

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 1996

[Full Table of Content](#)



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 m².
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