

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 readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1999

[Full Table of Content](#)



99/R/CS/323 Cereal Sequences and Take-all - W. Wheat

Rothamsted Research

Rothamsted Research (2000) *99/R/CS/323 Cereal Sequences and Take-all - W. Wheat* ; Yields Of The Field Experiments 1999, pp 60 - 61 - DOI: <https://doi.org/10.23637/ERADOC-1-34>

99/R/CS/311

Experimental diary:

07-Apr-99 : T : RAS : Decoy at 15 kg.
 08-Apr-99 : T : RAS : Clayton Metazachlor at 1.0 l in 200 l.
 15-Apr-99 : B : : 34.5% N at 435 kg.
 19-May-99 : T : RAS : Hallmark at 150 ml in 200 l.
 29-May-99 : T : -,G,WR : tm)Folicur at 1.0 l in 100 l.
 : T : -,G,WR : tm)Sipcam UK Rover 500 at 1.0 l in 100 l.
 09-Jun-99 : T : RAS : Hallmark at 150 ml in 200 l.
 25-Jun-99 : T : WR : Roundup at 4.0 l in 200 l.
 : T : -,G : tm)Folicur at 0.25 l in 100 l.
 : T : -,G : tm)Magnesium sulphate at 5.0 kg in 100 l.
 29-Jul-99 : T : -,G : Combine harvested.
 25-Aug-99 : T : RA : Combine harvested, no yields.

NOTE: Yields were only taken from the 'rows' in w. wheat; - and G.

GRAIN TONNES/HECTARE

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

GLYPHOS	-	G	Mean
STRAW			
BU	9.49	10.20	9.85
BA	3.98	9.81	6.90
CH	5.19	9.10	7.15
Mean	6.22	9.71	7.96

GRAIN MEAN DM% 86.7

SUB-PLOT AREA HARVESTED 0.00276

99/R/CS/323

CEREAL SEQUENCES AND TAKE-ALL

Object: To study the effect of seed treatment on take-all (*Gaeumannomyces graminis*) in w. wheat grown after various cereal sequences - West Barnfield II.

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

The 12th year, w. wheat.

For previous years see 88-96,98/R/CS/323.

Design: 3 randomised blocks of 26 plots.

Whole plot dimensions: 3.0 x 10.0.

Treatments:

1. **FUN99** Seed dressing in 1999:
 - NONE None
 - FLUQUIN Fluquinconazole

2. **GROUP** Crop sequences and levels of take-all decline:
 - I Old sequences with well established take-all decline
 - II Old sequences with less well established take-all decline
 - III Old sequences with take-all decline possibly not established

Experimental diary:

15-Sep-98 : B : : Ploughed and furrow pressed.
24-Sep-98 : T : NONE : Combination drilled, Hereward, re-cleaned, at 380 seeds/m² with the Accord drill.
 : T : FLUQUIN : Combination drilled, Hereward, treated, at 380 seeds/m² with the Accord drill.
25-Sep-98 : B : : Rolled.
01-Dec-98 : B : : tm)Amazon at 1.0 l in 200 l.
 : B : : tm)Isogard at 2.0 l in 200 l.
 : B : : tm)Stefes Cypermethrin 2 at 250 ml in 200 l.
 : B : : tm)Cropoil at 1.0 l in 200 l.
12-Feb-99 : B : : Muriate of potash at 600 kg.
12-Mar-99 : B : : 34.5% N at 145 kg.
18-Mar-99 : B : : Triple superphosphate at 300 kg.
15-Apr-99 : B : : 34.5% N at 435 kg.
01-May-99 : B : : Opus at 0.7 l in 200 l.
29-May-99 : B : : tm)Folicur at 1.0 l in 100 l.
 : B : : tm)Sipcam UK Rover 500 at 1.0 l in 100 l.
25-Jun-99 : B : : tm)Folicur at 0.25 l in 100 l.
 : B : : tm)Magnesium sulphate at 5.0 kg in 100 l.
29-Jul-99 : B : : Combine harvested.

Previous crops: Set-aside 1997, w. wheat 1998.