

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 1998

[Full Table of Content](#)



98/R/WW/12 Foliar Sprays and Take-all - W. Wheat

Rothamsted Research

Rothamsted Research (1999) *98/R/WW/12 Foliar Sprays and Take-all - W. Wheat* ; Yields Of The Field Experiments 1998, pp 131 - 132 - DOI: <https://doi.org/10.23637/ERADOC-1-52>

98/R/WW/12

WINTER WHEAT

FOLIAR SPRAYS AND TAKE-ALL

Object: To test the efficacy of a novel material on the control of take-all (*Gaeumannomyces graminis*) in w. wheat - Highfield IV/Road Piece East.

Sponsors: J.F. Jenkyn, R. Gutteridge.

Design: 4 randomised blocks of 5 plots.

Whole plot dimensions: 3.0 x 10.0.

Treatments:

TREATMNT

-	None
ST	CGA 245704 seed treatment
SA	CGA 245704 foliar spray 12-Nov-97
SE	CGA 245704 foliar spray 25-Feb-98
SL	CGA 245704 foliar spray 31-May-98

NOTE: CGA 245704 is under commercial development, composition disclosed in confidence.

Experimental diary:

17-Sep-97 : B : Scythe LC at 3.0 l with Vassgro Non Ionic at 100 ml in 200 l.
24-Sep-97 : B : Ploughed and furrow pressed.
30-Sep-97 : B : Rotary harrowed, Hereward, dressed as treatment, drilled at 400 seeds per m².
12-Nov-97 : T : **TREATMNT** SA: CGA 245704 at 60 g in 200 l.
06-Jan-98 : B : Atlas Fieldgard at 2.6 l with Stomp 400 SC at 3.3 l in 200 l.
13-Feb-98 : B : 34.5% N at 116 kg. Grasp at 1.4 l with Isoguard at 2.0 l and Output at 0.75 l in 200 l.
25-Feb-98 : T : **TREATMNT** SE: CGA 245704 at 60 g in 200 l.
31-Mar-98 : T : **TREATMNT** SL: CGA 245704 at 60 g in 200 l.
28-Apr-98 : B : 34.5% N at 400 kg.
08-May-98 : B : Ally at 20 g with Starane 2 at 0.5 l in 200 l.
11-Aug-98 : B : Combine harvested.

Previous crops: W. wheat 1996, w. wheat and barley 1997.

NOTE: Plant samples were taken in November, March and June to assess root and stem base diseases.

98/R/WW/12

GRAIN TONNES/HECTARE

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

TREATMNT

-	7.63
ST	6.86
SA	7.64
SE	7.01
SL	7.59
Mean	7.34

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

TREATMNT

0.706

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	12	0.998	13.6
GRAIN MEAN DM%	89.8		
PLOT AREA HARVESTED	0.00229		