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## Yields of the Field Experiments 1998

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### 98/R/WW/13 Fungicide and Timing - W. Wheat

#### Rothamsted Research

Rothamsted Research (1999) *98/R/WW/13 Fungicide and Timing - W. Wheat* ; Yields Of The Field Experiments 1998, pp 133 - 134 - DOI: <https://doi.org/10.23637/ERADOC-1-52>

98/R/WW/13

WINTER WHEAT

FUNGICIDE AND TIMINGS

**Object:** To test some new fungicides on w. wheat - Sawyers II.

**Sponsors:** C. Peters.

**Design:** 3 randomised blocks of 3 x 4 + 1 plots.

**Whole plot dimensions:** 3.0 x 10.0.

**Treatments:** All combinations of:-

1. **FUNG 1** Fungicides in April, growth stage (GS) 32:  
AF Azoxystrobin at 150 g and epoxiconazole at 38 g  
KF Kresoxim-methyl with epoxiconazole each at 94 g  
AKH Azoxystrobin at 75 g with kresoxim-methyl at 50 g and  
epoxiconazole at 94 g

2. **FUNG 2** Fungicides in May/June, GS 39 and/or 55 and/or 61:  
AP39 Azoxystrobin at 200 g with flutriafol at 50 g at GS 39  
AP55 Azoxystrobin at 200 g with flutriafol at 50 g at GS 55  
APA Azoxystrobin at 200 g with flutriafol at 50 g at GS 39  
and azoxystrobin at 100 g at GS 61  
0 Epoxiconazole at 125 g at GS 39

Plus extra

**EXTRA**

- Epoxiconazole at 94 g at GS 32 and difenoconazole at 50 g  
at GS 61

**Experimental diary:**

24-Sep-97 : B : PK as (0:20:32) at 1250 kg.  
27-Sep-97 : B : Ploughed.  
28-Sep-97 : B : Rolled.  
29-Sep-97 : B : Rotary harrowed, Abbot, dressed Beret Gold, drilled at  
380 seeds per m<sup>2</sup>.  
13-Jan-98 : B : Lexus Class WSB at 60 g in 100 l.  
18-Feb-98 : B : 34.5% N at 120 kg.  
23-Apr-98 : T : **EXTRA** -: Opus at 0.75 l in 200 l.  
: T : **FUNG 1** AKH: Amistar at 0.30 l with Landmark at 0.40 l  
and Opus at 0.35 l in 220 l.  
: T : **FUNG 1** AF: Amistar at 0.60 l with Opus at 0.30 l in  
220 l.  
: T : **FUNG 1** KF: Landmark at 0.75 l in 220 l.  
28-Apr-98 : B : 34.5% N at 460 kg.  
: B : Tripart Brevis at 2.25 l in 200 l.  
21-May-98 : T : **EXTRA** -: Opus at 0.70 l in 220 l.

98/R/WW/13

**Experimental diary:**

21-May-98 : T : FUNG 2 0: Opus at 1.0 l in 220 l.  
 : T : FUNG 2 AP39, APA: Amistar at 0.80 l with Pointer at  
 0.40 l in 220 l.  
 01-Jun-98 : T : FUNG 2 AP55: Amistar at 0.80 l with Pointer at 0.40 l  
 in 220 l.  
 12-Jun-98 : T : EXTRA -: Plover 250 EC at 0.20 l in 220 l.  
 : T : FUNG 2 APA: Amistar at 0.40 l in 220 l.  
 19-Aug-98 : T : Combine harvested.

Previous crops: Set-aside 1996, w. and s. beans and lupins 1997.

**GRAIN TONNES/HECTARE**

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

| FUNG 2        | AP39  | AP55  | APA   | O    | Mean  |
|---------------|-------|-------|-------|------|-------|
| <b>FUNG 1</b> |       |       |       |      |       |
| AF            | 9.45  | 10.28 | 10.28 | 9.35 | 9.84  |
| KF            | 9.85  | 10.15 | 11.15 | 9.82 | 10.24 |
| AKH           | 10.16 | 10.14 | 9.99  | 9.42 | 9.93  |
| Mean          | 9.82  | 10.19 | 10.48 | 9.53 | 10.00 |
| <b>EXTRA</b>  | 9.49  |       |       |      |       |

Grand mean 9.96

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

| FUNG 1 | FUNG 2 | FUNG 1<br>FUNG 2<br>& EXTRA |
|--------|--------|-----------------------------|
| 0.277  | 0.320  | 0.554                       |

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

| Stratum  | d.f. | s.e.  | cv% |
|----------|------|-------|-----|
| BLOCK.WP | 24   | 0.679 | 6.8 |

GRAIN MEAN DM% 88.5

PLOT AREA HARVESTED 0.00230