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## Yields of the Field Experiments 2000

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### 00/R/CS/504 Break Crops and Take-all - W. Wheat

#### Rothamsted Research

Rothamsted Research (2001) *00/R/CS/504 Break Crops and Take-all - W. Wheat* ; Yields Of The Field Experiments 2000, pp 100 - 101 - DOI: <https://doi.org/10.23637/ERADOC-1-55>

00/R/CS/504

**BREAK CROPS AND TAKE-ALL**

**Object:** To test effects of different break crops on take-all (*Gaeumannomyces graminis*) in the following wheat - Great Harpenden II.

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

**Design:** 4 Blocks of 7 plots.

The second year, w. wheat.

For previous year see 99/R/CS/504.

**Whole plot dimensions:** 6.0 x 10.0.

**Treatments:**

CROP	Crop in 1999:
(BE)	Winter beans
(LN)	Winter linseed
(LP)	Winter lupins
(W)	Winter wheat
(PE)	Winter peas
(RA)	Winter rape
(O)	Winter oats

**Experimental diary:**

01-Sep-99 : B : : Ploughing started.  
02-Sep-99 : B : : Ploughing completed.  
14-Sep-99 : B : : Disced, rolled.  
15-Sep-99 : B : : Disced.  
17-Sep-99 : B : : Combination drilled, Hereward, tr. Sibutol at 380 seeds/m<sup>2</sup>, with the Accord drill.  
22-Sep-99 : B : : Genesis at 5.0 kg.  
26-Oct-99 : B : : tm)Lexus 50 DF at 20 g in 200 l.  
: B : : tm)Stomp 400 SC at 2.5 l in 200 l.  
: B : : tm)Cyperkill 10 at 250 ml in 200 l.  
09-Mar-00 : B : : 34.5% N at 145 kg.  
06-Apr-00 : B : : tm)Topik at 125 ml in 200 l.  
: B : : tm)Toil at 0.5 l in 200 l.  
19-Apr-00 : B : : 34.5% N at 377 kg.  
27-Apr-00 : B : : Opus at 0.4 l in 200 l.  
01-May-00 : B : : Moddus at 0.2 l in 200 l.  
07-May-00 : B : : tm)Sypex at 1.0 l in 200 l.  
: B : : tm)Enhance Low Foam at 80 ml in 200 l.  
22-May-00 : B : : Opus at 0.75 l in 100 l.  
10-Aug-00 : B : : Combine harvested.

Previous crops: W. wheat 1998, treatment 1999.

**NOTE:** Plant samples were taken in April and June to assess root and stem base diseases.

00/R/CS/504

GRAIN TONNES/HECTARE

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

CROP	
(BE)	6.47
(LN)	7.15
(LP)	6.75
(W)	3.81
(PE)	6.53
(RA)	6.29
(O)	7.84
Mean	6.41

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

CROP  
0.325

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	18	0.460	7.2
GRAIN MEAN DM%	83.3		
PLOT AREA HARVESTED	0.00237		