



PROJECT REPORT No. 185

**RESPONSE OF WINTER
WHEAT AND WINTER BARLEY
VARIETIES TO STROBILURIN
FUNGICIDES**

APRIL 1999

Price £ 10.00



**RESPONSE OF WINTER WHEAT AND WINTER BARLEY VARIETIES
TO STROBILURIN FUNGICIDES**

by

R A BAYLES

NIAB, Huntingdon Road, Cambridge, CB3 0LE

This is the final report of a fourteen month project which started in September 1997. The work was funded by HGCA (project no. 2004 - £37,826), Zeneca (£18,913), BASF (£18,913) and the NIAB Association (£8,000).

The Home-Grown Cereals Authority (HGCA) has provided funding for this project but has not conducted the research or written this report. While the authors have worked on the best information available to them, neither HGCA nor the authors shall in any event be liable for any loss, damage or injury howsoever suffered directly or indirectly in relation to the report or the research on which it is based.

Reference herein to trade names and proprietary products without stating that they are protected does not imply that they may be regarded as unprotected and thus free for general use. No endorsement of named products is intended nor is any criticism implied of other alternative, but unnamed products.

CONTENTS

	Page
ABSTRACT	1
BACKGROUND	2
AIMS	3
METHODS	3
RESULTS	7
CONCLUSIONS	10
Tables 4a & 4b Over-trials analyses of grain yield	12
Figures 1-6	16
APPENDIX 1A Winter Wheat Site Data and Fungicide Application Details	20
APPENDIX 1B Winter Barley Site Data and Fungicide Application Details	25
APPENDIX 2A Winter Wheat Yields	30
APPENDIX 2B Winter Barley Yields	33
APPENDIX 3A Disease And Agronomic Data - Wheat	36
APPENDIX 3B Disease And Agronomic Data - Barley	91



ABSTRACT

Until the introduction of the strobilurin fungicides in the late 1990s, cereal disease control had been almost entirely dependent on 'conventional' fungicides in the DMI and morpholine groups of chemistry. Although there was evidence of substantial increases in yield resulting from the use of strobilurins, very little was known about the interaction of varieties of wheat and barley with the new chemistry. This project addressed the question of whether all varieties are likely to benefit equally from strobilurins or whether some are likely to benefit more than others and looked at the implications for the evaluation of varieties in Recommended List trials.

Five winter wheat and five winter barley trials were grown at widely distributed sites in England and Wales in 1998. In each trial, six fungicide programmes were applied to ten contrasting varieties. Two of the programmes were based entirely on conventional fungicides, one of these being the programme used by NIAB in Recommended List trials that year. The other four programmes were based on strobilurin fungicides, in combination with conventionals.

In wheat there was evidence of improved control of *Septoria tritici* where strobilurins were included in the programme. In addition, the strobilurin fungicide Amistar gave good control of certain pathogens on the ear, in particular *Septoria nodorum*, the cause of glume blotch and *Microdochium nivale*. In the barley trials, strobilurins improved the control of Net blotch, but were generally less effective against *Rhynchosporium*. Strobilurin-based programmes tended to increase the percentage of the leaf area remaining green. This effect, which was apparently partly independent of disease control, was not detected until around GS75 and then mainly in the lower leaf layers.

The average yield benefit from strobilurin-based programmes compared with conventional programmes was 1.20 t/ha for wheat and 0.44 t/ha for barley. There was a positive response from all varieties, ranging from 0.77 t/ha to 1.61 t/ha in wheat and from 0.19 t/ha to 0.85 t/ha in barley.

For winter wheat, the benefit of strobilurins was least for low yielding varieties with good resistance to disease, in particular to *Septoria tritici*. In the case of winter barley, varieties with susceptibility to Net blotch showed a particularly large benefit from strobilurins. The relative yield of varieties differed slightly depending on whether or not strobilurins were included in the fungicide programme. It is concluded that if strobilurins were to be introduced into the fungicide programmes used in Recommended List trials, there would be changes in the ranking of varieties in order of fungicide-treated yield. However, these changes are likely to be relatively minor and the evidence supports the view that varieties are unlikely to move from the lower part of the ranking to the upper part, or vice versa

BACKGROUND

Until 1997, cereal disease control in the UK had been based almost entirely on DMI and morpholine fungicides, which had been in use since the early 1980s. Although there had been a steady improvement in the efficacy of chemicals in these groups, no alternative modes of action had been available for broad-spectrum control.

With the registration of the first strobilurin fungicides in 1997, options for disease control increased. Strobilurins represent a completely new class of fungicide chemistry, combining a novel mode of action with new mechanisms of uptake and translocation within the plant. In addition to their good fungicidal activity, it is believed that strobilurins may have a non disease-related beneficial effect on the maintenance of green leaf area. Substantial yield increases of 10-20 percent above those achieved by conventional chemistry have been recorded as a result of using strobilurins.

Very little is known about the interactions between cereal varieties and strobilurins, although there have been suggestions that some varieties with low response to conventional fungicides may respond particularly well to strobilurins. The yield potential of varieties and their 'responsiveness' to fungicide treatment will need to be re-evaluated to take account of the strobilurins, so that farmers can make their choice of variety and plan their fungicide inputs accordingly.

The widespread use of strobilurins on the farm will have important implications for the way in which UK Recommended List variety trials are conducted. Serious consideration will have to be given to including these new generation fungicides in the standard programmes under which varieties are grown in 'treated' trials. It is clearly important that the conditions under which varieties are evaluated in trials should reflect good current farm practice. However, it is equally important that changes to the testing system should only be introduced in the light of sound evidence on the way in which varieties interact with the strobilurins.

AIMS

The aim of the project was to compare the performance of winter wheat and winter barley varieties grown with strobilurin-based fungicide programmes with their performance when grown with programmes based entirely on conventional fungicides. The main areas to be investigated were disease control, green leaf area maintenance and yield response.

METHODS

Five winter wheat and five winter barley trials were grown during the 1997/98 season at locations covering a wide geographic range and varied disease pressures. The trials sites were:

Winter Wheat:

Cockle Park (Northumberland)
 Morley (Norfolk)
 Bridgets (Hants)
 Wye (Kent)
 Usk (Monmouth)

Winter barley:

Headley Hall (N.Yorks)
 Morley (Norfolk)
 Bridgets (Hants)
 Harper Adams (Shropshire)
 Seale-Hayne (Devon)

The trials included 10 varieties, selected from the Recommended Lists to represent a range of disease resistance and responsiveness to the conventional fungicide programme used in Recommended List trials.

Winter wheat varieties	Disease resistance						
	Yield (T)	Response (T-U)	Mildew	Y. rust	B. rust	S. tritici	S. nodorum
Brigadier	103	27	5	1	9	4	4
Buster	100	20	4	9	2	5	7
Consort	103	24	6	9	6	4	6
Equinox	103	18	5	5	9	5	6
Hereward	93	13	6	7	7	6	6
Rialto	102	16	7	5	5	5	5
Riband	101	28	6	6	3	3	5
Savannah	107	24	8	5	9	4	5
Soissons	94	15	8	7	2	6	5
Spark	93	15	7	8	8	7	7

Winter barley varieties	Yield (T)	Response (T-U)	Disease resistance			
			Mildew	B. rust	Rhynchosporium	Net blotch
Angora	98	18	6	3	7	5
Fanfare	102	17	5	7	8	7
Fighter	99	16	8	6	5	7
Gleam	99	18	6	6	7	4
Halcyon	93	18	6	6	5	8
Intro	101	17	6	7	5	7
Jewel	103	16	7	7	8	6
Manitou	105	18	5	4	8	4
Pipkin	94	22	2	6	4	8
Regina	105	20	3	6	7	8

In each trial there were six fungicide treatments and an untreated (Table 1). All treatments, except E, were designed as robust programmes capable of providing good control of disease in the most susceptible varieties grown in a wide range of different situations and disease pressures. The 'economic' programme E was designed by the individual trials managers to meet the local disease pressures. Treatments T and E used only 'conventional' fungicides, T being the standard NIAB programme used in variety trials in 1998. In treatment S1 one of the conventional sprays of the T programme was replaced by a strobilurins. S2, S3 and S4 were full 3-strobilurin (wheat) or 2-strobilurin (barley) programmes. The two strobilurin fungicides used were Azoxystrobin (as Amistar and in Amistar Pro) and Kresoxim-methyl (in Landmark).

Trials were designed as split plots with three replicates. Fungicide treatments were allocated to main plots and varieties to sub-plots. Plot size varied from trial to trial within the range 12m x 2m to 20m x 2m.

General husbandry was in accordance with local good farm practice. Growth regulator was applied uniformly across all fungicide treatments, including the untreated (U). For wheat, the growth regulator programme was 2.5 l/ha New 5C Cycocel at GS30, followed by 1.0 l/ha *Terpal + wetter at GS 33-37. For barley, the programme was 2.5 l/ha New 5C Cycocel at GS25-30 followed by 1.0 l/ha *Terpal + wetter at GS 33-37. On sites of high yield potential where stress was judged to be unlikely at the time of application the rate of Terpal could be increased to 1.5 l/ha and the Cycocel application to wheat split 1.75 l/ha at GS23-29 and 0.75 l/ha at GS 30-31.

Table 1. Fungicide programmes for winter wheat and winter barley trials

Winter Wheat

	<u>GS31</u>	<u>GS39</u>	<u>GS59</u>
U	Untreated		
T	Bravo 1.0 l/ha Sportak Delta 1.25 l/ha) Patrol 0.5 l/ha	Opus Team 1.5 l/ha	Folicur 0.75 l/ha <i>Patrol 0.5 l/ha</i>
E	Economic - local decision, without strobilurins (Appendix 1A)		
S1	Bravo 1.0 l/ha Sportak Delta 1.25 l/ha Patrol 0.5 l/ha	Landmark 0.5 l/ha Amistar 0.5 l/ha	Folicur 0.75 l/ha <i>Patrol 0.5 l/ha</i>
S2	Amistar Pro 1.5 l/ha Pointer 0.5 l/ha	Amistar Pro 1.0 l/ha Opus 0.5 l/ha	Amistar 1.0 l/ha
S3	Landmark 1.0 l/ha	Landmark 1.0 l/ha	Amistar 0.5 l/ha
S4	Landmark 0.75 l/ha	Landmark 0.5 l/ha Amistar 0.5 l/ha	Amistar 0.5 l/ha

Winter Barley

	<u>GS31</u>	<u>GS39-45</u>	<u>GS49</u>
U	Untreated		
T*	Opus 1.0 l/ha Bavistin DF 500 g/ha Corbel 0.5 l/ha	Opus Team 1.5 l/ha	
E	Economic - local decision , without strobilurins (Appendix 1B)		
S1	Landmark 0.5 l/ha Amistar 0.5 l/ha		Opus Team 1.5 l/ha
S2	Amistar Pro 2.0 l/ha		Amistar Pro 1.5 l/ha
S3	Landmark 1.0 l/ha		Landmark 0.5 l/ha
S4	Amistar 0.75 l/ha Corbel 0.5 l/ha		Landmark 0.5 l/ha

* plus autumn spray Tilt 0.5 l/ha + Calixin 0.5 l/ha

Foliar diseases were assessed at critical stages throughout the trials. These included assessments immediately before each spray was due and at GS75. Assessments prior to GS37 were made using the NIAB whole plot assessment key. From GS37 onwards assessments were made on individual leaf layers i.e. flag, leaf 2, leaf 3 and leaf 4 separately, using an appropriate leaf area key as guidance. Ear diseases were assessed at GS75-80 and stem-base diseases at GS70-75. The percentage leaf area remaining green was assessed at GS59-60 and again at around GS75.

Lodging, leaning and brackling were assessed at GS75 and at harvest.

Plots were combine harvested for yield determination and grain samples taken for dry matter determination by oven drying.

All site and spray applications details are given in Appendix 1A and Appendix 1B.

RESULTS

Disease control and Green Leaf Area

1998 was a season of high disease pressure and, with the exception of the barley trial at Headley Hall, untreated plots were severely infected by two or more foliar diseases in all trials. Tables 2 and 3 give an indication of disease severity in each trial. Individual disease assessments are tabulated in Appendix 3A and Appendix 3B.

Table 2. Severity of disease in winter wheat trials

(blank = absent * = slight ** = moderate *** = severe **** = very severe)

	Bridgets	Cockle Park	Gwent	Morley	Wye
Mildew	***		*		*
Yellow rust	***	****	**	****	****
Brown rust	**	***		***	****
S. tritici	****	****	****	***	***
S. nodorum glume blotch	****	*	****		***
Fusarium ear blight	*		****		
Eyespot			***	***	

Table 3. Severity of disease in winter barley trials

(blank = absent * = slight ** = moderate *** = severe **** = very severe)

	Bridgets	Headley Hall	Harper Adams	Morley	Seale-Hayne
Mildew		***	****		
Brown rust	**		****	****	**
Rhynchosporium	****		****	****	****
Net blotch	*		**	*	

Wheat

All programmes, including the 'economic' programmes, achieved excellent control of both yellow rust and brown rust. The Cockle Park trial was the only one in which yellow rust developed in some treated plots late in the season. Here the strobilurin programmes S2, S3 and S4 remained free from the disease.

The degree of control of *Septoria tritici* varied between trials. In the Wye trial, all programmes gave virtually complete control of the disease. Elsewhere there was a tendency for strobilurin programmes to give better control of *S. tritici* than the conventional programmes. The S3 programme performed well at all sites, while the S1 programme tended to be more similar to the conventional T programme. The relative performance of S2 and S4 varied.

Septoria nodorum glume blotch was present in three trials. At Cockle Park the disease was controlled equally by all programmes. At Gwent and Wye programmes S2, S3 and S4, those incorporating an Amistar ear spray, achieved better control than the conventional programmes and S1.

A severe infection of 'Fusarium ear blight', caused predominantly by *Microdochium nivale*, developed in the Gwent trial. This was extremely effectively controlled by the same three programmes i.e. S2, S3 and S4.

Eyespot control at Gwent was poor, but the conventional T programme and S1, both of which included Sportak at GS31/32, gave slightly better control than the other programmes.

Assessments of green leaf area between GS75 and GS80 indicated that programmes containing strobilurins increased the percentage of the leaf area remaining green in the lower canopy (leaves 3 and 4) compared with programmes based on conventional chemistry (Figure 1). Part of this difference was clearly attributable to superior control of *S. tritici*, but there was evidence in some trials that the increase in green leaf area was greater than could be explained by disease control alone (example shown in Figure 2).

Barley

Mildew reached significant levels in only two trials, at Harper Adams and Headley Hall, where it was well controlled by all fungicide programmes. Brown rust control was inconsistent and the relative efficacy of the fungicide programmes varied between trials.

The full conventional programme T generally provided the best control of *Rhynchosporium* whereas the strobilurin-based programmes had an advantage in terms of Net blotch control.

On average, strobilurin programmes were more effective than conventional programmes in increasing percentage green leaf area at GS 75 (Figure 3), although at Bridgets, the full conventional programme T was as effective as the best strobilurin programme. Effects on green leaf area were largely related to disease control, although there was evidence in some trials that the increase in green leaf area was greater than could be explained by disease control alone (example shown in Figure 4).

Lodging

Data on lodging, leaning and brackling are given in Appendix 3A and Appendix 3B.

Lodging was not a significant factor in the wheat trials. It was recorded only at Gwent, where it was largely restricted to one variety, Soissons.

Moderate lodging was recorded in the barley trials at Headley Hall and Morley. At Headley Hall lodging was most severe in the untreated plots, due to a failure to apply growth regulator. At Morley the varieties Gleam, Halcyon and Pipkin lodged most severely, but there was no consistent effect of fungicide treatment.

Yield

Grain yields are given for each trial separately in Appendix 2A and Appendix 2B. A combined over-trials analysis is shown in Tables 4a and 4b (the analysis of the wheat trials excludes the Morley trial, which was oversprayed by Landmark at GS39).

Wheat

Analysis of variance of individual trial results revealed highly significant effects of fungicide treatment and variety in all trials, together with highly significant variety x treatment interactions.

