

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 1999

[Full Table of Content](#)



---

### 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