

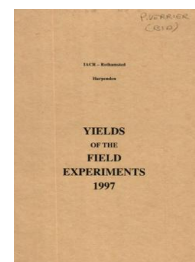
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1997

[Full Table of Content](#)



97/W/WW/3 Fungicides and Take-all - W. Wheat

Rothamsted Research

Rothamsted Research (1998) *97/W/WW/3 Fungicides and Take-all - W. Wheat* ; Yields Of The Field Experiments 1997, pp 110 - 111 - DOI: <https://doi.org/10.23637/ERADOC-1-53>

97/W/WW/3

WINTER WHEAT

FUNGICIDES AND TAKE-ALL

Object: To test fungicides to control take-all (*Gaeumannomyces graminis*)
- Woburn, Stackyard C.

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

Design: 4 randomised blocks of 6 x 2 plots.

Plot dimensions: 3.0 x 10.0.

Treatments: All combinations of:-

1. **SEED TRT** Seed Treatment:
 - None
 - F1R1 Fungicide 1 rate 1
 - F1R2 Fungicide 1 rate 2
 - F2R1 Fungicide 2 rate 1
 - F2R2 Fungicide 2 rate 1
 - B Fuberidazole and triadimenol (Baytan Flowable)

2. **SPORTAK** Eyespot control
 - O None
 - S Prochloraz (Sportak 45)

NOTE: Fungicide 1 and 2 are under commercial development, composition undisclosed.

Experimental diary:

- 30-Sep-96 : B : Ploughed.
- 16-Oct-96 : B : Rotary harrowed, Brigadier, dressed as treatment, drilled at 400 seeds per m².
- 06-Dec-96 : B : Panther at 2.0 l in 200 l.
- 21-Mar-97 : B : 27.5% N at 145 kg.
- 14-Apr-97 : T : **SPORTAK** S: Sportak 45 at 0.9 l in 200 l.
- 15-Apr-97 : B : 34.5% N at 348 kg.
- 16-May-97 : B : Halo at 2.0 l in 300 l.
- 04-Jun-97 : B : Alto 100 SL at 0.8 l with Mistral at 1.0 l in 300 l.
- 17-Aug-97 : B : Combine harvested.

Previous crops: W.wheat 1995 and 1996.

NOTE: In April plant populations were estimated, shoot dry weight measured and take-all assessed. In June take-all and stem base diseases were measured.

97/W/WW/3

GRAIN TONNES/HECTARE

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

SPORTAK SEED TRT	O	S	Mean
-	3.58	3.94	3.76
F1R1	4.09	4.50	4.30
F1R2	4.24	5.53	4.89
F2R1	4.96	4.23	4.59
F2R2	4.65	5.03	4.84
B	3.54	3.86	3.70
Mean	4.18	4.51	4.35

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

SEED TRT	SPORTAK	SEED TRT SPORTAK
0.580	0.335	0.821

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	33	1.161	26.7
GRAIN MEAN DM%	89.5		
PLOT AREA HARVESTED	0.00236		