

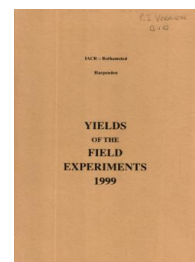
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99/R/WW/12 Fungicidal and Physiological Activity of Strobilurins on Winter Wheat

Rothamsted Research

Rothamsted Research (2000) *99/R/WW/12 Fungicidal and Physiological Activity of Strobilurins on Winter Wheat* ; Yields Of The Field Experiments 1999, pp 129 - 130 - **DOI:**

<https://doi.org/10.23637/ERADOC-1-34>

99/R/WW/9

GRAIN TONNES/HECTARE

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

SEEDRATE SEEDTRT	R1	R2	R3	Mean
S	7.35	7.83	8.17	7.78
B	8.00	7.64	8.61	8.09
J	8.46	8.27	8.87	8.53
Mean	7.94	7.92	8.55	8.13

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

SEEDTRT	SEEDRATE	SEEDTRT SEEDRATE
0.256	0.256	0.444

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	26	0.628	7.7

GRAIN MEAN DM% 88.7

PLOT AREA HARVESTED 0.00227

99/R/WW/12

WINTER WHEAT

FUNGICIDAL AND PHYSIOLOGICAL ACTIVITY OF STROBILURINS ON WINTER WHEAT

Object: To compare the effects of two strobilurin fungicides on yield, grain quality, disease control, green area duration and nitrogen translocation - Little Hoos.

Sponsors: C.G. Peters, E. Stockdale, I.F. Shield, J.F. Jenkyn, J.W. Cussans, P.B. Barraclough.

Design: 4 randomised blocks of 6 plots.

Whole plot dimensions: 3.0 x 20.0.

Treatments:

FUNGICIDE	Fungicide applied at growth stage (GS) 32 repeated at GS39:
-	None
OC	Opus and Corbel
E	Ensign
AC	Amistar and Corbel
M	Mantra
AOC	Amistar with Opus and Corbel

Experimental diary:

11-Sep-98 : B : : Ploughed and furrow pressed, started.
14-Sep-98 : B : : Ploughed and furrow pressed, completed.
19-Sep-98 : B : : Rotary harrowed.
22-Sep-98 : B : : Tiger 90 at 15 kg.
23-Sep-98 : B : : Combination drilled, Hereward, tr. Beret Gold, at 300 seeds/m² with the Accord drill.
25-Sep-98 : B : : Rolled.
09-Mar-99 : B : : tm)Isoguard at 1.0 l in 200 l.
: B : : tm)Unite A at 0.125 l and Unite B at 1.0 l in 200 l.
: B : : tm)Cropoil at 1.0 l in 200 l.
16-Mar-99 : B : : 34.5% N at 145 kg.
14-Apr-99 : B : : 34.5% N at 435 kg.
19-Apr-99 : T : AC : Amistar at 1.0 l with Corbel at 0.33 l in 220 l.
: T : AOC : Amistar at 1.0 l with Opus at 1.0 l and Corbel at 0.33 l in 220 l.
: T : E : Ensign at 0.83 l in 220 l.
: T : M : Mantra at 1.0 l with Corbel at 0.13 l in 220 l.
: T : OC : Opus at 1.0 l with Corbel at 0.33 l in 220 l.
19-May-99 : B : : tm)Sypex at 1.5 l in 200 l.
: B : : tm)Enhance at 80 ml in 200 l.
27-May-99 : T : AC : Amistar at 1.0 l with Corbel at 0.33 l in 220 l.
: T : AOC : Amistar at 1.0 l with Opus at 1.0 l and Corbel at 0.33 l in 220 l.
: T : E : Ensign at 0.83 l in 220 l.
: T : M : Mantra at 1.0 l with Corbel at 0.13 l in 220 l.
: T : OC : Opus at 1.0 l with Corbel at 0.33 l in 220 l.
06-Aug-99 : B : : Combine harvested.

Previous crops: W. rape and turnip rape 1997, w. oats 1998.