In all trials, yield was increased significantly by all six fungicide treatments. Programmes S2, S3 and S4, those with a strobilurin component at all three applications, gave significantly higher yields than the conventional T programme. The S1 programme, with strobilurin at GS39 only, tended to give yields similar to T or intermediate between T and the three-strobilurin programmes. There was a tendency for the yields from the economic conventional programme E to be lower than for the full T programme, but the difference was statistically significant only at Wye.

The over-trials analysis shows an average benefit of strobilurin programmes ('S' = mean of S2, S3, S4) over conventional programmes ('C' = mean of T, E) of 1.20 t/ha. There was a highly significant variety x treatment interaction and a significant (P=0.01) interaction between varieties and the benefit of strobilurins (S - C). Equinox, Brigadier and Buster showed relatively large, and Spark and Consort relatively small, differences between S and C.

Barley

The effects of variety and the variety x fungicide interaction were highly significant in all trials. The effect of fungicide treatment was highly significant in all but the Harper Adams trial.

In the trials at Headley Hall and Morley, all four strobilurin programmes increased yield compared with the T programme, which in turn out-yielded the E programme. No significant differences were detected between the strobilurin programmes. In contrast, at Bridgets, Harper Adams and Seale-Hayne the effects of the fungicide programmes did not differ significantly.

The over-trials analysis shows an average benefit of strobilurin programmes ('S' = mean of S1,S2,S3,S4) over conventional programmes ('C' = mean of T,E) of 0.44 t/ha. There was a highly significant variety x treatment interaction, and a highly significant interaction between varieties and the benefit of strobilurins (S - C). Manitou, Gleam and Angora showed relatively large, and Pipkin and Fighter relatively small, differences between S and C.

CONCLUSIONS

The results of these trials confirmed that strobilurin fungicides can increase the yield of winter wheat and winter barley well above the levels achieved by conventional fungicides. Programmes containing strobilurins delivered on average an additional 1.20 t/ha in winter wheat and 0.44 t/ha in winter barley. There was a positive effect on all varieties, ranging from 0.77 t/ha to 1.61 t/ha in wheat and from 0.19 t/ha to 0.85 t/ha in barley.

Two main explanations have been proposed for strobilurin-related yield increases, firstly disease-related i.e. improved disease control and secondly non disease-related i.e. direct effects on plant physiology resulting in improved maintenance of green leaf. There were clear indications in the wheat trials of improved control of *Septoria tritici* where strobilurins were included in the fungicide programme. It was also evident that the strobilurin product Amistar applied at ear emergence gave good control of certain pathogens on the ear, in particular *Septoria nodorum* and *Microdochium nivale*. In the barley trials, strobilurins improved the control of Net blotch, but were generally less effective against *Rhynchosporium*. Strobilurin-based programmes also tended to increase the percentage of the leaf area remaining green. This effect was not detected until around GS75 and then only in the lower leaf layers. It is possible however that a similar effect might have been detected on the upper leaves if later assessments had been carried out. It is difficult to conclude how much of the green leaf enhancement was due to disease control and how much, if any, was independent of disease control. The example shown in figure 2 suggests that the green leaf area increase in wheat was

largely, although not entirely, accounted for by improved control of disease, principally *Septoria tritici*. A similar example for barley (Figure 4) also points to a component of green leaf area increase that was not accounted for solely by disease control. Although some of this extra green leaf area may be due to physiological effects, there is also a possibility that strobilurins may improve the control of minor pathogens and saprophytes that accelerate leaf senescence. These are not easily identified in the field and are difficult to quantify visually.

Given the advantages that strobilurin fungicides can bring to a disease control programme it is important to establish whether all varieties benefit equally or whether some benefit more than others. A related question is whether the relative yields of varieties are likely to differ depending on whether they are grown with strobilurin or conventional fungicides. In all trials there were significant variety x treatment interactions and, more importantly, some interactions were consistent enough to be significant when the data from all trials were combined.

Amongst the wheat varieties, Equinox, Brigadier and Buster benefited most from strobilurins and Spark, Consort and Soissons least. There is no straightforward relationship between the disease resistance of these varieties and the benefit they gained from strobilurins. Although varieties in the first group are generally more disease susceptible than the second group, there are important exceptions such as Consort's susceptibility to *Septoria tritici*. Equinox, Brigadier and Buster are susceptible to mildew, but mildew was not a universal problem in the trials and, where it did occur, appeared to be equally well controlled by conventional and strobilurin programmes. Neither did the benefit of strobilurins appear to be related to potential yield (with conventional fungicides) or to responsiveness to conventional fungicides. The only generalisation that appears to apply is that varieties that are low yielding, low responders with conventional fungicides behaved in a similar way with strobilurins.

Amongst the barley varieties, Manitou, Gleam and Angora benefited most from strobilurins. These varieties are all susceptible to Net blotch and are likely to have benefited from the superior efficacy of the strobilurin programmes against this disease. At the other end of the spectrum Pipkin, which showed relatively little benefit from strobilurins is susceptible to *Rhynchosporium*, for which the strobilurins were at a disadvantage and highly susceptible to mildew, for which the strobilurin programmes gave no overall improvement in control.

Figure 5 compares the yields of wheat varieties with conventional and strobilurin treatments and the 'strobilurin benefit'. When varieties are ranked in order of yield with conventional fungicides it can be seen that there were some shifts in ranking with strobilurins, for example Consort moved down the ranking while Equinox moved up. However, shifts were relatively minor and there was no example of a variety moving from the bottom half of the ranking to the top.

The comparable diagram for barley varieties (Figure 6) reveals a similar picture, with many small, but significant, changes in ranking.

The conclusion is that all current winter wheat and winter barley varieties have the potential to benefit from strobilurin fungicides. A large part of the yield benefit

conferred by strobilurins can be accounted for by their disease control properties which complement and enhance the properties of conventional fungicides. For winter wheat, the yield advantage is likely to be smallest for low yielding varieties with good resistance to disease, in particular to *Septoria tritici*. In the case of winter barley, varieties with susceptibility to Net blotch show a particularly large benefit from strobilurins. It is therefore not surprising to find that the relative yield of varieties differs slightly depending on whether or not strobilurins are used in the fungicide programme. If strobilurins are introduced into the fungicide programmes used in Recommended List trials, some changes in the ranking of varieties according to fungicide-treated yield are therefore inevitable. However, these changes are likely to be minor and the evidence indicates that varieties are unlikely to move from the lower part of the ranking to the upper part, or vice versa.

Table 4a. Wheat: Yield of grain at 15%moisture t/ha. Mean of 4 trials (excluding Morley)

Variety	Fungicide Treatment								Means		
	U	T	E	S1	S2	S3	S4	C (T,E)	S (S2,3,4)	S-C	
Brigadier	2.43	8.98	8.98	9.49	10.42	10.70	10.46	8.98	10.53	1.55	
Buster	4.87	8.61	8.32	8.98	9.87	10.00	10.00	8.46	9.96	1.49	
Consort	5.65	9.47	9.14	9.87	10.10	10.39	10.22	9.30	10.23	0.93	
Equinox	5.96	8.99	9.15	9.69	10.68	10.87	10.49	9.07	10.68	1.61	
Hereward	6.76	8.49	8.02	8.69	9.29	9.37	9.25	8.26	9.30	1.05	
Rialto	6.35	8.90	8.68	9.18	9.86	9.80	9.77	8.79	9.81	1.02	
Riband	4.84	9.22	8.67	9.67	10.45	10.36	10.10	8.94	10.30	1.36	
Savannah	6.05	9.78	9.76	10.21	10.97	10.95	10.92	9.77	10.94	1.18	
Soissons	5.52	8.40	8.08	8.73	9.34	9.36	9.01	8.24	9.24	1.00	
Spark	6.11	8.46	8.38	8.74	9.29	9.21	9.07	8.42	9.19	0.77	
Mean	5.45	8.93	8.72	9.32	10.03	10.10	9.93	8.82	10.02	1.20	

Significance treatment effect ***

lsd treatment means = 0.170

Significance variety x treatment interaction ***

lsd treatment means within variety = 0.538

Contrast: variety x (S v V) **

lsd variety means within treatment = 0.538

lsd variety means within C = 0.380

lsd (S-C) between varieties = 1.189

lsd variety means within S = 0.310

lsd (S - C) cf 0 = 0.841

Table 4b. Barley: Yield of grain at 15% moisture t/ha. Mean of 5 trials

Variety	Fungicide Treatment								Means		
	U	T	E	SI	S2	S3	S4	C (T,E)	S (S2,3,4)	S-C	
Angora	3.89	6.25	5.85	6.85	7.07	5.99	6.63	6.05	6.64	0.59	
Fanfare	5.64	7.22	6.89	7.36	7.51	6.96	7.27	7.05	7.28	0.22	
Fighter	4.41	6.46	6.07	6.91	6.79	6.31	6.52	6.26	6.63	0.37	
Gleam	4.67	6.85	6.16	7.27	7.60	6.65	7.05	6.51	7.14	0.64	
Halcyon	4.26	6.29	5.99	6.66	6.73	6.11	6.48	6.14	6.49	0.35	
Intro	5.01	6.81	6.34	7.01	7.05	6.78	6.86	6.58	6.93	0.35	
Jewel	5.14	7.15	6.55	7.36	7.52	6.88	7.21	6.85	7.24	0.39	
Manitou	5.08	7.30	6.75	7.94	8.15	7.27	8.12	7.02	7.87	0.85	
Pipkin	4.20	6.49	5.93	6.44	6.70	6.12	6.33	6.21	6.40	0.19	
Regina	4.80	7.04	6.60	7.48	7.71	6.78	7.23	6.82	7.30	0.48	
Mean	4.71	6.79	6.31	7.13	7.28	6.59	6.97	6.55	6.99	0.44	

Significance treatment effect ***

Significance variety x treatment interaction ***

Contrast: variety x (S v C) ***

Lsd treatment means = 0.097
 Lsd treatment means within variety = 0.307
 Lsd variety means within treatment = 0.307
 Lsd variety mean within C = 0.217
 Lsd variety mean within S = 0.154
 Lsd (S - C) between varieties = 0.265
 Lsd (S - C) cf 0 = 0.187

Figure 1. Winter wheat: % green leaf area leaf 3 GS 75-80 (mean of 4 trials)
 U = Untreated C = mean of conventional treatments S = mean of strobilurin treatments

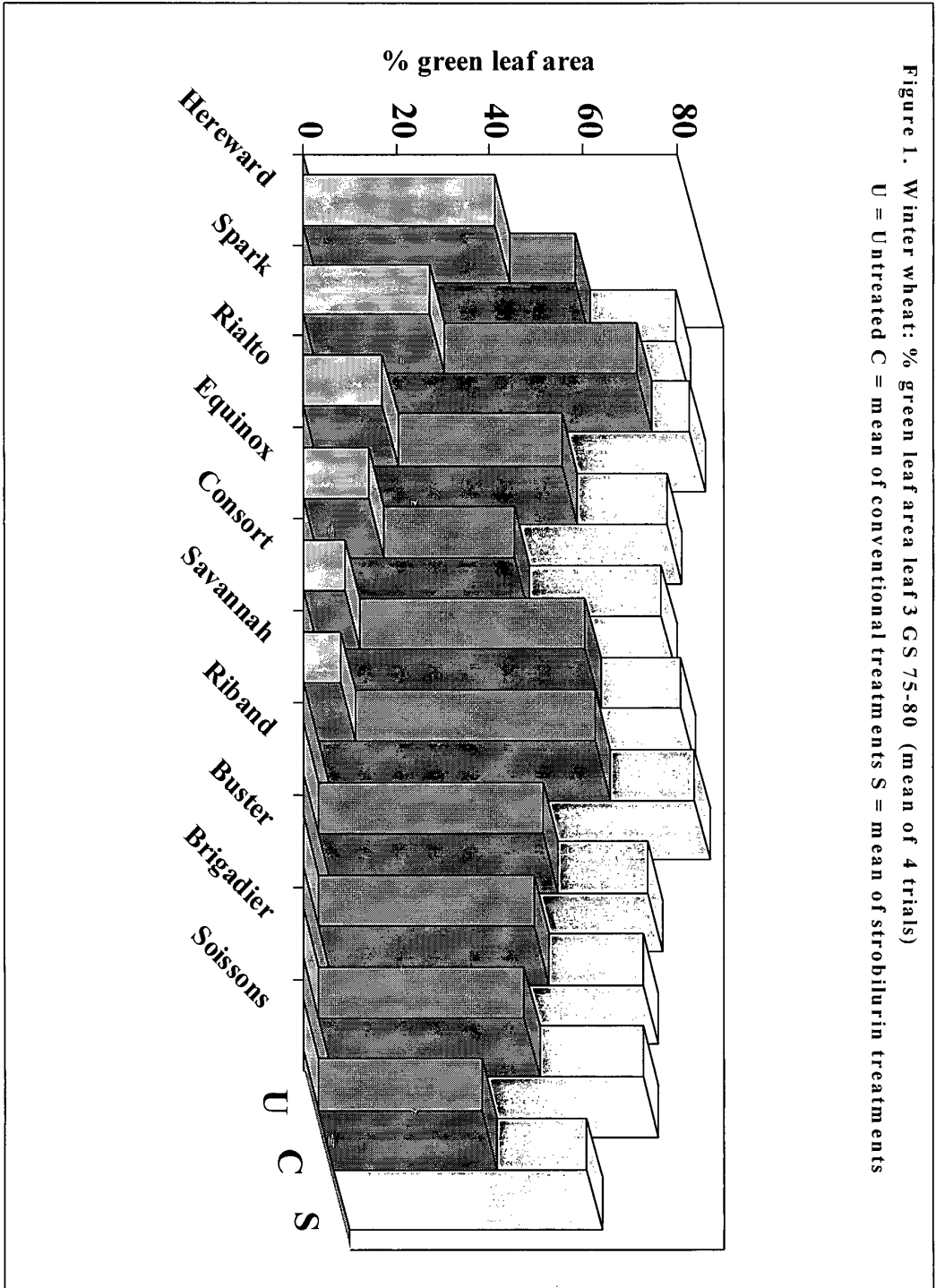


Figure 2. Winter wheat variety Savannah - comparison of increase in percentage green leaf area and reduction in percentage leaf area diseased. GS 75 leaf 3 (L3) and leaf 4 (L4).

