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## Yields of the Field Experiments 1999

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### 99/R/CS/472 Cereals and Seed Treatments - W. Wheat, W. Barley

#### Rothamsted Research

Rothamsted Research (2000) *99/R/CS/472 Cereals and Seed Treatments - W. Wheat, W. Barley* ; Yields Of The Field Experiments 1999, pp 81 - 82 - DOI: <https://doi.org/10.23637/ERADOC-1-34>

99/W/CS/446

**Experimental diary:**

28-Apr-99 : B : : tm)Folicur at 0.5 l in 200 l.  
 : B : : tm)Tripart Brevis at 2.0 l in 200 l.  
 : B : : tm)Profol Manganese 500 at 1.0 l in 200 l.  
 21-May-99 : B : : Ally at 30 g with Starane 2 at 0.5 l in 200 l.  
 27-May-99 : B : : Folicur at 1.0 l in 200 l.  
 21-Aug-99 : B : : Combine harvested, straw chopped.

**GRAIN TONNES/HECTARE**

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

CULT	(PE)	(PL)	Mean
<b>CROP</b>			
(R)	6.45	5.45	5.95
(RW)	6.64	6.85	6.75
(RI)	6.39	5.96	6.17
(RWI)	7.00	8.04	7.52
(M)	6.79	6.45	6.62
(MW1)	6.84	7.71	7.27
(MW2)	7.45	6.60	7.03
(MW3)	7.24	6.80	7.02
(MW4)	5.83	6.14	5.99
(MW5)	6.46	6.68	6.57
Mean	6.71	6.67	6.69

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

CROP	CULT	CROP CULT
0.392	0.175	0.555

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	57	0.784	11.7
GRAIN MEAN DM%	84.8		
PLOT AREA HARVESTED	0.00459		

99/R/CS/472

**CEREALS AND SEED TREATMENTS**

**Object:** To test seed treatment fungicides on root and stem base diseases of winter wheat and barley - Highfield IV/Road Piece East.

**Sponsors:** W.A.J.M. Dawson, G.L. Bateman, J.F. Jenkyn.

The third year, w. wheat and w. barley.

**Design:** 4 randomised blocks of 8 x 2.

**Plot dimensions:** 3.0 x 10.0.

**Treatments:** All combinations of:-

1. **FUNGICIDE** Seed treatment and year:

	1997	1998	1999
--- (duplicated)	None	None	None
E-E	CR21528	None	CR21528
-E-	None	CR21528	None
EEE	CR21528	CR21528	CR21528
B-B	CR21529	None	CR21529
-B-	None	CR21529	None
BBB	CR21529	CR21529	CR21529

2. **CROP**

WW	Winter wheat
BW	Winter barley

**NOTE:** Fungicides CR21528 and CR21529 are under commercial development, composition disclosed in confidence.

**Experimental diary:**

09-Sep-98 : B : : Ploughed and furrow pressed, started.  
10-Sep-98 : B : : Ploughed and furrow pressed, completed.  
25-Sep-98 : B : : Rolled.  
26-Sep-98 : T : BW : Combination drilled, Regina, tr. as treatment, at 350 seeds/m<sup>2</sup> with the Accord drill.  
                  : T : WW : Combination drilled, Hereward tr. as treatment, at 380 seeds/m<sup>2</sup> with the Accord drill.  
28-Sep-98 : B : : Hardy at 7.5 kg.  
11-Nov-98 : B : : Avadex BW Granular at 22.5 kg.  
03-Dec-98 : B : : tm)Isoguard at 2.0 l in 200 l.  
                  : B : : tm)Stomp 400 SC at 3.0 l in 200 l.  
                  : B : : tm)Stefes Cypermethrin 2 at 250 ml in 200 l.  
10-Mar-99 : B : : 34.5% N at 145 kg.  
30-Mar-99 : B : : 34.5% N at 315 kg.  
07-May-99 : B : : tm)Ally at 10 g in 200 l.  
                  : B : : tm)Starane 2 at 0,5 l in 200 l.  
28-Jul-99 : T : BW : Combine harvested.  
30-Jul-99 : T : WW : Combine harvested.

**NOTE:** The yield of one plot with **FUNGICIDE** BBB and **CROP** BW was lost because of lodging. An estimated value was used in the analysis.