

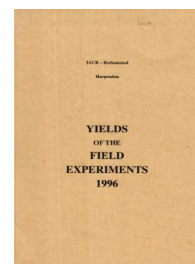
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## Yields of the Field Experiments 1996

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### 96/W/CS/404 Take-all Seed Treatment

#### Rothamsted Research

Rothamsted Research (1997) *96/W/CS/404 Take-all Seed Treatment* ; Yields Of The Field Experiments 1996, pp 80 - 81 - DOI: <https://doi.org/10.23637/ERADOC-1-51>

96/W/CS/404

**TAKE-ALL SEED TREATMENT**

**Object:** To test new fungicidal seed treatments for the control of take-all (*Gaeumannomyces graminis*) - Woburn, Stackyard II.

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

**Design:** 6 randomised blocks of 6 plots.

**Whole plot dimensions:** 3.0 x 19.0.

**Treatments:**

| SEED TRT | Seed treatment:                                 |
|----------|---|
| -        | None  |
| BF       | Fuberidazole with triadimenol (Baytan Flowable) |
| A1       | Fungicide A, rate 1                             |
| A2       | Fungicide A, rate 2                             |
| B1       | Fungicide B, rate 1                             |
| B2       | Fungicide B, rate 2                             |

**NOTE:** Fungicides A and B are under commercial development, composition undisclosed.

**Experimental diary:**

14-Sep-95 : B : Ploughed.  
20-Oct-95 : B : Rotary harrowed.  
23-Oct-95 : B : Brigadier, drilled at 375 seeds per m<sup>2</sup>.  
20-Nov-95 : B : Panther at 2.0 l in 200 l.  
16-Apr-96 : B : 34.5% N at 348 kg.  
30-Apr-96 : B : Halo at 1.5 l in 200 l.  
06-Jun-96 : B : Silvacur at 1.0 l in 300 l.  
20-Aug-96 : B : Combine harvested.

Previous crops: W. rye 1994, w. wheat 1995.

**NOTE:** Samples were taken in April to assess take-all and plant growth and in June to assess take-all and eyespot.

96/W/CS/404

GRAIN TONNES/HECTARE

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

| SEED TRT |      |
|----------|------|
| -        | 7.04 |
| BF       | 6.37 |
| A1       | 7.24 |
| A2       | 6.87 |
| B1       | 7.16 |
| B2       | 7.35 |
| Mean     | 7.01 |

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

| SEED TRT |
|----------|
| 0.417    |

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

| Stratum  | d.f. | s.e.  | cv%  |
|----------|------|-------|------|
| BLOCK.WP | 25   | 0.722 | 10.3 |

GRAIN MEAN DM% 88.4

PLOT AREA HARVESTED 0.00415