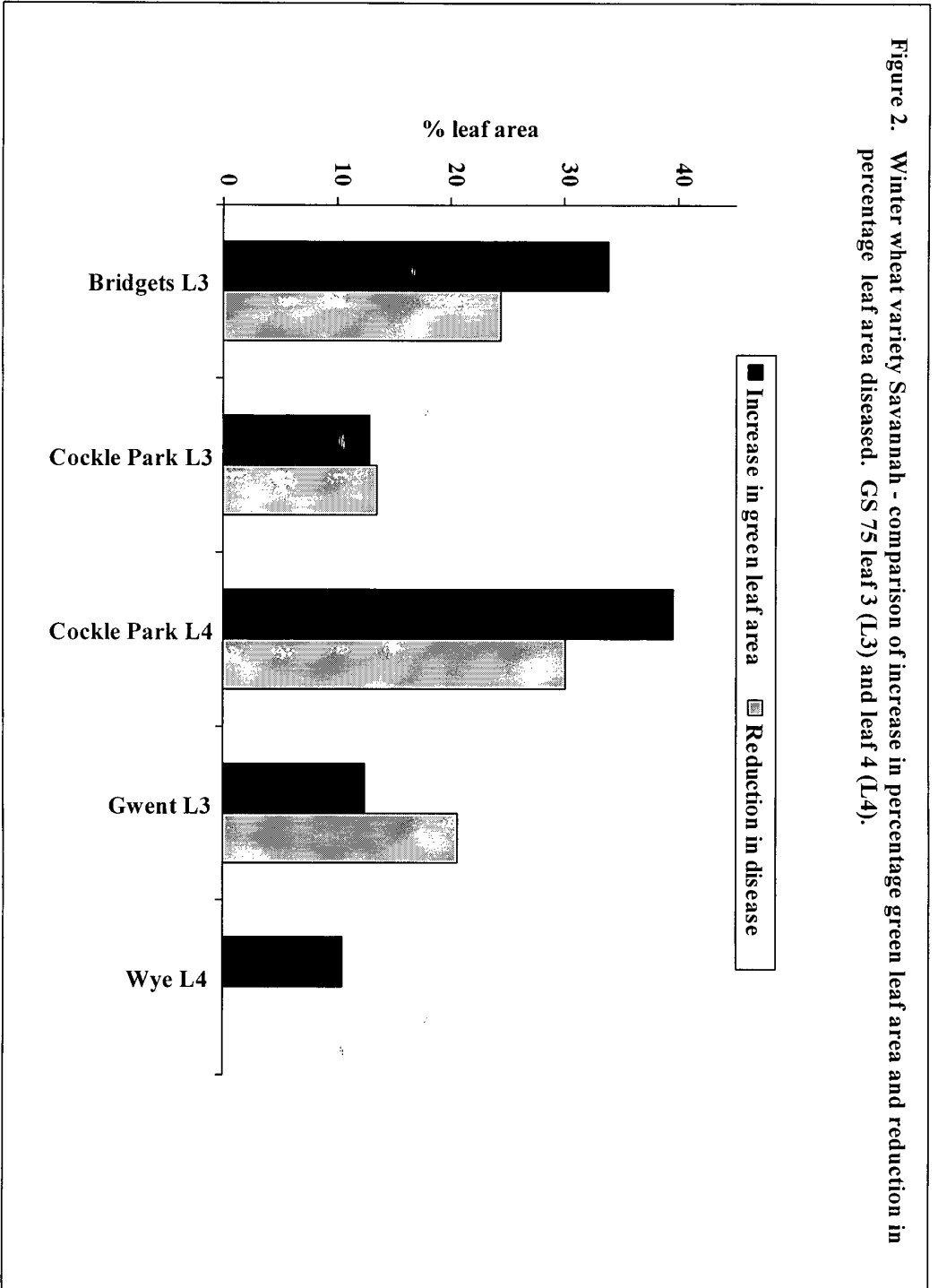


Figure 3. Winter barley: % green leaf area leaf 2 GS 75-80 (mean of 5 trials)
 U = Untreated C = mean of conventional treatments S = mean of strobilurin treatments

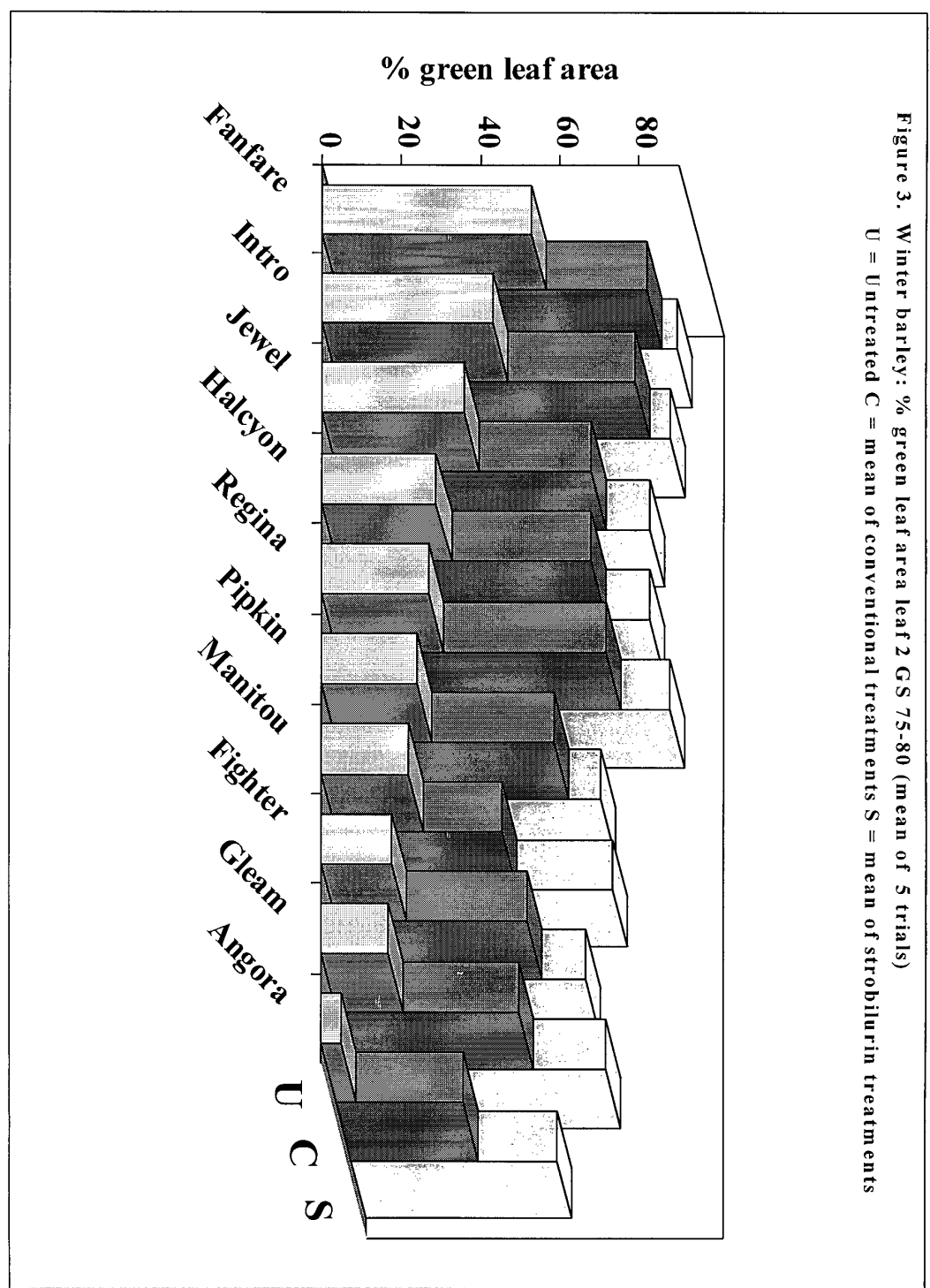


Figure 4. Winter barley variety Jewel - comparison of increase in percentage green leaf area and reduction in percentage leaf area diseased. GS 75 leaf 2 (L2) and leaf 3 (L3).

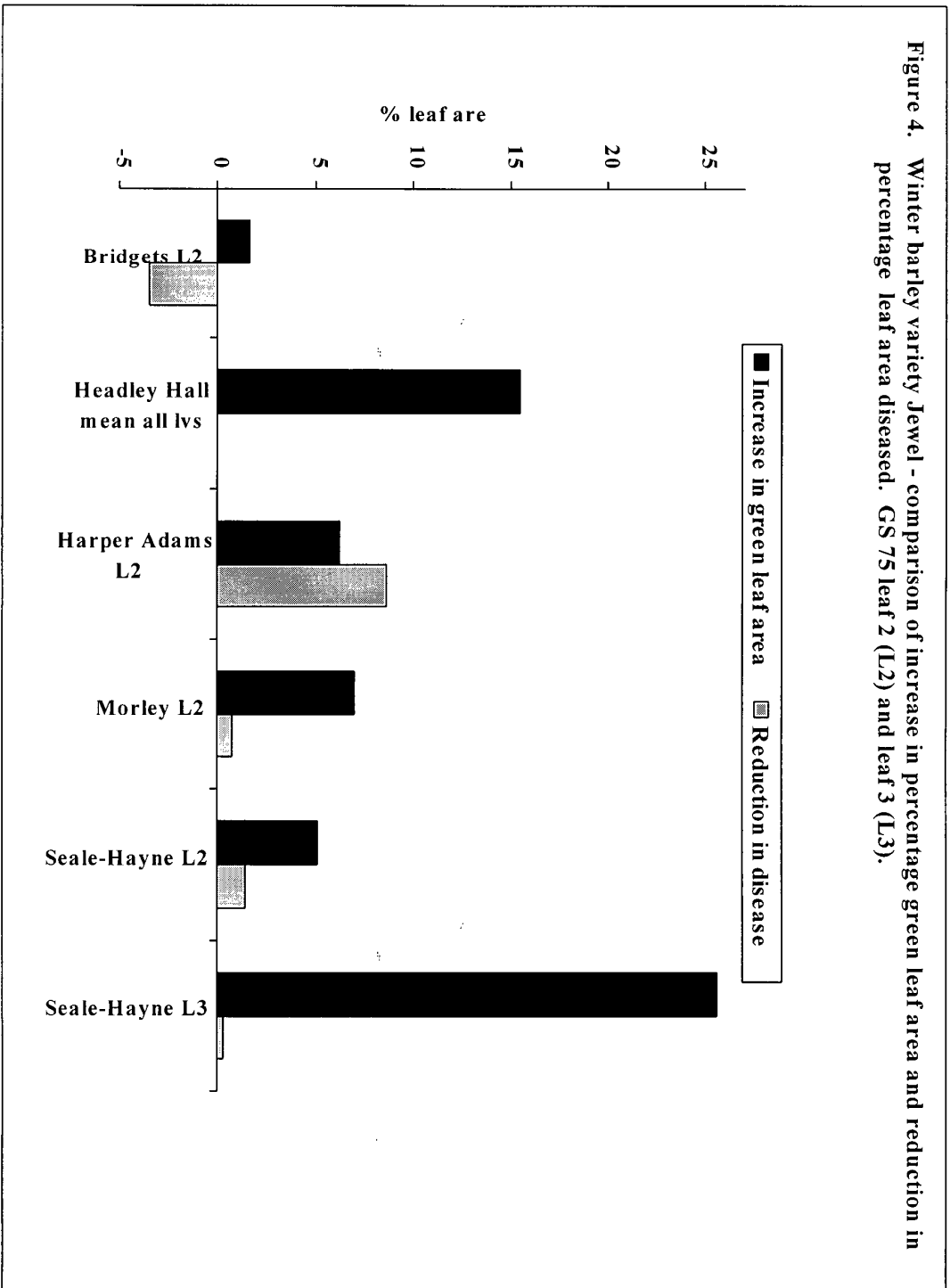


Figure 5. Winter wheat varieties - differences in yield between conventional and strobilurin fungicide programmes
 Mean of 4 trials
 The left hand end of each bar represents yield with 'conventional' chemistry; the right hand end represents yield with strobilurins

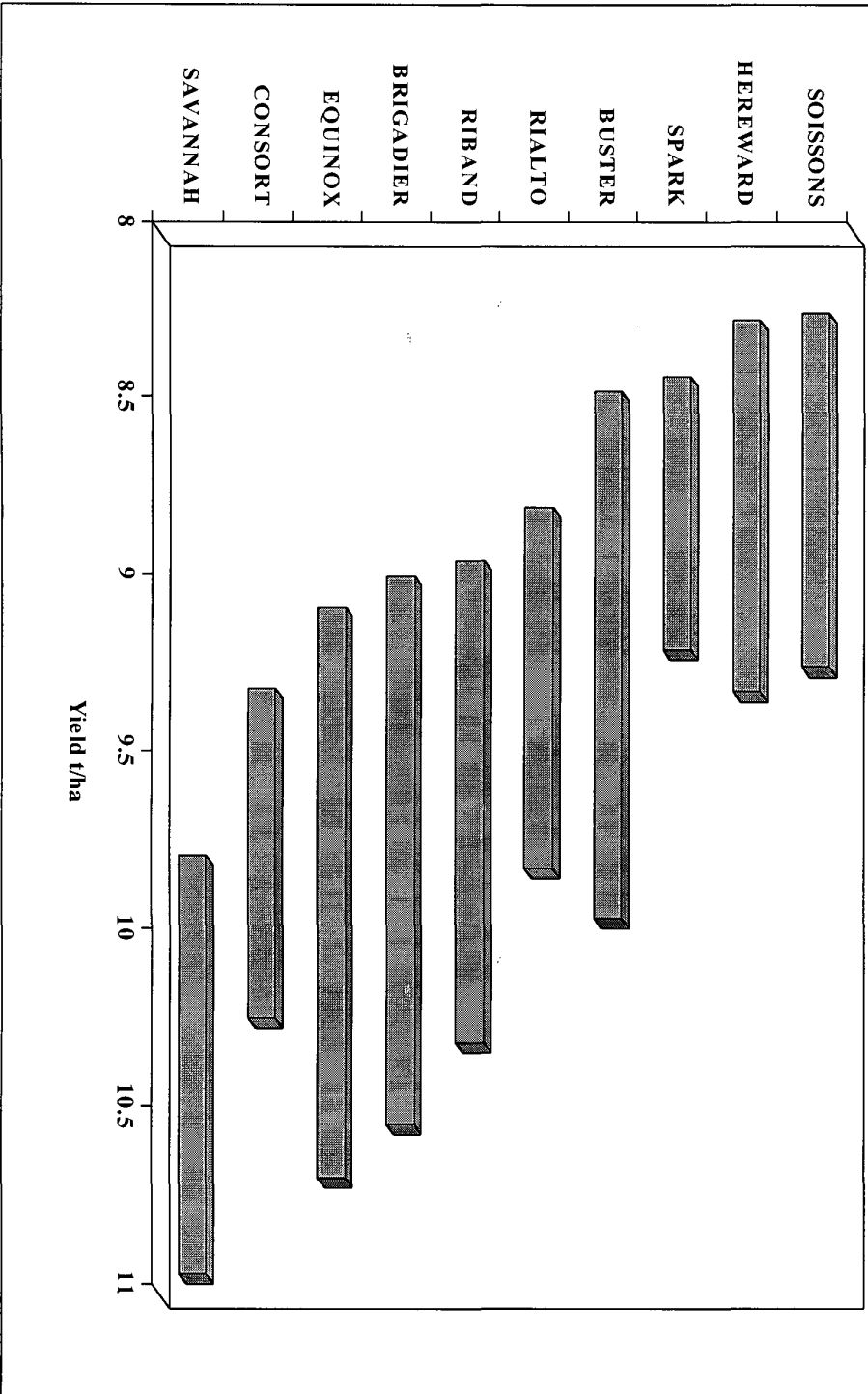
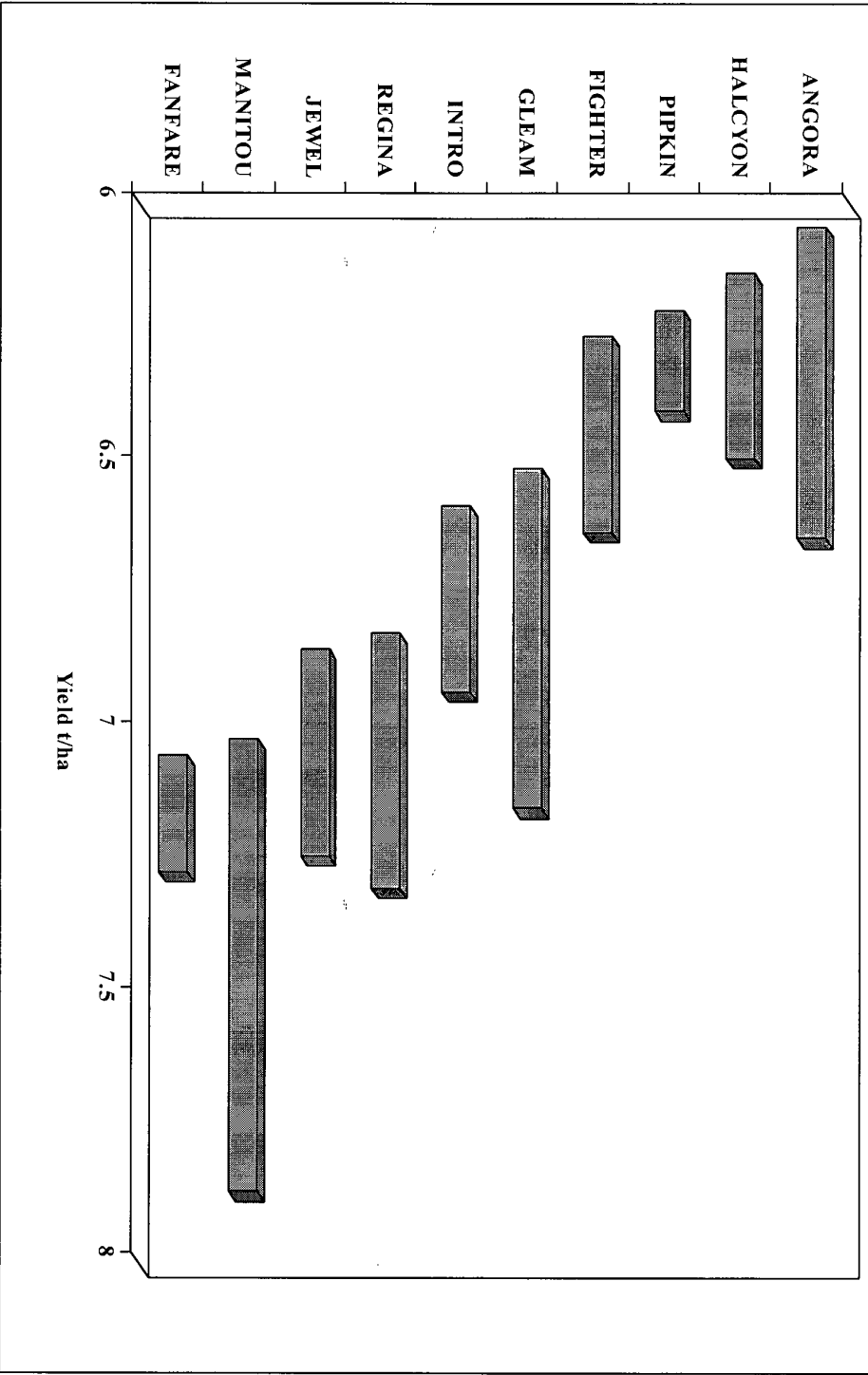


