

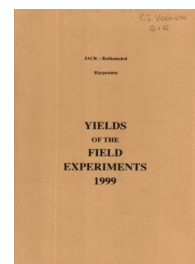
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## Yields of the Field Experiments 1999

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### 99/R/CS/508 Seed Treatment Sequences and Take-all - W. Wheat

#### Rothamsted Research

Rothamsted Research (2000) *99/R/CS/508 Seed Treatment Sequences and Take-all - W. Wheat ; Yields Of The Field Experiments 1999*, pp 109 - 110 - DOI:

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99/R/CS/504

GRAIN TONNES/HECTARE

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

CROP	
BEW	6.05
LNW	1.93
LP	3.18
WW	6.28
RAW	4.70
OW	7.63
Mean	4.96

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

CROP  
0.478

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	15	0.676	13.6
GRAIN MEAN DM%	84.7		
PLOT AREA HARVESTED	0.00230		

99/R/CS/508

### SEED TREATMENT SEQUENCES AND TAKE-ALL

**Object:** To determine effects of a seed treatment fungicide on take-all (*Gaeumannomyces graminis*) and populations of the causal fungus - Stackyard.

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

The first year, w. wheat.

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

**Plot dimensions:** 6.0 x 10.0.

#### Treatments:

**S1999** Seed dressing and year applied:

-99 1999 none  
F99 1999 fluquinconazole

Randomised for treatments as above in three subsequent years

#### Experimental diary:

11-Sep-98 : B : : Ploughed and furrow pressed, started.  
14-Sep-98 : B : : Ploughed and furrow pressed, completed.  
15-Oct-98 : T : -99 : Combination drilled, Hereward, recleaned, at 380  
seeds/m<sup>2</sup> with the Accord drill.  
: T : F99 : Combination drilled, Hereward, tr. fluquinconazole, at  
380 seeds/m<sup>2</sup> with the Accord drill.  
16-Oct-98 : B : : Hardy at 7.5 kg.  
06-Nov-98 : B : : Decoy at 15 kg.  
13-Feb-99 : B : : tm)Chiltern IPU 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  
10-Mar-99 : B : : 34.5% N at 145 kg.  
16-Apr-99 : B : : 34.5% N at 435 kg.  
30-Apr-99 : B : : tm)Ally at 30 g in 200 l.  
: B : : tm)Starane 2 at 0.5 l in 200 l.  
: B : : tm)Opus at 1.0 l in 200 l.  
27-May-99 : B : : tm)Opus at 0.75 l in 100 l.  
: B : : tm)Sipcam UK Rover 500 at 1.0 l in 100 l.  
16-Jun-99 : B : : Folicur at 0.25 l in 100 l.  
23-Jul-99 : B : : Alpha Glyphogan at 4.0 l in 200 l.  
16-Aug-99 : B : : Combine harvested.

Previous crops: W. beans and lupins 1997, s. wheat 1998