Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readible, or you suspect there are some problems, please let us know and we will correct that.



Yields of the Field Experiments 1999



Full Table of Content

99/R/CS/494 Take-all, Phialophora and Seed Treatments - W. Wheat

Rothamsted Research

Rothamsted Research (2000) 99/R/CS/494 Take-all, Phialophora and Seed Treatments - W. Wheat; Yields Of The Field Experiments 1999, pp 98 - 99 - DOI: https://doi.org/10.23637/ERADOC-1-34

99/W/CS/491

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

	S FORM	APP TIME	GYPSUM	S FORM
	0.183	0.130	0.107	0.259
	S FORM GYPSUM	APP TIME GYPSUM	S FORM APP TIME GYPSUM	
	0.237	0.168	0.336	
Except when c	comparing means 0.213	with the sam	ne level(s)	of
APP TIME		0.151		
S FORM. APP TI	ME		0.302	

S.e.d. for comparing ${\tt EXTRA}$ - with any item ${\tt S}$ ${\tt FORM.APP}$ ${\tt TIME.GYPSUM}$ is 0.300

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

Stratum	d.f.	s.e.	cv*
BLOCK.WP	24	0.367	13.4
BLOCK.WP.SP	27	0.427	15.6

GRAIN MEAN DM% 88.1

PLOT AREA HARVESTED 0.00175

99/R/CS/494

TAKE-ALL, PHIALOPHORA AND SEED TREATMENTS

Object: To test a fungal antagonist of take-all (Gaeumannomyces graminis) and determine its interaction with a take-all-selective fungicide - Stackyard.

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

The second year, w. wheat.

For previous year see 98/R/CS/494.

Design: 4 randomised blocks of 18 plots.

Plot dimensions: 3.0 x 10.0.

Treatments: Selected combinations of:-

1.	TRT1998	Treatment to 1998 crop:
	(-8) (P8) (T8)	None Phialophora inoculum to seedbed Take-all inoculum to seedbed
2.	TRT1999	Treatment to 1999 crop:
	-9 P9 T9	None Phialophora inoculum to seedbed Take-all inoculum to seedbed
3.	TRT2000	Treatment to 2000 crop:
	-0 P0 S0 PS0	None Phialophora inoculum to seedbed Seed treatment fungicide; fluquinconazole at 75 g/100 kg Phialophora inoculum and seed treatment fungicide

fluquinconazole at 75 g/100 kg

: Ploughed and furrow pressed, started.

Experimental diary:

11-Sep-98 : B :

```
14-Sep-98 : B :
                         : Ploughed and furrow pressed, completed.
                         : Combination drilled, Hereward, recleaned, at 380
15-Oct-98 : B :
                              seeds/m2 with the Nordsten drill.
             : T : P9 : Inoculum applied at 23 g/m2.
             : T : T9 : Inoculum applied at 23 g/m2.
16-Oct-98 : B : 06-Nov-98 : B :
                         : Hardy at 7.5 kg.
                         : Decoy at 15 kg.
                        : tm)Chiltern IPU at 1.0 l in 200 l.
: tm)Unite A at 0.125 l in 200 l.
13-Feb-99 : B :
             : B :
                         : tm) Unite B at 1.0 1 in 200 1.
             : B :
                        : tm)Cropoil at 1.0 l in 200 l
             : B :
10-Mar-99 : B :
                        : 34.5% N at 145 kg.
30-Apr-99 : B :
                         : tm) Ally at 30 g in 200 1.
             : B :
                        : tm)Starane 2 at 0.5 1 in 200 1.
                        : tm)Opus at 0.7 1 in 200 1.
: B : : tm) Opus at 0.7 1 in 200 1.

27-May-99 : B : : tm) Opus at 0.75 1 in 100 1.

: B : : tm) Sipcam UK Rover 500 at 1.0 1 in 100 1.

16-Jun-99 : B : : Folicur at 0.25 1 in 100 1.
```