Figure 6. Winter barley varieties - differences in yield between conventional and strobilurin fungicide programmes
Mean of 5 trials
 The left end of each bar represents yield with 'conventional' chemistry; the right end represents yield with strobilurins



APPENDIX 1A

Winter Wheat Site Data and Fungicide Application Details

Site Name	BRIDGETS
Grid Reference	SU 510 345
Altitude (m)	100
Soil type and drainage	Silt Loam - Free
Previous cropping	Grass, grass, winter wheat, winter oilseed rape
Sowing date	20/10/97
Herbicide	SWIPE 5.0 l/ha - 07/04/98
Fertilizer	180 kg N, 60 kg P, 90 kg K
Growth regulator	5C CYCOCEL 1.75 l/ha - 07/04/98

BRIDGETS Fungicide Applications

	23/04/98	23/05/98	12/06/98
	GS 31	GS 45	GS 66
U			
T	SPORTAK DELTA 1.25 l/ha	OPUS TEAM 1.25 l/ha	TERN 0.5 l/ha FOLICUR 0.75 l/ha
E	TERN 0.5 l/ha	OPUS TEAM 1.5 l/ha	
S1	BRAVO 1.0 l/ha TERN 0.5 l/ha	AMISTAR 0.5 l/ha LANDMARK 0.5 l/ha	TERN 0.5 l/ha FOLICUR 0.75 l/ha
S2	AMISTAR PRO 1.5 l/ha POINTER 0.5 l/ha	AMISTAR PRO 1.0 l/ha OPUS 0.5 l/ha	AMISTAR 1.0 l/ha
S3	LANDMARK 1.0 l/ha	LANDMARK 1.0 l/ha	AMISTAR 0.5 l/ha
S4	LANDMARK 0.75 l/ha	LANDMARK 0.5 l/ha AMISTAR 0.5 l/ha	AMISTAR 0.5 l/ha

APPENDIX 1A contd

Site Name	COCKLE PARK
Grid Reference	NZ 203 912
Altitude (m)	99
Soil type and drainage	Sandy Clay Loam - Imperfect
Previous cropping	Winter oilseed rape, winter barley, winter barley, winter barley
Sowing date	02/10/97
Herbicide	ALPHA 1.5 l/ha, JAVELIN 1.0 l/ha - 30/10/97
Fertilizer	170 kg N, 75 kg P, 75 kg K
Growth regulator	CYCOCEL 2.5 l/ha - 30/03/98

COCKLE PARK Fungicide Applications

	27/04/98	04/06/98	17/06/98
	GS 32	GS 45	GS 59
U			
T	BRAVO 1.0 l/ha SPORTAK DELTA 1.25 l/ha TERN 0.5 l/ha	OPUS TEAM 1.5 l/ha	FOLICUR 0.75 l/ha
E	FOLICUR 0.5 l/ha POINTER 0.5 l/ha	PATROL 0.3 l/ha OPUS 0.7 l/ha	FOLICUR 0.5 l/ha
S1	BRAVO 1.0 l/ha SPORTAK DELTA 1.25 l/ha TERN 0.5 l/ha	AMISTAR 0.5 l/ha LANDMARK 0.5 l/ha	FOLICUR 0.75 l/ha
S2	AMISTAR PRO 1.5 l/ha POINTER 0.5 l/ha	AMISTAR PRO 1.0 l/ha OPUS 0.5 l/ha	AMISTAR 1.0 l/ha
S3	LANDMARK 1.0 l/ha	LANDMARK 1.0 l/ha	AMISTAR 0.5 l/ha
S4	LANDMARK 0.75 l/ha	LANDMARK 0.5 l/ha AMISTAR 0.5 l/ha	AMISTAR 0.5 l/ha

APPENDIX 1A contd

Site Name	GWENT
Grid Reference	SO 479 027
Altitude (m)	200
Soil type and drainage	Sandy Loam - Free
Previous cropping	Peas, winter wheat, winter oats, winter wheat
Sowing date	29/09/97
Herbicide	PANTHER 1.38 l/ha CHEETAH 1.0 l/ha, STARANE 0.7 l/ha
Fertilizer	216.42 kg N, 123.5 kg P, 185.25 kg K
Growth regulator	NEW CYCOCEL 5C 2.5 l/ha TERPAL 1.0 l/ha

GWENT Fungicide Applications

	08/04/98	19/05/98	04/06/98
	GS 32	GS 39	GS 59
U			
T	BOMBARDIER 1.0 l/ha SPORTAK DELTA 1.25 l/ha TERN 0.5 l/ha	OPUS TEAM 1.25 l/ha	<u>FOLICUR 0.75 l/ha</u>
E	OPUS 0.4 l/ha	OPUS 0.8 l/ha	FOLICUR 0.4 l/ha
S1	BOMBARDIER 1.0 l/ha SPORTAK DELTA 1.25 l/ha TERN 0.5 l/ha	AMISTAR 0.5 l/ha LANDMARK 0.5 l/ha	FOLICUR 0.75 l/ha
S2	AMISTAR PRO 1.5 l/ha POINTER 0.5 l/ha	AMISTAR PRO 1.0 l/ha OPUS 0.5 l/ha	AMISTAR 0.5 l/ha repeated on 16/06/98
S3	LANDMARK 1.0 l/ha	LANDMARK 1.0 l/ha	AMISTAR 0.5 l/ha
S4	LANDMARK 0.75 l/ha	LANDMARK 0.5 l/ha AMISTAR 0.5 l/ha	AMISTAR 0.5 l/ha

APPENDIX 1A contd

Site Name	MORLEY
Grid Reference	TM 046 976
Altitude (m)	50
Soil type and drainage	Sandy Clay Loam - Free
Previous cropping	linseed, winter wheat, sugar beet, winter wheat
Sowing date	25/09/97
Herbicide	AUGER 5 l/ha, ARDENT 1.25 l/ha - 14/11/97 AVADEX XL 1 kg/ha - 22/11/97 ALLY 30 g/ha, DUPLOSAN 2 l/ha WILDCAT 1.25 l/ha - 09/05/98 STARANE 2 1.2 l/ha - 20/05/98
Fertilizer	139.9 kg N
Growth regulator	CHLORMEQUAT 70% 2.25 l/ha 13/03/98

MORLEY Fungicide Applications

	21/04/98 GS 32	19/05/98 GS 39	12/06/98 GS 59
U			
T	BRAVO 1.0 l/ha SPORTAK DELTA 1.25 l/ha CORBEL 0.5 l/ha	OPUS TEAM 1.5 l/ha	FOLICUR 0.5 l/ha
E	BRAVO 1.0 l/ha OPUS 0.5 l/ha	BRAVO 1.0 l/ha OPUS 0.5 l/ha	FOLICUR 0.5 l/ha
S1	BRAVO 1.0 l/ha SPORTAK DELTA 1.25 l/ha CORBEL 0.5 l/ha	AMISTAR 0.5 l/ha LANDMARK 0.5 l/ha	FOLICUR 0.5 l/ha
S2	AMISTAR PRO 1.5 l/ha POINTER 0.5 l/ha	AMISTAR PRO 1.0 l/ha OPUS 0.5 l/ha	AMISTAR 1.0 l/ha
S3	LANDMARK 1.0 l/ha	LANDMARK 1.0 l/ha	AMISTAR 0.5 l/ha
S4	LANDMARK 0.75 l/ha	LANDMARK 0.5 l/ha AMISTAR 0.5 l/ha	AMISTAR 0.5 l/ha

Whole site oversprayed with LANDMARK 0.75 l/ha at GS 39

APPENDIX 1A contd

Site Name	WYE
Grid Reference	TR 068 475
Altitude (m)	76
Soil type and drainage	Silt Loam - Free
Previous cropping	linseed, grass, winter wheat, peas
Sowing date	14/10/97
Herbicide	HARLEQUIN 1.75 l/ha, STOMP 2.0 l/ha - 22/01/98 HOEGRASS 1.3 l/ha - 06/02/98 SWIPE 5.0 l/ha - 07/04/98 GRASP 1.4 l/ha - 11/5/98
Fertilizer	222 kg N
Growth regulator	NEW 5C CYCOCEL 2.5 l/ha - 18/03/98 TERPAL 1.0 l/ha - 07/05/98

WYE Fungicide Applications

	27/03/98 GS 30	22/04/98 GS 32	19/05/98 GS 39	12/06/98 GS 59
U				
T	CORBEL 0.5 l/ha FOLICUR 0.5 l/ha	BRAVO 1.0 l/ha SPORTAK DELTA 1.25 l/ha TERN 0.5 l/ha	ECLIPSE 1.5 l/ha	TERN 0.5 l/ha FOLICUR 0.75 l/ha
E	CORBEL 0.5 l/ha FOLICUR 0.5 l/ha	BRAVO 1.0 l/ha EPIC 0.5 l/ha	BRAVO 1.0 l/ha EPIC 0.75 l/ha	SILVACUR 0.5 l/ha
S1	CORBEL 0.5 l/ha FOLICUR 0.5 l/ha	BRAVO 1.0 l/ha SPORTAK DELTA 1.25 l/ha TERN 0.5 l/ha	AMISTAR 0.5 l/ha LANDMARK 0.5 l/ha	TERN 0.5 l/ha FOLICUR 0.75 l/ha
S2	CORBEL 0.5 l/ha FOLICUR 0.5 l/ha	AMISTAR PRO 1.5 l/ha POINTER 0.5 l/ha	AMISTAR PRO 1.0 l/ha OPUS 0.5 l/ha	AMISTAR 1.0 l/ha
S3	CORBEL 0.5 l/ha FOLICUR 0.5 l/ha	LANDMARK 1.0 l/ha	LANDMARK 1.0 l/ha	AMISTAR 0.5 l/ha
S4	CORBEL 0.5 l/ha FOLICUR 0.5 l/ha	LANDMARK 0.75 l/ha	LANDMARK 0.5 l/ha AMISTAR 0.5 l/ha	AMISTAR 0.5 l/ha

APPENDIX 1B

Winter Barley Site Data and Fungicide Application Details

Site Name	BRIDGETS
Grid Reference	SU 556 334
Altitude (m)	80
Soil type and drainage	Silt Loam - Free
Previous cropping	Spring barley, winter barley, winter barley, winter barley
Sowing date	27/09/97
Herbicide	IPU 500 2.3 l/ha - 29/10/97 TIGRESS 2.0 l/ha - 31/03/98
Fertilizer	127 kg N, 43 kg P, 86kg K
Growth regulator	5C CYCOCEL 2.5 l/ha 28/03/98 TERPAL 1.0 l/ha 04/05/98

BRIDGETS Fungicide Applications

	11/11/97 GS 13	02/04/98 GS 31	12/05/98 GS 45	16/05/98 GS 54
U				
T	TILT TURBO 1.0 l/ha	CORBEL 0.5 l/ha BAVISTIN DF 0.5 kg/ha OPUS 1.0 l/ha	OPUS TEAM 1.5 l/ha	
E		CORBEL 0.5 l/ha TRIPART DEFENSOR 0.2 l/ha SPORTAK 45 0.6 l/ha	TILT TURBO 1.0 l/ha	
S1		LANDMARK 0.5 l/ha AMISTAR 0.5 l/ha		OPUS TEAM 1.5 l/ha
S2		AMISTAR PRO 2.0 l/ha		AMISTAR PRO 1.5 l/ha
S3		LANDMARK 1.0 l/ha		LANDMARK 0.5 l/ha
S4		CORBEL 0.5 l/ha AMISTAR 0.75 l/ha		LANDMARK 0.5 l/ha

APPENDIX 1B contd

Site Name	HARPER ADAMS
Grid Reference	SJ 724 195
Altitude (m)	60
Soil type and drainage	Sandy Loam - Free
Previous cropping	Winter wheat, grass
Sowing date	23/09/97
Herbicide	IPU 1.75 kg/ha – 14/02/98 STARANE 0.75 l/ha – 27/04/98
Fertilizer	
Growth regulator	CYCOCEL 2.5 l/ha - 05/03/98 TERPAL 1.0 l/ha - 28/04/98

HARPER ADAMS Fungicide Applications

	06/11/97 GS 25	31/03/98 GS 31	08/05/98 GS 39	12/05/98 GS 49
U				
T	TILT 0.5 l/ha CALIXIN 0.5 l/ha	CORBEL 0.5 l/ha BAVISTIN DF 0.5 kg/ha OPUS 1.0 l/ha	OPUS TEAM 1.5 l/ha	
E		MISTRAL 0.25 l/ha BAVISTIN DF 0.25 kg/ha OPUS 0.5 l/ha	OPUS TEAM 0.75 l/ha	
S1		LANDMARK 0.5 l/ha AMISTAR 0.5 l/ha		OPUS TEAM 1.5 l/ha
S2		AMISTAR PRO 2.0 l/ha		AMISTAR PRO 1.5 l/ha
S3		LANDMARK 1.0 l/ha		LANDMARK 0.5 l/ha
S4		CORBEL 0.5 l/ha AMISTAR 0.75 l/ha		LANDMARK 0.5 l/ha

APPENDIX 1B contd

Site Name	HEADLEY HALL
Grid Reference	SE 443 414
Altitude (m)	50
Soil type and drainage	Sandy Clay Loam - Free
Previous cropping	winter wheat, winter wheat, potatoes, winter wheat
Sowing date	03/10/97
Herbicide	COMPITOX PLUS 2.3 l/ha - 23/03/98
Fertilizer	150 kg N
Growth regulator	CHLORMEQUAT 5C 2.3 l/ha - 21/03/98 TERPAL 1.0 l/ha - 10/05/98

HEADLEY HALL Fungicide Applications

	04/12/97	25/02/98	21/04/98	15/05/98
	GS 25	GS 27	GS 32	GS 45
U				
T	TILT 0.5 l/ha CALIXIN 0.5 l/ha	CORBEL 0.5 l/ha PUNCH C 0.625 l/ha	CORBEL 0.5 l/ha BAVISTIN DF 1.0 l/ha OPUS 1.0 l/ha	OPUS TEAM 1.5 l/ha
E		CORBEL 0.5 l/ha PUNCH C 0.625 l/ha		TERN 1.0 l/ha
S1		CORBEL 0.5 l/ha PUNCH C 0.625 l/ha	LANDMARK 0.5 l/ha AMISTAR 0.5 l/ha	OPUS TEAM 1.5 l/ha
S2		CORBEL 0.5 l/ha PUNCH C 0.625 l/ha	AMISTAR PRO 2.0 l/ha	AMISTAR PRO 1.5 l/ha
S3		CORBEL 0.5 l/ha PUNCH C 0.625 l/ha	LANDMARK 1.0 l/ha	LANDMARK 0.5 l/ha
S4		CORBEL 0.5 l/ha PUNCH C 0.625 l/ha	CORBEL 0.5 l/ha AMISTAR 0.75 l/ha	LANDMARK 0.5 l/ha

