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## Yields of the Field Experiments 1996

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### 96/R/CS/456 Take-all Seed Treatment - W. Wheat

#### Rothamsted Research

Rothamsted Research (1997) *96/R/CS/456 Take-all Seed Treatment - W. Wheat* ; Yields Of The Field Experiments 1996, pp 101 - 102 - DOI: <https://doi.org/10.23637/ERADOC-1-51>

96/R/CS/456

**TAKE-ALL SEED TREATMENT**

**Object:** To test fungicidal seed treatments for the control of take-all (*Gaeumannomyces graminis*) - Long Hoos V 1 + O&E N.

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

The first year, w. wheat.

**Design:** 4 randomised blocks of 6 plots.

**Plot dimensions:** 3.0 x 10.0.

**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:**

12-Aug-95 : B : Straw baled and removed.  
09-Oct-95 : B : Topped.  
18-Oct-95 : B : Gramoxone 100 at 3.0 l in 200 l.  
19-Oct-95 : B : Heavy spring-tine cultivated, cultivated by rotary grubber. Rotary harrowed, Brigadier, dressed as treatments, drilled at 380 seeds per m<sup>2</sup>.  
16-Apr-96 : B : 34.5% N at 347 kg.  
13-Jun-96 : B : Alto 100 SL at 0.6 l in 300 l.  
          : B : Mallard 750 EC at 0.4 l in 300 l.  
09-Jul-96 : B : Wild oats pulled by hand.  
21-Aug-96 : B : Combine harvested.

Previous crops: S. barley 1994, s. wheat after failed lupins 1995.

**NOTE:** Emergence was assessed and plant counts were made in November. Samples were taken in April to assess take-all on plant growth and in July to assess take-all and eyespot.

96/R/CS/456

GRAIN TONNES/HECTARE

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

SEED TRT	
-	9.99
BF	9.93
A1	10.03
A2	9.92
B1	10.24
B2	10.57
Mean	10.11

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

SEED TRT
0.324

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	15	0.458	4.5

GRAIN MEAN DM% 84.9

PLOT AREA HARVESTED 0.00227