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## Yields of the Field Experiments 1999

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### 99/R/WW/8 Strobilurins and Disease - W. Wheat

#### Rothamsted Research

Rothamsted Research (2000) *99/R/WW/8 Strobilurins and Disease - W. Wheat* ; Yields Of The Field Experiments 1999, pp 124 - 126 - DOI: <https://doi.org/10.23637/ERADOC-1-34>

99/R/WW/5

**Experimental diary:**

06-May-99 : B : : Starane 2 at 1.0 l in 200 l.  
27-May-99 : B : : tm)Opus at 0.75 l in 200 l.  
: B : : tm)Sipcam UK Rover 500 at 1.0 l in 200 l.  
23-Aug-99 : P : : Combine harvested.

Previous crops: W. wheat 1997, set-aside 1998

**GRAIN TONNES/HECTARE**

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

**SEMICHEM**

-	10.46
A	10.49
B	10.88
C	10.20
D	10.43

Mean 10.49

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

**SEMICHEM**

0.297

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

Stratum	d.f.	s.e.	cv%
ROW.COL	12	0.469	4.5

GRAIN MEAN DM% 87.1

PLOT AREA HARVESTED 0.00138

99/R/WW/8

WINTER WHEAT

STROBILURINS AND DISEASE

**Object:** To study the effects of strobilurin fungicides on take-all (*Gaeumannomyces graminis*) - Great Harpenden II.

**Sponsors:** J.F. Jenkyn, C.G. Peters, G.L. Bateman, K.L. Sykes, R.J. Gutteridge.

**Design:** 3 randomised blocks of 2 x 2 x 2 x 2.

**Whole plot dimensions:** 3.0 x 9.0.

**Treatments:** All combinations of:-

1. **AUTSPRAY**                      Autumn spray:  
  
    E-                                None  
    ES                                Applied
2. **SPRSPRAY**                    Spring spray:  
  
    M-                                None  
    MS                                Applied
3. **SUMSPRAY**                    Summer spray:  
  
    L-                                None  
    LS                                Applied
4. **FUNGCHEM**                    Fungicide:  
  
    AZ                                Amistar at 1.0 l in 220 l  
    KM                                Landmark at 1.0 l in 220 l

**NOTE:** Landmark contains epiconazole, to balance fungicides Opus at 1.0 l in 220 l was applied to AZ, M- and L- plots. Opus was not applied with the autumn application (E-).

**Experimental diary:**

19-Aug-98 : B :                    : Shakerated.  
20-Aug-98 : B :                    : Ploughed and furrow pressed, started.  
21-Aug-98 : B :                    : Ploughed and furrow pressed, completed.  
29-Sep-98 : B :                    : tm)PDQ at 3.0 l in 200 l.  
            : B :                    : tm)Enhance at 200 ml in 200 l.  
13-Oct-98 : B :                    : Combination drilled, Hereward, tr. Sibutol, at 380  
  seeds/m<sup>2</sup> with the Accord drill.  
            : B :                    : Hardy at 7.5 kg.  
07-Jan-99 : T : ES AZ                : Autumn spray applied  
            : T : ES KM                : Autumn spray applied  
16-Mar-99 : B :                    : 34.5% N at 145 kg.  
            : B :                    : tm)Hawk at 2.0 l in 200 l.  
            : B :                    : tm)Panther at 1.25 l in 200 l.  
            : B :                    : tm)Cropoil at 1.0 l in 200 l.  
14-Apr-99 : B :                    : 34.5% N at 435 kg.  
19-Apr-99 : T : M-                    : Opus at 1.0 l in 220 l.  
            : T : MS AZ                : Spring spray applied.  
            : T : MS KM                : Spring spray applied.

99/R/WW/8

**Experimental diary:**

26-May-99 : T : L- : Opus at 1.0 l in 220 l.  
 : T : LS AZ : Summer spray applied.  
 : T : LS KM : Summer spray applied.  
 23-Jul-99 : B : : Alpha Glyphogan at 4.0 l in 200 l.  
 03-Aug-99 : B : : Combine harvested.

Previous crops: W. wheat 1997, w. wheat 1998.

**GRAIN TONNES/HECTARE**

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

<b>AUTSPRAY</b>	E-	ES	Mean
<b>FUNGCHEM</b>			
AZ	7.38	8.46	7.92
KM	7.52	7.55	7.54
Mean	7.45	8.00	7.73

<b>SPRSPRAY</b>	M-	MS	Mean
<b>FUNGCHEM</b>			
AZ	7.70	8.13	7.92
KM	7.53	7.54	7.54
Mean	7.62	7.84	7.73

<b>SPRSPRAY</b>	M-	MS	Mean
<b>AUTSPRAY</b>			
E-	7.22	7.68	7.45
ES	8.02	7.99	8.00
Mean	7.62	7.84	7.73

<b>SUMSPRAY</b>	L-	LS	Mean
<b>FUNGCHEM</b>			
AZ	7.81	8.02	7.92
KM	7.37	7.70	7.54
Mean	7.59	7.86	7.73

<b>SUMSPRAY</b>	L-	LS	Mean
<b>AUTSPRAY</b>			
E-	7.25	7.65	7.45
ES	7.93	8.08	8.00
Mean	7.59	7.86	7.73

<b>SUMSPRAY</b>	L-	LS	Mean
<b>SPRSPRAY</b>			
M-	7.60	7.63	7.62
MS	7.58	8.09	7.84
Mean	7.59	7.86	7.73