APPENDIX 1B contd

Site Name	MORLEY
Grid Reference	TG 66- 3--
Altitude (m)	50
Soil type and drainage	Sandy loam - Free
Previous cropping	Spring barley, sugar beet, winter beans, winter barley
Sowing date	16/09/97
Herbicide	AUTUMN KITE 2.0 L/HA 13/11/97 JAVELIN 0.5 L/HA 13/11/97 AVADEX XL 15 KG/HA 23/10/97
Fertilizer	K 90KG, N 101 KG
Growth regulator	CYCOCEL 5C 2.5 L/HA 09/03/98 TERPAL 1.0 L/HA 03/05/98

MORLEY Fungicide Applications

	22/03/98	28/04/98	11/05/98
	GS 31	GS 39	GS 49
U			
T	CORBEL 0.5 l/ha BAVISTIN DF 0.5 kg/ha <u>OPUS 1.0 l/ha</u>	OPUS TEAM 1.5 l/ha	
E	OPUS 0.5 l/ha	OPUS TEAM 0.75 l/ha BAVISTIN DF 0.5 kg/ha	
S1	LANDMARK 0.5 l/ha AMISTAR 0.5 l/ha		OPUS TEAM 1.5 l/ha
S2	AMISTAR PRO 2.0 l/ha		AMISTAR PRO 1.5 l/ha
S3	LANDMARK 1.0 l/ha		LANDMARK 0.5 l/ha
S4	CORBEL 0.5 l/ha AMISTAR 0.75 l/ha		LANDMARK 0.5 l/ha

APPENDIX 1B contd

Site Name	SEALE HAYNE
Grid Reference	SX 768 637
Altitude (m)	30
Soil type and drainage	SANDY CLAY LOAM - FREE
Previous cropping	Spring barley, winter barley, winter barley, winter barley
Plot length	
Plot width	
Sowing date	19/10/97
Herbicide	JAVELIN 0.5 L/HA 18/02/98
Fertilizer	N 168 KG, K 75 KG, P 113 KG
Growth regulator	NEW 5C CYCOCEL 2.5 l/ha - 18/03/98

SEALE HAYNE Fungicide Applications

	12/12/97	15/04/98	08/05/98
		GS 31	GS 39/49
U			
T	TILT 0.5 l/ha CALIXIN 0.5 l/ha	CORBEL 0.5 l/ha BAVISTIN DF 0.5 kg/ha OPUS 1.0 l/ha	OPUS TEAM 1.5 l/ha
E		UNIX 0.4 kg/ha ALTO 240 0.2 l/ha	UNIX 0.4 kg/ha ALTO 240 0.2 l/ha
S1		LANDMARK 0.5 l/ha AMISTAR 0.5 l/ha	OPUS TEAM 1.5 l/ha
S2		AMISTAR PRO 2.0 l/ha	AMISTAR PRO 1.5 l/ha
S3		LANDMARK 1.0 l/ha	LANDMARK 0.5 l/ha
S4		CORBEL 0.5 l/ha AMISTAR 0.75 l/ha	LANDMARK 0.5 l/ha

APPENDIX 2A WINTER WHEAT YIELDS

Bridgets. Yield of grain at 15% moisture

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	3.08	8.07	7.78	8.89	9.25	10.15	10.07	8.18
Buster	5.02	7.97	7.92	8.43	9.14	9.58	9.57	8.23
Consort	5.52	8.29	7.91	8.78	9.38	10.01	9.75	8.52
Equinox	5.58	7.98	7.82	8.79	9.24	10.38	10.08	8.55
Hereward	6.03	7.74	7.51	7.92	8.59	8.91	8.63	7.90
Rialto	6.43	8.38	8.11	8.64	9.30	9.24	9.35	8.49
Riband	5.51	8.74	7.95	9.11	9.80	10.07	9.79	8.71
Savannah	6.28	8.95	8.61	9.56	10.32	10.33	10.55	9.23
Soissons	5.87	8.05	7.46	8.34	8.76	9.01	8.82	8.04
Spark	6.20	7.93	7.61	8.22	8.72	8.68	8.48	7.98
Mean	5.55	8.21	7.87	8.67	9.25	9.64	9.51	8.38

Significance: Treatment effect *** Variety effect *** Treatment x Variety interaction ***
 lsd Treatment means = 0.435 lsd Variety means = 0.171
 lsd Variety means within Treatment = 0.454 lsd Treatment means within variety = 0.593

Cockle Park. Yield of grain at 15% moisture

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	1.87	9.09	9.87	9.67	10.39	11.04	10.44	8.91
Buster	5.20	9.06	8.68	9.82	9.96	10.77	10.23	9.10
Consort	6.66	10.15	10.24	10.66	11.41	11.52	10.60	10.18
Equinox	6.26	9.41	10.34	11.07	11.59	11.68	10.66	10.14
Hereward	8.00	8.88	8.17	9.11	8.88	9.46	9.04	8.79
Rialto	7.35	8.58	8.55	8.92	9.32	9.63	9.11	8.78
Riband	5.47	9.33	9.96	10.66	11.05	11.52	10.68	9.81
Savannah	6.95	10.19	11.00	10.86	11.32	11.50	11.00	10.40
Soissons	6.02	8.36	8.75	9.24	9.78	9.62	8.75	8.65
Spark	7.00	8.41	8.88	9.14	9.34	9.48	8.95	8.74
Mean	6.55	9.15	9.40	9.94	10.29	10.58	9.89	9.40

Significance: Treatment effect *** Variety effect *** Treatment x Variety interaction ***
 lsd Treatment means = 1.048 lsd Variety means = 0.253
 lsd Variety means within Treatment = 0.670 lsd Treatment means within variety = 1.198

APPENDIX 2A contd.

Gwent. Yield of grain at 15% moisture

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	3.61	8.37	8.10	8.34	9.89	9.79	9.55	8.24
Buster	4.94	8.04	7.78	8.00	9.46	9.08	9.39	8.10
Consort	4.42	8.60	8.48	9.13	9.85	9.64	9.62	8.53
Equinox	4.68	8.20	8.07	7.93	9.83	9.34	9.41	8.21
Hereward	5.49	8.27	7.46	8.20	9.21	8.89	8.92	8.06
Rialto	5.32	8.53	8.12	8.44	9.78	9.44	9.60	8.46
Riband	3.84	8.37	7.73	8.65	9.60	8.86	8.99	8.01
Savannah	5.15	9.13	8.93	9.13	10.06	9.82	9.98	8.89
Soissons	5.18	7.83	7.42	7.61	8.39	8.34	8.24	7.57
Spark	5.30	7.87	7.82	8.02	8.98	8.84	8.81	7.95
Mean	4.79	8.32	7.99	8.35	9.51	9.20	9.25	8.20

Significance : Treatment effect *** Variety effect *** Treatment x Variety interaction ***
 lsd Treatment means = 0.393 lsd Variety means = 0.203
 lsd Variety means within Treatment = 0.538 lsd Treatment means within variety = 0.626

Wye. Yield of grain at 15% moisture

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	1.16	10.38	10.15	11.07	12.14	11.83	11.79	9.79
Buster	4.31	9.36	8.90	9.66	10.93	10.56	10.79	9.22
Consort	6.00	10.82	9.92	10.92	9.75	10.37	10.91	9.81
Equinox	7.32	10.38	10.36	10.96	12.04	12.06	11.80	10.70
Hereward	7.50	9.07	8.95	9.53	10.47	10.23	10.42	9.45
Rialto	6.30	10.11	9.95	10.73	11.04	10.90	11.03	10.01
Riband	4.52	10.42	9.05	10.25	11.35	10.99	10.95	9.65
Savannah	5.82	10.86	10.48	11.27	12.17	12.14	12.14	10.70
Soissons	5.01	9.37	8.68	9.72	10.43	10.48	10.21	9.13
Spark	5.95	9.63	9.19	9.58	10.13	9.84	10.03	9.19
Mean	5.39	10.04	9.56	10.37	11.05	10.94	11.01	9.76

Significance Treatment effect *** Variety effect *** Treatment x Variety interaction ***
 lsd Treatment means = 0.321 lsd Variety means = 0.157
 lsd Variety means within Treatment = 0.417 lsd Treatment means within variety = 0.495

APPENDIX 2A contd.

Morley. Yield of grain at 15% moisture

Variety	Fungicide Treatment						Mean	
	U*	T*	E	S1	S2	S3		S4
Brigadier	1.65	10.40	10.76	10.90	11.60	11.65	11.49	9.78
Buster	5.04	9.67	10.02	10.35	10.82	10.89	10.98	9.68
Consort	6.81	10.70	10.83	11.20	11.49	11.69	11.45	10.60
Equinox	7.30	10.42	10.54	11.05	11.80	11.98	11.83	10.70
Hereward	7.86	9.08	9.18	9.52	10.07	10.24	10.06	9.43
Rialto	8.29	9.44	9.66	9.49	10.18	10.23	10.03	9.62
Riband	6.28	11.03	11.14	11.70	12.18	12.21	11.87	10.92
Savannah	7.21	11.22	11.34	11.65	12.12	12.19	12.05	11.11
Soissons	2.91		8.94	10.09	8.62	9.40	9.66	8.27
Spark	7.20	9.45	9.58	9.81	10.18	10.19	10.06	9.50
Mean	6.54	10.13	10.14	10.54	10.83	11.00	10.89	10.01

U* and T* from adjacent Recommended List Trial
 Treatments E, S1, S2, S3 and S4 oversprayed with Landmark at GS39

NS = non significant

* = significant at P = 0.05

** = significant at P = 0.01

*** = significant at P = 0.001

APPENDIX 2B WINTER BARLEY YIELDS

Bridgets. Yield of grain at 15% moisture

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	4.47	6.39	5.66	6.64	7.12	5.77	6.53	6.08
Fanfare	6.13	7.50	7.32	7.48	7.38	7.13	7.28	7.17
Fighter	5.07	6.46	6.18	6.41	5.95	6.27	6.21	6.08
Gleam	5.74	7.36	6.53	7.33	7.79	7.01	7.29	7.01
Halcyon	4.82	6.45	6.21	6.42	6.54	5.94	6.65	6.15
Intro	5.18	6.37	6.18	6.14	6.65	6.62	6.49	6.23
Jewel	5.68	7.29	6.97	7.35	7.27	7.03	7.13	6.96
Manitou	5.71	7.82	7.21	7.92	8.09	7.30	8.57	7.52
Pipkin	4.76	6.34	5.83	6.36	6.11	5.92	6.35	5.95
Regina	5.23	7.66	7.05	7.48	7.60	7.25	7.62	7.13
Mean	5.28	6.96	6.51	6.95	7.05	6.62	7.01	6.63

Significance: Treatment effect *** Variety effect *** Treatment x Variety interaction ***
 lsd Treatment means = 0.476 lsd Variety means = 0.194
 lsd Variety means within Treatment = 0.510 lsd Treatment means within variety = 0.662

Bridgets. Yield of grain at 15% moisture

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	4.13	6.78	6.42	7.43	7.93	5.07	6.35	6.30
Fanfare	5.86	7.60	6.70	7.72	7.96	6.37	6.96	7.02
Fighter	4.10	6.61	6.15	7.28	7.10	5.04	5.76	6.01
Gleam	4.22	6.53	5.71	7.63	8.19	5.36	6.02	6.24
Halcyon	4.68	6.88	6.15	7.66	7.78	6.01	5.86	6.43
Intro	5.34	7.61	6.59	7.81	7.74	6.16	6.75	6.86
Jewel	5.44	7.67	6.37	7.90	8.30	6.13	6.67	6.93
Manitou	4.70	7.71	6.60	8.74	8.91	6.27	8.49	7.35
Pipkin	4.49	7.08	6.16	6.75	7.90	6.01	5.77	6.31
Regina	4.58	6.97	6.46	7.90	8.28	5.71	6.52	6.63
Mean	4.75	7.14	6.33	7.68	8.01	5.81	6.52	6.61

Significance: Treatment effect NS Variety effect *** Treatment x Variety interaction ***
 lsd Treatment means = 2.255 lsd Variety means = 0.240
 lsd Variety means within Treatment = 0.635 lsd Treatment means within variety = 2.271

APPENDIX 2B contd.

Headley Hall. Yield of grain at 15% moisture

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	4.60	6.75	6.13	8.04	7.73	7.69	8.06	7.00
Fanfare	5.41	7.82	7.34	8.03	8.22	8.05	8.24	7.59
Fighter	5.17	6.92	6.54	8.06	8.00	8.03	7.97	7.24
Gleam	4.96	7.87	6.93	8.44	8.42	8.28	8.32	7.60
Halcyon	3.50	6.63	6.10	6.55	6.70	6.86	7.31	6.24
Intro	5.17	7.49	6.63	7.84	7.42	8.10	7.84	7.21
Jewel	5.27	7.85	6.84	8.21	8.13	8.18	8.71	7.60
Manitou	5.38	7.75	6.38	8.53	8.69	8.28	8.64	7.66
Pipkin	3.71	7.19	6.47	7.02	7.27	6.81	7.32	6.54
Regina	5.09	7.33	6.50	8.20	8.32	7.67	8.20	7.33
Mean	4.83	7.36	6.59	7.89	7.89	7.80	8.06	7.20

Significance: Treatment effect *** Variety effect *** Treatment x Variety interaction ***
 lsd Treatment means = 0.469 lsd Variety means = 0.206
 lsd Variety mean within Treatment = 0.545 lsd Treatment mean within variety = 0.677

Morley. Yield of grain at 15% moisture

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	3.24	6.44	6.03	6.54	7.11	6.77	6.76	6.13
Fanfare	5.86	7.14	7.02	7.49	7.91	7.27	7.48	7.17
Fighter	3.61	7.10	6.42	7.13	7.24	7.23	7.07	6.54
Gleam	3.74	6.58	5.58	6.86	7.26	6.96	7.24	6.32
Halcyon	4.00	6.06	5.94	7.11	6.90	6.55	6.92	6.21
Intro	5.37	7.49	7.13	7.88	8.14	8.02	8.09	7.45
Jewel	5.10	7.31	7.05	7.66	7.68	7.48	7.54	7.12
Manitou	4.56	7.44	7.20	8.03	8.12	8.29	8.29	7.42
Pipkin	4.08	6.41	6.09	6.87	6.62	6.72	7.06	6.26
Regina	5.41	7.91	7.54	8.29	8.31	8.28	8.20	7.71
Mean	4.50	6.99	6.60	7.39	7.53	7.36	7.47	6.83

Significance: Treatment effect *** Variety effect *** Treatment x Variety interaction ***
 lsd Treatment means = 0.278 lsd Variety means = 0.161
 lsd Variety means within Treatment = 0.426 lsd Treatment means within variety = 0.478

APPENDIX 2B contd.

