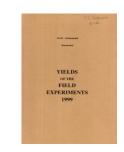
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Yields of the Field Experiments 1999



Full Table of Content

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

Rothamsted Research

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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: 6.0×10.0 .

Treatments:

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 : 14-Sep-98 : B :
                      : Ploughed and furrow pressed, started.
                      : Ploughed and furrow pressed, completed.
15-Oct-98: T: -99: Combination drilled, Hereward, recleaned, at 380
                          seeds/m2 with the Accord drill.
           : {\bf T} : F99 : Combination drilled, Hereward, tr. fluquinconazole, at 380 seeds/m² with the Accord drill.
                      : Hardy at 7.5 kg.
16-Oct-98 : B :
06-Nov-98 : B :
                     : Decoy at 15 kg.
                      : tm)Chiltern IPU at 1.0 l in 200 l.
13-Feb-99 : B :
                      : tm)Unite A at 0.125 1 in 200 1.
           : B :
                      : tm) Unite B at 1.0 1 in 200 1.
           : B :
                     : tm)Cropoil at 1.0 1 in 200 1
: 34.5% N at 145 kg.
           : B :
10-Mar-99 : B :
16-Apr-99 : B :
                      : 34.5% N at 435 kg.
                     : tm)Ally at 30 g in 200 l.
: tm)Starane 2 at 0.5 l in 200 l.
30-Apr-99 : B :
           : B :
                      : tm)Opus at 1.0 1 in 200 1.
           : B :
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 1 in 100 1.
                     : Alpha Glyphogan at 4.0 l in 200 l.
23-Jul-99 : B :
16-Aug-99 : B :
                    : Combine harvested.
```

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