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

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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/m² with the Accord drill.
: T : F99 : Combination drilled, Hereward, tr. fluquinconazole, at
380 seeds/m² 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