Seale-Hayne. Yield of grain at 15% moisture

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	3.02	4.88	4.99	5.62	5.48	4.67	5.44	4.87
Fanfare	4.92	6.02	6.05	6.06	6.10	5.98	6.40	5.93
Fighter	4.11	5.19	5.05	5.65	5.67	4.99	5.58	5.18
Gleam	4.70	5.92	6.05	6.08	6.32	5.66	6.38	5.87
Halcyon	4.30	5.43	5.57	5.54	5.71	5.18	5.67	5.34
Intro	3.97	5.11	5.15	5.38	5.29	5.01	5.14	5.01
Jewel	4.19	5.61	5.53	5.68	6.23	5.58	6.01	5.55
Manitou	5.04	5.76	6.34	6.46	6.96	6.23	6.61	6.20
Pipkin	3.96	5.45	5.09	5.19	5.62	5.12	5.14	5.08
Regina	3.67	5.32	5.47	5.52	6.05	4.98	5.60	5.23
Mean	4.19	5.47	5.53	5.72	5.94	5.34	5.80	5.43

Significance: Treatment effect *** Variety effect *** Treatment x Variety interaction ***

lsd Treatment means = 0.583 lsd Variety means = 0.138

lsd Variety means within Treatment = 0.365 lsd Treatment means within variety = 0.660

NS = non significant

* = significant at P = 0.05

** = significant at P = 0.01

*** = significant at P = 0.001

APPENDIX 3A**DISEASE AND AGRONOMIC DATA - WHEAT**

= un-scorable due to senescence or high levels of disease

Bridgets

MILDEW%

07-Apr-98 GS31

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.3							
Buster	0.0							
Consort	0.1							
Equinox	0.4							
Hereward	0.1							
Rialto	0.0							
Riband	0.0							
Savannah	0.1							
Soissons	0.1							
Spark	0.0							
Mean	0.1							

Bridgets

MILDEW%

27-May-98 GS37

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	1.0							
Buster	3.7							
Consort	0.2							
Equinox	3.0							
Hereward	0.1							
Rialto	0.0							
Riband	0.0							
Savannah	0.0							
Soissons	0.8							
Spark	0.0							
Mean	0.9							

Bridgets

MILDEW%(L3)

27-May-98 GS66

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	3.7	3.0	0.4	3.7	1.7	0.0	0.0	1.8
Buster	3.0	5.0	1.1	2.3	3.0	0.0	0.0	2.1
Consort	1.4	1.1	0.1	0.7	0.3	0.0	0.0	0.5
Equinox	11.7	11.7	2.3	4.3	3.7	0.0	0.0	4.8
Hereward	1.4	1.4	0.4	0.7	0.4	0.0	0.0	0.6
Rialto	1.7	2.3	0.4	0.7	0.4	0.0	0.0	0.8
Riband	0.7	1.1	0.0	0.7	1.3	0.0	0.0	0.5
Savannah	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Soissons	1.7	0.3	0.4	0.4	1.3	0.0	0.0	0.6
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	2.5	2.6	0.5	1.4	1.2	0.0	0.0	1.2

Bridgets

MILDEW%(L4)

27-May-98 GS66

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	5.0	3.7	1.7	4.3	2.3	0.0	0.0	2.4
Buster	3.7	3.7	0.4	3.0	5.3	0.0	0.0	2.3
Consort	1.0	0.4	1.0	1.3	1.3	0.0	0.0	0.7
Equinox	10.0	6.7	3.0	5.0	3.0	0.0	0.3	4.0
Hereward	1.4	1.7	1.1	1.3	0.4	0.0	0.0	0.8
Rialto	1.7	3.0	1.0	0.7	0.4	0.0	0.0	1.0
Riband	0.7	1.1	0.0	0.4	0.7	0.0	0.0	0.4
Savannah	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Soissons	0.3	0.3	0.0	0.1	0.3	0.0	0.0	0.2
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	2.4	2.1	0.8	1.6	1.4	0.0	0.0	1.2

Bridgets

MILDEW%(L2)

8-June-98 GS66

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	8.0	1.4		1.1	3.0	0.0	0.0	2.2
Buster	12.3	3.7		4.3	3.7	0.0	0.4	4.1
Consort	4.3	0.1		0.0	0.1	0.0	0.0	0.8
Equinox	27.3	5.0		3.7	1.7	0.0	0.1	6.3
Hereward	3.7	0.7		0.7	0.4	0.0	0.0	0.9
Rialto	3.0	0.4		0.1	1.0	0.0	0.0	0.8
Riband	1.4	0.1		0.0	0.1	0.0	0.0	0.3
Savannah	0.3	0.0		0.0	0.0	0.0	0.0	0.1
Soissons	6.7	5.3		3.0	3.0	0.0	0.0	3.0
Spark	1.0	0.0		0.0	0.0	0.0	0.0	0.2
Mean	6.8	1.7		1.3	1.3	0.0	0.0	1.9

Bridgets

MILDEW%(L3)

08-Jun-98 GS66

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	27.5	9.0		5.7	7.3	0.0	0.0	8.3
Buster	29.0	16.7		14.7	14.0	0.0	1.0	12.6
Consort	18.3	10.0		3.7	7.3	0.0	0.0	6.6
Equinox	46.7	21.7		12.3	15.7	0.0	0.4	16.1
Hereward	9.0	7.0		2.3	5.0	0.0	0.0	3.9
Rialto	7.3	3.7		1.7	3.0	0.0	0.0	2.6
Riband	10.0	6.7		1.7	2.0	0.0	0.0	3.4
Savannah	3.7	2.3		0.4	1.7	0.0	0.0	1.3
Soissons	20.0	9.0		8.0	4.3	0.0	0.0	6.9
Spark	3.0	1.0		0.1	0.1	0.0	0.0	0.7
Mean	17.5	8.7		5.0	6.0	0.0	0.1	6.2

Bridgets

MILDEW%(L4)

08-Jun-98 GS66

Variety	Fungicide Treatment						Mean	
	U	T	E	S1	S2	S3		S4
Brigadier		20.0		15.0	20.0	0.0	0.0	11.0
Buster		20.7		10.0	11.0	0.0	0.3	8.4
Consort		13.5		8.3	13.3	0.0	0.0	7.0
Equinox		15.0		14.0	23.3	0.0	1.3	10.7
Hereward		6.7		3.7	7.3	0.0	0.0	3.5
Rialto		3.7		3.7	5.7	0.0	0.0	2.6
Riband		10.0		2.0	5.0	0.0	0.0	3.4
Savannah		7.7		2.3	5.0	0.0	0.0	3.0
Soissons		#		#	#	0.0	0.0	0.0
Spark		1.5		0.0	0.5	0.0	0.0	0.4
Mean		11.0		6.6	10.1	0.0	0.2	5.0

Bridgets

MILDEW%(FLAG)

01-Jul-98 GS75

Variety	Fungicide Treatment						Mean	
	U	T	E	S1	S2	S3		S4
Brigadier	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buster	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	0.5	0.0	0.4	0.4	0.0	0.0	0.0	0.2
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Bridgets

MILDEW%(L2)

01-Jul-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	#	3.7	4.3	1.7	3.0	0.0	0.0	2.1
Buster	30.0	4.3	8.3	5.0	7.3	0.0	1.0	8.0
Consort	8.3	1.4	0.7	0.4	0.4	0.0	0.0	1.6
Equinox	25.0	8.0	8.7	3.7	5.0	0.0	0.4	7.2
Hereward	8.0	0.7	1.4	0.4	1.7	0.0	0.0	1.7
Rialto	6.7	1.0	1.7	0.7	1.7	0.0	0.1	1.7
Riband	1.0	0.1	1.3	0.0	1.4	0.0	0.0	0.5
Savannah	3.7	0.0	0.4	0.4	0.0	0.0	0.0	0.6
Soissons	#	3.7	5.0	5.0	2.3	0.0	0.0	2.7
Spark	5.7	0.0	0.4	0.0	0.0	0.0	0.0	0.9
Mean	11.0	2.3	3.2	1.7	2.3	0.0	0.2	2.7

Bridgets

MILDEW%(L3)

01-Jul-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	#	12.5	#	7.3	15.0	0.0	0.0	6.2
Buster	#	18.3	20.0	10.0	20.0	0.0	2.0	11.2
Consort	#	6.7	8.3	5.0	10.7	0.0	0.0	4.6
Equinox	#	15.0	#	12.0	16.7	0.0	1.0	8.7
Hereward	#	5.0	4.0	3.0	9.0	0.0	0.0	3.2
Rialto	#	3.0	5.0	2.3	4.3	0.0	0.0	2.3
Riband	#	4.3	3.0	2.0	5.3	0.0	0.0	2.2
Savannah	#	3.0	3.7	1.3	2.0	0.0	0.0	1.5
Soissons	#			5.0	5.0	0.0	0.0	2.5
Spark	#	0.7	0.7	0.7	1.7	0.0	0.0	0.7
Mean		7.6	6.4	4.9	9.0	0.0	0.3	4.3

Bridgets

YELLOW RUST%(FLAG) 08-Jun-98 GS66

Variety	Fungicide Treatment						Mean	
	U	T	E	S1	S2	S3		S4
Brigadier	26.0	0.3		0.3	0.0	0.0	0.0	4.4
Buster	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Riband	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Savannah	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Soissons	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Mean	2.6	0.0		0.0	0.0	0.0	0.0	0.4

Bridgets

YELLOW RUST%(L2) 08-Jun-98 GS66

Variety	Fungicide Treatment						Mean	
	U	T	E	S1	S2	S3		S4
Brigadier	7.0	1.0		0.3	0.0	0.0	0.0	1.8
Buster	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Riband	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Savannah	0.3	0.0		0.0	0.0	0.0	0.0	0.0
Soissons	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Mean	0.7	0.1		0.0	0.0	0.0	0.0	0.2

Bridgets

BROWN RUST%(FLAG) 01-Jul-98 75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buster	16.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
Consort	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	10.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
Spark	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Mean	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4

Bridgets

BROWN RUST%(L2) 01-Jul-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buster	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Consort	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	7.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Mean	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Bridgets

SEPTORIA TRITICI%(L4)

27-May-98

GS66

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	9.7	0.4	8.7	1.1	1.4	1.4	1.1	3.4
Buster	9.0	2.3	7.3	1.4	3.0	1.7	2.3	3.9
Consort	21.7	5.0	15.7	3.0	10.0	9.0	6.3	10.1
Equinox	9.0	0.4	7.3	1.7	1.0	3.0	0.7	3.3
Hereward	4.3	0.7	4.3	0.7	1.0	3.0	3.0	2.4
Rialto	6.3	0.7	3.7	0.7	2.0	0.1	0.7	2.0
Riband	22.3	2.3	17.3	2.3	10.0	8.0	5.7	9.7
Savannah	13.0	0.4	11.3	0.7	3.7	0.4	1.1	4.4
Soissons	46.7	23.3	36.7	28.3	28.3	19.0	23.3	29.4
Spark	2.3	0.1	1.0	0.0	0.4	0.0	0.0	0.6
Mean	14.4	3.6	11.3	4.0	6.1	4.6	4.4	6.9

Bridgets

SEPTORIA TRITICI%(FLAG)

01-Jul-98

GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	#	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Buster	13.3	0.0	0.4	0.0	0.0	0.0	0.0	2.0
Consort	3.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4
Equinox	5.7	0.0	0.1	0.0	0.0	0.0	0.0	0.8
Hereward	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Rialto	1.7	0.0	0.1	0.0	0.0	0.0	0.0	0.3
Riband	10.0	0.0	1.4	0.0	0.0	0.0	0.0	1.6
Savannah	5.7	0.0	0.1	0.0	0.0	0.0	0.0	0.8
Soissons	37.5	4.3	8.0	3.0	1.4	0.1	0.1	7.8
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	8.6	0.4	1.0	0.3	0.1	0.0	0.0	1.4

Bridgets

SEPTORIA TRITICI%(L2) 01-Jul-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	#	5.7	15.7	2.0	0.0	0.1	0.1	3.9
Buster	20.0	2.3	5.3	0.3	1.4	0.0	0.1	4.2
Consort	36.7	2.3	6.7	0.4	0.1	0.0	0.0	6.6
Equinox	30.0	2.3	3.0	1.0	0.4	0.4	0.1	5.3
Hereward	13.3	4.3	6.3	1.7	0.7	1.7	1.0	4.1
Rialto	19.0	3.0	8.3	0.7	1.7	0.7	0.4	4.8
Riband	75.0	7.3	17.3	4.3	2.3	2.0	3.0	15.9
Savannah	35.0	3.0	2.0	0.4	0.1	0.0	0.0	5.8
Soissons	#	14.0	17.5	5.0	3.0	2.0	2.3	7.3
Spark	7.3	0.7	2.3	0.0	0.0	0.0	0.0	1.5
Mean	29.5	4.5	8.5	1.6	1.0	0.7	0.7	6.0

Significance Treatment effect Variety effect Treatment x Variety interaction
 lsd Treatment means Variety means Variety within Treatment Treatment within variety

Bridgets

SEPTORIA TRITICI%(L3) 01-Jul-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	#	27.5	#	8.3	5.7	0.1	2.3	8.0
Buster	#	7.0	15.0	4.3	7.5	2.3	2.3	6.1
Consort	#	15.7	33.3	7.0	6.3	1.4	2.3	10.4
Equinox	#	12.0	#	6.3	4.3	2.3	0.7	5.2
Hereward	#	14.0	17.5	5.7	6.3	7.3	5.7	8.7
Rialto	#	12.3	17.0	5.7	5.7	4.3	3.7	7.6
Riband	#	26.7	40.0	13.3	12.3	7.3	8.0	17.7
Savannah	#	20.0	26.7	6.0	2.3	3.0	1.7	9.4
Soissons	#			15.0	10.0	11.5	6.7	10.1
Spark	#	5.7	7.0	3.7	2.3	1.4	2.0	3.4
Mean		15.6	22.4	7.5	6.3	4.1	3.5	8.6

Bridgets

FUSARIUM EAR% 11-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	3.3	2.3	1.7	2.7	3.7	4.3	3.7	3.1
Buster	2.7	4.3	1.0	3.3	2.7	4.7	2.7	3.0
Consort	2.3	3.0	2.7	2.0	2.3	1.3	2.0	2.2
Equinox	2.3	3.7	1.7	5.3	2.3	6.3	5.7	3.9
Hereward	3.0	5.0	2.7	3.3	4.3	6.3	4.3	4.1
Rialto	2.0	2.0	2.3	2.7	3.0	2.7	2.0	2.4
Riband	2.3	3.3	1.3	3.3	2.7	4.0	3.0	2.9
Savannah	4.0	5.0	3.0	2.7	3.7	4.3	3.0	3.7
Soissons	1.7	2.3	2.3	1.7	1.7	1.7	1.7	1.9
Spark	1.7	1.7	1.7	1.3	1.0	1.7	1.0	1.4
Mean	2.5	3.3	2.0	2.8	2.7	3.7	2.9	2.9

Bridgets

SEPTORIA NODORUM EAR% 11-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	60.0	10.7	11.3	5.0	3.0	2.7	2.3	13.6
Buster	20.7	7.0	5.7	2.0	2.3	1.7	1.7	5.9
Consort	10.7	5.7	6.3	3.0	2.3	1.7	2.3	4.6
Equinox	26.7	7.0	9.0	3.7	3.7	3.0	2.0	7.9
Hereward	20.7	9.0	10.7	5.7	3.3	4.3	2.7	8.0
Rialto	35.0	11.7	15.0	6.3	5.7	7.0	5.7	12.3
Riband	13.0	7.0	6.3	3.0	2.0	2.7	1.3	5.0
Savannah	12.3	4.3	7.0	3.0	2.3	2.3	1.3	4.7
Soissons	12.3	4.3	4.3	1.7	1.7	1.0	0.7	3.7
Spark	7.0	3.0	3.7	2.3	2.0	1.7	0.4	2.9
Mean	21.8	7.0	7.9	3.6	2.8	2.8	2.0	6.9

Bridgets

GREEN LEAF AREA%(FLAG) 08-Jun-98 GS66

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	71.0	97.0	97.0	97.0	97.0	97.0	97.7	93.4
Buster	93.7	93.7	94.3	94.3	95.7	94.3	95.0	94.4
Consort	95.0	94.3	95.7	94.3	94.3	94.3	94.3	94.6
Equinox	96.3	96.3	95.7	95.0	95.0	97.0	97.0	96.0
Hereward	95.0	94.3	95.0	94.3	93.7	94.3	95.0	94.5
Rialto	95.0	95.0	95.0	95.7	95.7	95.7	97.0	95.6
Riband	95.0	94.3	95.7	95.0	96.3	95.0	95.7	95.3
Savannah	95.7	95.0	95.7	95.0	95.0	95.0	97.0	95.5
Soissons	95.7	95.0	94.3	94.3	95.0	95.0	97.0	95.2
Spark	95.0	94.3	94.3	93.7	96.3	96.3	94.3	94.9
Mean	92.7	94.9	95.3	94.9	95.4	95.4	96.0	94.9

Bridgets

GREEN LEAF AREA%(L2) 08-Jun-98 GS66

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	53.3	95.7	94.3	94.3	95.0	97.0	97.7	89.6
Buster	70.0	94.3	93.3	93.3	93.3	97.7	97.7	91.4
Consort	92.7	95.0	95.7	97.0	96.3	97.0	96.3	95.7
Equinox	46.7	90.0	92.7	93.3	95.7	97.7	97.7	87.7
Hereward	91.0	93.7	95.0	93.7	93.0	94.3	94.3	93.6
Rialto	90.3	95.7	95.0	95.7	96.3	95.7	96.3	95.0
Riband	91.0	95.7	95.7	95.7	96.3	96.3	97.0	95.4
Savannah	93.3	97.0	97.0	97.0	97.0	97.0	97.0	96.5
Soissons	48.3	89.3	90.3	92.7	92.3	97.7	66.3	82.4
Spark	95.7	95.7	97.0	97.0	96.3	97.7	97.0	96.6
Mean	77.2	94.2	94.6	95.0	95.2	96.8	93.7	92.4

