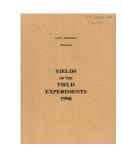
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# Yields of the Field Experiments 1998



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## 98/R/BW/2 Seed Treatments and Winter Barley - W. Barley

#### **Rothamsted Research**

Rothamsted Research (1999) 98/R/BW/2 Seed Treatments and Winter Barley - W. Barley; Yields Of The Field Experiments 1998, pp 137 - 138 - DOI: https://doi.org/10.23637/ERADOC-1-52

#### 98/R/BW/2

#### WINTER BARLEY

#### SEED TREATMENTS AND WINTER BARLEY

**Object:** To investigate the effects of seed treatment fungicides on a site not at risk from take-all (*Gaeumannomyces graminis*) - Appletree.

Sponsors: G.L. Bateman, J.F. Jenkyn, R.J. Gutteridge.

Design: 4 randomised blocks of 14 plots.

Whole plot dimensions:  $3.0 \times 10.0$ .

#### Treatments:

SEEDFUNG		Seed dre	essing an	nd/o	or fo	olia	ar fi	ungicidal :	spr	ays	:	
	-	None										
	-F1F2	Undress	ed, fung	icio	de a	t gi	rowth	n stage (G	S)	30-1	31 and	GS 39
	8R1	Dressed	CR21528	at	200	ml						
	8R1F2	Dressed	CR21528	at	200	ml	and	fungicide	at	GS	39	
	8R1F1F2	Dressed	CR21528	at	200	ml	and	fungicide	at	GS	30-31	and
		GS 3	9									
	8R2	Dressed	CR21528	at	300	ml						
	8R3	Dressed	CR21528	at	450	ml						
	8R3F2	Dressed	CR21528	at	450	ml	and	fungicide	at	GS	39	
	8R3F1F2	Dressed	CR21528	at	450	ml	and	fungicide	at	GS	30-31	and
		GS 3	9									
	9R1	Dressed	CR21529	at	200	ml						
	9R2	Dressed	CR21529	at	300	ml						
	9R3	Dressed	CR21529	at	450	ml						
	FX	Dressed	Ferrax									
	FXF1F2	Dressed	Ferrax a	and	fung	gici	ide a	at GS 30-33	1 a	nd (	GS 39	

NOTE: CR21528 and CR21529 are under commercial development, composition disclosed in confidence.

#### Experimental diary:

04-May-98 : B : Grasp at 1.0 l with Output at 1.0 l in 200 l.

#### 98/R/BW/2

#### Experimental diary:

12-May-98 : T : SEEDFUNG -F1F2, 8R1F2, 8R1F1F2, 8R3F2, 8R3F1F2, FXF1F2:
Opus Team at 1.5 l in 220 l.

21-Jul-98 : B : Combine harvested.

Previous crops: Lupins 1996, linseed 1997.

NOTES: (1) Plant samples were taken in December, February, May and June for disease assessments, plant counts and dry weights were also taken in February.

(4) Because of a harvesting error, the yield of one plot with SEEDFUNG FXF1F2 was lost. An estimated value was used in the analysis.

### GRAIN TONNES/HECTARE

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

#### SEEDFUNG

-	4.81
-F1F2	6.66
8R1	5.00
8R1F2	6.62
8R1F1F2	6.68
8R2	5.34
8R3	5.01
8R3F2	6.40
8R3F1F2	7.12
9R1	5.14
9R2	4.87
9R3	5.26
FX	4.49
FXF1F2	6.97
Mean	5.74

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

#### SEEDFUNG

0.320

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

 Stratum
 d.f.
 s.e.
 cv%

 BLOCK.WP
 38
 0.452
 7.9

GRAIN MEAN DM% 88.0

PLOT AREA HARVESTED 0.00229