

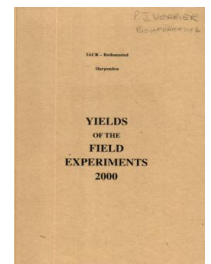
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 2000

[Full Table of Content](#)



00/R/WW/7 Septoria Leaf Blotch on Winter Wheat

Rothamsted Research

Rothamsted Research (2001) *00/R/WW/7 Septoria Leaf Blotch on Winter Wheat ; Yields Of The Field Experiments 2000*, pp 124 - 125 - DOI: <https://doi.org/10.23637/ERADOC-1-55>

00/R/WW/7

WINTER WHEAT

SEPTORIA LEAF BLOTCH ON WINTER WHEAT

Object: To study the role of wind-dispersed ascospores and splash-dispersed conidia in the epidemiology of septoria leaf blotch on winter wheat - Harwoods Piece

Sponsors: A.H. Rajasab, B.D.L. Fitt, W.Z. Tan.

Design: 3 randomised blocks of 2 x 2 x 2 plots

Whole plot dimensions: 3.0 x 15.0.

Treatments: All combinations of:-

1. **GS32** Fungicides at growth stage 32:
 - 32- Flutriafol
 - 32S Azoxystrobin with flutriafol
2. **GS39** Fungicides at growth stage 39:
 - 39- Flutriafol
 - 39S Azoxystrobin with flutriafol
3. **SEEDTRT** Seed treatment:
 - None
 - F Fluquinconazole

Experimental diary:

22-Jul-99 : B : : Ploughing and furrow pressing started.
 23-Jul-99 : B : : Ploughing and furrow pressing completed.
 08-Sep-99 : T : - : Combination drilled, Riband, recleaned, at 200 seeds/m² with the Accord drill.
 : T : F : Combination drilled, Riband, tr. fluquinconazole, at 200 seeds/m² with the Accord drill.
 : B : : Rolled.
 22-Sep-99 : B : : Genesis at 5.0 kg.
 15-Oct-99 : B : : tm)Lexus 50 DF at 20 g in 200 l.
 : B : : tm)Stomp 400 SC at 2.5 l in 200 l.
 : B : : tm)Cyberkill 10 at 250 ml in 200 l.
 10-Mar-00 : B : : 34.5% N at 145 kg.
 25-Apr-00 : B : : tm)BASF 3C Chlormequat 720 at 2.0 l in 200 l.
 : B : : tm)Moddus at 0.2 l in 200 l.
 27-Apr-00 : T : 32- : Pointer at 1.0 l in 220 l.
 : T : 32S : tm)Amistar at 0.6 l with Pointer at 1.0 l in 220 l.
 04-May-00 : B : : 34.5% N at 435 kg.
 10-May-00 : B : : Plantvax 20 at 2.0 l in 100 l.
 20-May-00 : T : 39- : Pointer at 1.0 l in 220 l.
 : T : 39S : tm)Amistar at 0.8 l with Pointer at 1.0 l in 220 l.
 16-Aug-00 : B : : Combine harvested.

Previous crops: W. barley 1998, set-aside 1999.

00/R/WW/7

NOTE: Samples were taken weekly from April to July to record the development of *tritici* leaf blotch.

GRAIN TONNES/HECTARE

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

GS32	32-	32S	Mean
SEEDTRT			
-	7.93	9.48	8.70
F	7.38	8.68	8.03
Mean	7.66	9.08	8.37
GS39	39-	39S	Mean
SEEDTRT			
-	7.89	9.52	8.70
F	6.89	9.18	8.03
Mean	7.39	9.35	8.37
GS39	39-	39S	Mean
GS32			
32-	6.68	8.63	7.66
32S	8.10	10.06	9.08
Mean	7.39	9.35	8.37
SEEDTRT	GS39	39-	39S
-	GS32		
	32-	7.18	8.68
	32S	8.60	10.36
F	32-	6.19	8.58
	32S	7.60	9.77

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

SEEDTRT	GS32	GS39	SEEDTRT
			GS32
0.189	0.189	0.189	0.267
SEEDTRT	GS32	SEEDTRT	
GS39	GS39	GS32	
		GS39	
0.267	0.267	0.378	

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	14	0.463	5.5
GRAIN MEAN DM%	85.8		
PLOT AREA HARVESTED	0.00360		