Bridgets

GREEN LEAF AREA%(L3) 08-Jun-98 GS66

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	15.0	80.0	60.0	87.3	80.7	96.3	96.3	73.7
Buster	26.7	70.0	66.7	73.3	65.0	94.3	95.7	70.2
Consort	40.0	80.0	78.3	88.3	87.3	96.3	94.3	80.7
Equinox	15.0	55.0	51.7	78.3	65.0	95.7	95.0	65.1
Hereward	66.7	81.7	75.0	88.3	83.3	92.0	92.7	82.8
Rialto	61.7	88.3	75.0	89.0	88.3	93.3	94.3	84.3
Riband	26.7	81.7	71.7	91.0	86.7	91.0	93.3	77.4
Savannah	46.7	90.7	86.7	91.7	92.7	96.3	95.7	85.8
Soissons	20.7	45.0	51.7	63.3	61.7	80.0	76.7	57.0
Spark	80.0	91.7	88.3	94.3	94.3	95.7	96.3	91.5
Mean	39.9	76.4	70.5	84.5	80.5	93.1	93.0	76.8

Bridgets

GREEN LEAF AREA%(L4) 08-Jun-98 GS66

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	28.3	4.0	43.3	28.3	80.0	86.7	38.7
Buster	1.7	25.0	5.0	48.3	25.7	71.7	70.0	35.3
Consort	1.7	20.0	8.3	53.3	36.7	70.0	68.3	36.9
Equinox	0.0	25.0	4.7	46.7	30.0	73.3	86.7	38.0
Hereward	6.3	60.0	21.7	66.7	66.7	76.7	76.7	53.5
Rialto	1.7	75.0	18.3	71.7	63.3	75.0	85.0	55.7
Riband	0.0	30.0	0.0	66.7	15.0	61.7	60.0	33.3
Savannah	5.7	55.0	35.0	81.7	61.7	80.0	81.7	57.2
Soissons	0.0	0.0	0.0	2.3	0.0	13.3	22.3	5.4
Spark	0.0	45.0	15.7	60.0	60.0	58.3	71.7	44.4
Mean	1.7	36.3	11.3	54.1	38.7	66.0	70.9	39.9

Bridgets

GREEN LEAF AREA%(FLAG) 01-Jul-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	20.0	96.3	96.3	97.3	97.7	98.0	97.7	86.2
Buster	45.0	93.0	92.0	93.7	93.0	92.7	93.0	86.0
Consort	91.0	94.3	93.7	95.7	95.0	96.3	95.0	94.4
Equinox	86.7	93.7	94.3	95.7	94.3	95.0	95.0	93.5
Hereward	93.7	94.3	94.3	95.0	93.7	95.0	95.7	94.5
Rialto	91.0	94.3	93.7	95.0	95.0	95.0	95.0	94.1
Riband	72.3	95.0	93.0	96.3	96.0	95.0	95.0	91.8
Savannah	86.7	95.0	95.7	97.0	97.3	95.7	97.0	94.9
Soissons	33.3	91.0	78.3	93.0	92.0	94.3	94.0	82.3
Spark	91.0	94.3	95.0	93.7	95.7	95.0	95.0	94.2
Mean	71.1	94.1	92.6	95.2	95.0	95.2	95.2	91.2

Bridgets

GREEN LEAF AREA%(L2) 01-Jul-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	5.0	82.3	71.7	91.7	95.0	95.7	96.3	76.8
Buster	10.0	90.7	74.3	91.0	86.3	97.0	95.7	77.9
Consort	40.0	91.7	79.3	95.0	94.3	96.3	95.7	84.6
Equinox	25.0	86.7	83.3	92.0	92.0	95.0	95.7	81.4
Hereward	63.3	87.3	79.0	89.3	89.0	89.0	91.7	84.1
Rialto	48.3	90.0	70.0	93.3	92.3	91.7	93.3	82.7
Riband	9.0	86.3	68.3	89.3	91.7	93.7	92.7	75.9
Savannah	48.3	93.3	91.7	95.0	95.7	97.0	97.0	88.3
Soissons	0.0	48.3	21.7	71.7	68.3	77.7	83.3	53.0
Spark	58.3	95.0	91.7	95.0	96.3	97.0	97.0	90.0
Mean	30.7	85.2	73.1	90.3	90.1	93.0	93.8	79.5

Bridgets

GREEN LEAF AREA%(L3) 01-Jul-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	28.3	6.0	5.3	43.3	78.3	73.3	40.4
Buster	0.0	40.0	10.7	66.7	36.7	81.7	76.7	44.6
Consort	3.3	53.3	28.3	76.0	58.3	87.7	85.0	56.0
Equinox	0.0	21.7	6.0	65.0	51.7	80.0	83.3	44.0
Hereward	5.0	61.7	25.0	78.3	61.7	76.0	68.3	53.7
Rialto	0.0	45.0	22.3	74.3	63.3	71.7	76.7	50.5
Riband	0.0	35.0	15.0	58.3	55.0	70.0	70.0	43.3
Savannah	1.7	55.0	41.7	72.3	80.0	81.7	88.3	60.1
Soissons	0.0	6.7	0.0	18.3	20.0	35.0	36.7	16.7
Spark	6.7	66.7	60.0	71.7	73.3	83.3	76.7	62.6
Mean	1.7	41.3	21.5	63.4	54.3	74.5	73.5	47.2

Bridgets

GREEN LEAF AREA%(L4) 01-Jul-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	0.0	0.0	9.0	1.7	35.0	26.7	10.3
Buster	0.0	0.0	0.0	6.7	0.0	20.0	6.7	4.8
Consort	0.0	1.0	0.0	2.7	5.0	21.7	25.0	7.9
Equinox	0.0	0.0	0.0	5.0	4.7	8.3	21.7	5.7
Hereward	0.0	5.0	0.0	21.0	12.3	11.7	15.0	9.3
Rialto	0.0	3.3	0.0	8.3	6.7	18.3	8.3	6.4
Riband	0.0	0.0	0.0	10.0	0.0	1.7	3.3	2.1
Savannah	0.0	3.3	0.0	23.3	26.7	38.3	43.3	19.3
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	1.0	1.7	5.0	5.0	5.7	1.0	2.8
Mean	0.0	1.4	0.2	9.1	6.2	16.1	15.1	6.9

Cockle Park

YELLOW RUST%(FLAG) 17-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	58.3	0.7	0.0	5.3	0.0	0.0	0.0	9.2
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Savannah	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	6.3	0.1	0.0	0.5	0.0	0.0	0.0	1.0

Cockle Park

YELLOW RUST%(L2) 17-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	75.0	5.0	0.0	13.3	0.0	0.0	0.0	13.3
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Savannah	3.7	0.0	0.0	1.7	0.0	0.0	0.0	0.8
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	8.3	0.5	0.0	1.5	0.0	0.0	0.0	1.5

Cockle Park

YELLOW RUST%(L3) 17-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	75.0	0.3	0.0	3.7	0.0	0.0	0.0	11.3
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Savannah	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	8.1	0.0	0.0	0.4	0.0	0.0	0.0	1.2

Cockle Park

YELLOW RUST%(FLAG) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	95.0	2.0	0.0	0.7	0.0	0.0	0.0	14.0
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.2
Hereward	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Soissons	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	9.9	0.2	0.0	0.2	0.0	0.0	0.0	1.5

Cockle Park

YELLOW RUST%(L2) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	98.3	3.7	0.0	3.3	0.0	0.0	0.0	15.0
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0	0.0	16.7	0.0	0.0	0.0	2.4
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	10.5	0.4	0.0	2.0	0.0	0.0	0.0	1.8

Cockle Park

YELLOW RUST%(L3) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	100.0	0.0	0.0	33.3	0.0	0.0	0.0	19.0
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0	0.0	31.7	0.0	0.0	0.0	4.5
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	10.0	0.0	0.0	6.5	0.0	0.0	0.0	2.4

Cockle Park

BROWN RUST%(FLAG) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buster	20.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
Consort	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3

Cockle Park

BROWN RUST%(L2) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buster	25.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
Consort	18.3	0.0	0.0	0.0	0.0	0.0	0.0	2.6
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6

Cockle Park

BROWN RUST%(L3) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buster	18.3	0.0	0.0	0.0	0.0	0.0	0.0	2.6
Consort	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3

Cockle Park

SEPTORIA TRITICI% 14-Apr-98 GS31

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	8.0							
Buster	13.3							
Consort	13.0							
Equinox	8.0							
Hereward	6.3							
Rialto	10.7							
Riband	10.3							
Savannah	6.3							
Soissons	5.7							
Spark	5.0							
Mean	8.7							

Cockle Park

SEPTORIA TRITICI%(L4) 18-May-98 GS37

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	5.0	2.3	3.7	5.0	2.3	3.7	0.7	3.2
Buster	6.7	4.0	1.0	2.3	1.3	2.3	2.3	2.9
Consort	6.7	1.0	2.3	2.3	3.7	3.7	1.0	3.0
Equinox	3.7	1.0	2.3	2.3	2.3	0.7	1.0	1.9
Hereward	5.0	6.7	3.7	5.0	1.0	3.7	2.3	3.9
Rialto	3.7	1.0	6.7	3.7	3.7	1.0	2.3	3.1
Riband	5.0	3.7	2.3	5.0	1.0	5.3	1.0	3.3
Savannah	5.0	2.3	12.0	1.0	2.3	5.0	1.0	4.1
Soissons	2.3	1.0	1.0	1.0	5.0	3.7	1.0	2.1
Spark	3.7	1.0	2.3	3.7	2.3	3.7	2.3	2.7
Mean	4.7	2.4	3.7	3.1	2.5	3.3	1.5	3.0

Cockle Park

SEPTORIA TRITICI%(L3) 17-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	5.0	0.7	18.3	0.0	0.0	0.3	3.5
Buster	43.3	1.0	2.0	2.3	0.3	0.0	0.3	7.0
Consort	15.0	0.7	0.0	2.3	0.3	0.0	0.3	2.7
Equinox	5.0	0.3	0.3	0.7	0.0	0.3	0.0	1.0
Hereward	3.0	0.3	0.7	2.3	0.3	0.0	0.7	1.0
Rialto	6.7	3.7	2.0	3.7	2.0	0.3	0.7	2.7
Riband	38.3	3.7	0.3	2.7	0.0	0.3	0.0	6.5
Savannah	0.3	0.3	0.0	2.0	0.0	0.0	0.0	0.4
Soissons	15.0	8.7	2.3	3.3	0.3	0.7	1.7	4.6
Spark	1.0	0.3	0.0	0.7	0.0	0.0	0.0	0.3
Mean	12.8	2.4	0.8	3.8	0.3	0.2	0.4	3.0

Cockle Park

SEPTORIA TRITICI%(L4) 17-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	34.3	4.0	36.7	5.3	2.3	3.0	12.2
Buster	91.7	28.3	60.0	66.7	18.3	3.7	5.3	39.1
Consort	91.7	27.3	13.3	31.7	9.3	1.7	10.3	26.5
Equinox	66.7	27.3	21.7	26.7	4.0	6.0	2.3	22.1
Hereward	36.7	10.3	13.3	6.7	3.0	2.3	5.3	11.1
Rialto	55.0	36.7	18.3	18.3	18.3	11.7	3.7	23.1
Riband	100.0	38.3	6.7	53.3	9.0	18.3	5.3	33.0
Savannah	45.0	6.7	5.0	15.0	2.7	2.7	3.7	11.5
Soissons	83.3	37.3	66.7	66.7	6.7	20.0	35.0	45.1
Spark	10.0	3.0	4.0	6.7	2.3	1.3	3.3	4.4
Mean	58.0	25.0	21.3	32.8	7.9	7.0	7.7	22.8

Cockle Park

SEPTORIA TRITICI%(FLAG) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	1.0	0.7	0.0	0.7	0.3	0.3	0.4
Buster	1.7	0.7	0.7	0.7	1.0	0.7	0.7	0.9
Consort	26.7	1.0	1.0	1.0	1.0	0.7	1.0	4.6
Equinox	11.7	1.0	0.7	0.7	1.0	0.7	1.0	2.4
Hereward	6.7	1.0	1.0	1.0	1.0	0.7	1.0	1.8
Rialto	26.7	0.7	1.0	1.0	1.0	0.7	0.0	4.4
Riband	91.7	1.0	1.0	0.7	1.0	0.7	2.3	14.0
Savannah	40.0	0.7	0.7	1.0	0.3	0.7	0.3	6.2
Soissons	18.3	2.0	2.3	0.3	1.0	2.3	1.0	3.9
Spark	5.0	1.0	0.7	0.7	0.7	1.0	1.0	1.4
Mean	22.8	1.0	1.0	0.7	0.9	0.8	0.9	4.0

Cockle Park

SEPTORIA TRITICI%(L2) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	3.7	1.0	2.0	1.0	0.3	0.7	1.2
Buster	41.7	1.0	1.0	1.0	1.0	0.7	1.0	6.8
Consort	33.3	1.0	1.0	1.0	1.0	0.7	1.0	5.6
Equinox	58.3	1.0	1.0	0.7	1.0	0.7	1.0	9.1
Hereward	15.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0
Rialto	41.7	0.7	1.0	1.0	1.0	0.7	1.0	6.7
Riband	96.7	1.0	1.0	1.0	1.0	0.7	1.0	14.6
Savannah	33.3	1.0	0.7	1.0	0.7	1.0	0.3	5.4
Soissons	30.0	17.3	2.3	0.7	1.0	1.0	2.3	7.8
Spark	15.0	1.0	0.7	1.0	0.7	0.3	1.0	2.8
Mean	36.5	2.9	1.1	1.0	0.9	0.7	1.0	6.3

Cockle Park

SEPTORIA TRITICI%(L3) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	56.7	5.0	16.7	1.3	1.0	2.3	11.9
Buster	81.7	33.7	12.0	36.7	1.0	1.0	1.0	23.9
Consort	71.7	20.0	3.7	33.7	3.7	0.7	10.3	20.5
Equinox	100.0	8.3	28.3	17.0	1.0	2.3	4.0	23.0
Hereward	50.0	8.3	3.7	8.7	1.3	2.7	9.0	12.0
Rialto	81.7	11.7	12.0	15.0	2.3	2.3	1.0	18.0
Riband	100.0	50.3	15.0	80.0	2.3	0.7	2.3	35.8
Savannah	96.7	8.3	2.3	13.3	1.0	0.7	5.0	18.2
Soissons	91.7	38.3	90.0	20.0	2.3	32.3	5.3	40.0
Spark	93.3	11.7	0.3	2.3	1.0	0.3	1.0	15.7
Mean	76.7	24.7	17.2	24.3	1.7	4.4	4.1	21.9

Cockle Park

SEPTORIA TRITICI%(L4) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	100.0	86.7	63.3	58.3	58.3	45.0	58.8
Buster	83.3	98.3	100.0	100.0	33.3	50.0	56.7	74.5
Consort	100.0	100.0	83.3	91.7	53.3	53.3	91.7	81.9
Equinox	100.0	100.0	100.0	50.0	28.3	66.7	73.3	74.0
Hereward	100.0	91.7	81.7	65.0	15.0	10.0	66.7	61.4
Rialto	100.0	98.3	81.7	90.0	56.7	45.0	73.3	77.9
Riband	100.0	100.0	100.0	100.0	56.7	45.0	71.7	81.9
Savannah	100.0	83.3	95.0	91.7	28.3	23.3	36.7	65.5
Soissons	100.0	91.7	100.0	91.7	68.3	91.7	81.7	89.3
Spark	100.0	73.3	28.3	73.3	15.0	6.7	28.3	46.4
Mean	88.3	93.7	85.7	81.7	41.3	45.0	62.5	71.2

