97**	Fungicidal seed treatment to the 1997 crop:
	(F97)	Seed treated
	(-97)	None
2.	**FUNG98**	Fungicidal seed treatment to the 1998 crop:
	(F98)	Seed treated
	(-98)	None
3.	**FUNG99**	Fungicidal seed treatment to the 1999 crop:
	F99	Seed treated
	-99	None

NOTE: The seed treatment was fluquinconazole at 75 g/100 kg of seed.

Experimental diary:

26-Sep-98	: B :	: Ploughed.
12-Oct-98	: B :	: Spring-tined.
	: B :	: Combination drilled, Hereward, tr as treatment, at 380 seeds per m^2 with the Accord drill.
	: B :	: Hardy at 7.5 kg.
09-Mar-99	: B :	: tm)Isoguard at 1.0 l in 200 l.
	: B :	: tm)Unite A at 0.125 l in 200 l.
	: B :	: tm)Unite B at 1.0 l in 200 l.
	: B :	: tm)Cropoil at 1.0 l in 200 l.
12-Mar-99	: B :	: 34.5% N at 145 kg.
14-Apr-99	: B :	: 34.5% N at 435 kg.
29-Jul-99	: B :	: Combine harvested.

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