Cockle Park

SEPTORIA NODORUM EAR% 15-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Buster	8.3	0.0	0.0	0.0	0.0	0.0	0.0	1.2
Consort	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Equinox	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Hereward	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Rialto	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Riband	7.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Savannah	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Soissons	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Spark	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Mean	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.7

Cockle Park

GREEN LEAF AREA%(FLAG) 18-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	21.7	98.0	100.0	97.7	100.0	100.0	100.0	88.2
Buster	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Consort	100.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
Equinox	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Hereward	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Rialto	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Riband	99.3	100.0	100.0	100.0	100.0	100.0	100.0	99.9
Savannah	99.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9
Soissons	98.3	98.0	97.7	99.0	100.0	100.0	97.7	98.7
Spark	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mean	91.8	99.6	99.8	99.7	100.0	100.0	99.8	98.7

Cockle Park

GREEN LEAF AREA%(L2) 18-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	20.0	80.0	99.7	90.0	100.0	100.0	100.0	84.2
Buster	96.7	99.3	100.0	100.0	100.0	100.0	100.0	99.4
Consort	97.7	99.3	100.0	100.0	100.0	100.0	100.0	99.6
Equinox	99.0	99.7	100.0	100.0	100.0	100.0	100.0	99.8
Hereward	99.3	99.3	99.7	99.3	100.0	100.0	100.0	99.7
Rialto	99.0	99.7	99.7	99.7	100.0	100.0	100.0	99.7
Riband	93.0	99.3	99.7	100.0	100.0	100.0	100.0	98.9
Savannah	88.3	99.7	100.0	99.7	100.0	100.0	100.0	98.2
Soissons	98.0	98.0	99.0	99.0	100.0	99.7	99.0	99.0
Spark	99.7	99.3	99.7	100.0	100.0	100.0	100.0	99.8
Mean	89.1	97.4	99.7	98.8	100.0	100.0	99.9	97.8

Cockle Park

GREEN LEAF AREA%(L3) 18-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	10.0	65.0	96.3	70.0	99.0	99.0	99.0	76.9
Buster	53.3	95.0	97.7	99.0	99.0	99.0	99.0	91.7
Consort	68.3	86.7	97.7	97.7	99.0	99.0	97.7	92.3
Equinox	78.3	96.3	99.0	99.0	99.0	99.0	99.0	95.7
Hereward	96.3	93.3	99.0	96.3	99.0	97.7	97.7	97.0
Rialto	80.0	97.7	97.7	95.0	97.7	96.3	94.7	94.1
Riband	56.7	94.7	99.0	99.0	97.7	99.0	97.7	92.0
Savannah	46.7	94.7	99.0	94.7	99.0	99.3	97.7	90.1
Soissons	80.0	91.3	95.0	96.3	97.7	99.0	95.0	93.5
Spark	96.3	97.7	97.7	99.0	99.0	99.0	98.0	98.1
Mean	66.6	91.2	97.8	94.6	98.6	98.6	97.5	92.1

Cockle Park

GREEN LEAF AREA%(L4) 18-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	5.3	40.0	83.3	33.3	53.3	93.3	88.3	56.7
Buster	0.0	26.7	53.3	36.7	60.0	91.7	88.3	51.0
Consort	13.3	30.0	78.3	46.7	70.0	65.0	61.7	52.1
Equinox	20.0	43.3	66.7	73.3	70.0	90.0	90.0	64.8
Hereward	53.3	70.0	75.0	85.0	85.0	88.3	75.0	76.0
Rialto	43.3	63.3	66.7	46.7	56.7	63.3	50.0	55.7
Riband	5.0	53.3	90.0	40.0	65.0	86.7	88.3	61.2
Savannah	26.7	53.3	73.3	70.0	71.7	93.3	83.3	67.4
Soissons	3.3	45.0	43.3	10.0	53.3	78.3	20.0	36.2
Spark	65.0	88.3	73.3	88.3	88.3	95.0	88.3	83.8
Mean	23.5	51.3	70.3	53.0	67.3	84.5	73.3	60.5

Cockle Park

GREEN LEAF AREA%(FLAG) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	11.7	97.7	99.0	99.0	99.7	99.0	99.7	86.5
Buster	6.7	99.0	99.0	99.0	99.3	99.0	99.7	86.0
Consort	70.0	99.0	99.0	99.0	99.0	99.0	99.0	94.9
Equinox	65.0	99.3	99.0	99.0	99.7	99.0	99.0	94.3
Hereward	95.0	99.0	99.0	99.0	99.0	99.0	99.0	98.4
Rialto	68.3	99.0	99.0	99.0	99.3	99.3	99.0	94.7
Riband	10.0	97.7	99.0	99.0	99.0	99.0	99.0	86.1
Savannah	41.7	99.0	99.0	99.0	99.3	99.0	99.0	90.9
Soissons	85.0	97.7	95.0	97.7	99.0	97.7	96.3	95.5
Spark	93.3	99.0	99.0	99.0	99.0	99.3	99.0	98.2
Mean	54.7	98.6	98.6	98.9	99.2	98.9	98.9	92.5

Cockle Park

GREEN LEAF AREA%(L2) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	3.3	93.3	99.0	94.7	99.0	94.7	99.3	83.3
Buster	3.3	97.7	99.0	99.0	99.7	99.0	99.3	85.3
Consort	21.7	99.0	99.0	99.0	99.0	99.0	99.0	88.0
Equinox	46.7	99.0	99.0	99.0	99.7	99.0	99.0	91.6
Hereward	93.3	99.0	99.0	99.0	99.0	99.0	99.0	98.2
Rialto	50.0	99.0	99.0	99.0	99.3	99.3	99.0	92.1
Riband	3.3	97.7	99.0	99.0	99.0	99.0	99.0	85.1
Savannah	31.7	99.0	99.0	99.0	99.3	99.0	99.0	89.4
Soissons	36.7	96.0	96.3	94.7	99.0	97.7	96.3	88.1
Spark	83.3	99.0	99.0	99.0	99.0	99.3	99.0	96.8
Mean	37.3	97.9	98.7	98.1	99.2	98.5	98.8	89.8

Cockle Park

GREEN LEAF AREA%(L3) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	50.0	90.0	60.0	96.3	82.7	96.3	67.9
Buster	0.0	55.0	73.3	68.3	96.3	96.3	99.0	69.8
Consort	0.0	73.3	96.3	66.7	97.7	97.7	97.7	75.6
Equinox	0.0	46.7	70.0	86.3	98.0	96.3	94.7	70.3
Hereward	81.7	88.3	68.0	97.7	97.7	96.3	96.3	89.4
Rialto	26.7	58.3	96.3	81.3	97.7	96.3	95.0	78.8
Riband	0.0	61.7	80.0	71.7	96.3	96.0	95.0	71.5
Savannah	0.0	73.3	96.3	90.0	99.0	96.0	97.7	78.9
Soissons	0.0	36.3	53.0	55.0	99.0	91.7	73.0	58.3
Spark	40.0	96.3	97.7	96.3	99.0	96.3	96.3	88.9
Mean	14.8	63.9	82.1	77.3	97.7	94.6	94.1	74.9

Cockle Park

GREEN LEAF AREA%(L4) 14-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	1.7	11.7	26.7	50.0	46.7	25.0	23.1
Buster	0.0	6.7	1.7	16.7	18.3	48.3	20.0	16.0
Consort	0.0	0.0	43.3	10.0	38.3	66.7	36.7	27.9
Equinox	0.0	0.0	1.7	30.0	55.0	38.3	8.3	19.0
Hereward	1.7	28.3	1.7	23.3	71.7	73.3	51.7	36.0
Rialto	0.0	3.3	33.3	41.7	43.3	35.0	26.7	26.2
Riband	0.0	1.7	1.7	1.7	50.0	28.3	45.0	18.3
Savannah	0.0	8.3	11.7	21.7	76.7	50.0	21.7	27.1
Soissons	0.0	6.7	3.3	0.0	16.7	3.3	18.3	6.9
Spark	0.0	3.3	61.7	58.3	55.0	53.3	50.0	40.2
Mean	0.2	6.0	17.2	23.0	47.5	44.3	30.3	24.1

Gwent

MILDEW%(L3)

20-May-98 GS39

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Equinox	3.3	6.0	1.7	0.0	0.3	0.0	6.7	2.6
Hereward	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	0.3	0.6	0.2	0.0	0.1	0.0	0.7	0.3

Gwent

MILDEW%(L4)

20-May-98 GS39

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1
Buster	0.4	0.0	0.7	0.0	1.4	0.0	1.7	0.6
Consort	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.1
Equinox	0.3	4.3	1.3	0.3	1.7	0.0	3.7	1.7
Hereward	0.0	0.3	0.7	0.0	0.0	0.0	0.5	0.2
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	0.1	0.5	0.3	0.1	0.3	0.0	0.6	0.3

Gwent

YELLOW RUST%(FLAG) 09-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	15.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Gwent

YELLOW RUST%(L2) 09-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	23.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3

Gwent

YELLOW RUST%(L3) 09-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	8.3	0.0	0.0	0.0	0.0	0.0	0.0	1.2
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Gwent

SEPTORIA TRITICI% 10-Apr-98 GS31

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	13.0							
Buster	15.0							
Consort	16.0							
Equinox	15.3							
Hereward	14.0							
Rialto	16.7							
Riband	12.0							
Savannah	11.0							
Soissons	11.7							
Spark	10.0							
Mean	13.5							

Gwent

SEPTORIA TRITICI%(L3) 21-May-98 GS39

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	6.0	0.3	0.3	0.2	2.0	0.3	0.3	1.4
Buster	8.0	3.0	2.7	2.3	5.7	2.2	1.3	3.6
Consort	8.0	1.7	2.7	1.0	4.0	0.7	0.7	2.7
Equinox	12.7	2.3	4.3	0.4	2.3	1.7	1.3	3.6
Hereward	5.0	2.7	1.3	2.0	2.0	0.3	3.7	2.4
Rialto	6.7	2.0	3.7	0.5	5.0	1.0	1.3	2.9
Riband	8.4	2.3	4.0	3.0	5.3	1.7	1.0	3.7
Savannah	2.3	2.7	1.7	6.3	1.3	0.0	2.8	2.5
Soissons	10.7	3.0	1.3	3.7	4.3	5.7	2.0	4.4
Spark	8.3	1.0	0.4	0.0	0.0	0.0	0.3	1.4
Mean	7.6	2.1	2.2	1.9	3.2	1.4	1.5	2.8

Gwent

SEPTORIA TRITICI%(L4) 21-May-98 GS39

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	30.0	5.7	6.3	10.3	15.7	6.7	6.7	11.6
Buster	31.7	12.0	10.7	17.3	15.7	10.3	7.0	15.0
Consort	33.3	14.0	9.3	10.3	16.0	7.3	6.0	13.8
Equinox	56.7	6.3	9.3	7.7	28.3	8.0	6.7	17.6
Hereward	13.7	9.3	5.0	6.7	9.7	6.3	10.0	8.7
Rialto	28.3	6.7	6.0	6.7	14.7	11.7	10.3	12.0
Riband	33.3	14.3	9.3	11.7	22.3	10.0	7.7	15.5
Savannah	21.0	9.0	4.7	15.3	20.0	9.3	8.0	12.5
Soissons	50.0	12.7	19.3	13.7	14.3	17.0	9.3	19.5
Spark	10.3	1.3	5.3	1.0	4.0	2.0	0.7	3.5
Mean	30.8	9.1	8.5	10.1	16.1	8.9	7.2	13.0

Gwent

SEPTORIA TRITICI%(L2) 09-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	6.7	0.7	0.3	1.3	0.3	0.7	3.3	1.9
Buster	8.3	2.3	3.3	1.0	5.7	2.0	2.3	3.6
Consort	11.7	0.0	0.3	0.7	0.3	0.7	1.3	2.1
Equinox	31.7	1.0	1.3	3.0	2.3	0.0	3.3	6.1
Hereward	5.0	0.3	0.0	0.3	0.3	0.3	0.3	1.0
Rialto	8.3	2.3	3.3	2.7	1.3	1.0	0.7	2.8
Riband	13.3	3.3	0.0	2.7	3.3	1.0	3.3	3.9
Savannah	13.3	0.3	0.0	1.7	0.3	0.3	0.7	2.4
Soissons	23.3	6.7	5.0	2.3	4.0	3.0	4.0	6.9
Spark	1.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2
Mean	12.3	1.7	1.4	1.6	1.8	0.9	1.9	3.1

Gwent

SEPTORIA TRITICI%(L3) 09-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	26.7	9.3	8.3	11.7	19.0	7.3	10.0	13.2
Buster	66.7	23.3	18.3	13.3	35.0	10.0	13.3	25.7
Consort	56.7	4.3	9.7	18.3	3.7	5.7	7.7	15.1
Equinox	93.3	18.3	18.3	18.3	17.7	3.0	15.0	26.3
Hereward	16.7	6.7	3.7	4.0	4.0	3.0	4.0	6.0
Rialto	28.3	8.3	11.7	16.7	26.7	5.7	6.7	14.9
Riband	71.7	12.7	10.7	11.7	21.7	8.3	18.3	22.1
Savannah	51.7	10.0	4.0	13.3	6.3	2.0	8.3	13.7
Soissons	86.7	28.3	30.0	46.7	53.3	13.3	38.3	42.4
Spark	18.3	2.3	6.0	4.0	1.3	1.7	2.0	5.1
Mean	51.7	12.4	12.1	15.8	18.9	6.0	12.4	18.4

Gwent

SEPTORIA TRITICI%(L4) 09-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	90.0	78.3	53.3	83.3	93.3	26.7	56.7	68.8
Buster	100.0	100.0	81.7	66.7	100.0	43.3	45.0	76.7
Consort	100.0	65.0	70.0	76.7	80.0	53.3	60.0	72.1
Equinox	100.0	86.7	96.7	86.7	83.3	31.7	65.0	78.6
Hereward	100.0	31.7	31.7	33.3	23.3	10.0	18.3	35.5
Rialto	93.3	60.0	78.3	71.7	83.3	38.3	45.0	67.1
Riband	100.0	83.3	90.0	100.0	96.7	41.7	83.3	85.0
Savannah	100.0	71.7	56.7	66.7	60.0	15.0	65.0	62.1
Soissons	100.0	83.3	96.7	93.3	100.0	56.7	78.3	86.9
Spark	91.7	31.7	26.7	38.3	20.0	10.0	18.3	33.8
Mean	97.5	69.2	68.2	71.7	74.0	32.7	53.5	66.7

Gwent

SEPTORIA TRITICI%(FLAG) 09-Jul-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	99.3	0.0	0.0	0.0	0.3	0.0	0.0	14.2
Buster	85.0	1.3	2.3	0.7	3.3	0.0	0.3	13.3
Consort	88.3	0.0	0.3	0.0	0.0	0.0	0.0	12.7
Equinox	98.3	0.0	0.7	1.7	0.0	1.7	1.0	14.8
Hereward	60.0	0.0	0.3	0.0	0.0	0.0	0.0	8.6
Rialto	95.0	0.0	4.0	0.0	0.0	0.7	0.3	14.3
Riband	100.0	0.0	0.3	0.0	0.0	0.7	1.7	14.7
Savannah	97.0	0.0	0.0	0.0	0.0	0.0	0.3	13.9
Soissons	100.0	28.3	50.0	43.3	10.7	18.3	26.7	39.6
Spark	46.7	0.0	0.0	0.7	0.0	0.0	0.0	6.8
Mean	87.0	3.0	5.8	4.6	1.4	2.1	3.0	15.3

Gwent

SEPTORIA TRITICI%(L2) 09-Jul-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	100.0	21.7	31.7	20.0	10.7	5.0	10.0	28.4
Buster	100.0	15.0	20.0	6.7	11.7	4.0	6.7	23.4
Consort	100.0	5.0	4.0	3.3	4.0	2.0	5.7	17.7
Equinox	100.0	20.0	23.3	12.7	10.0	4.0	15.0	26.4
Hereward	88.3	5.0	5.0	3.7	2.0	2.0	1.7	15.4
Rialto	100.0	10.0	20.0	10.0	5.7	4.0	8.3	22.6
Riband	100.0	18.3	31.7	8.7	10.3	3.3	23.3	28.0
Savannah	100.0	16.7	5.0	6.7	7.0	9.0	16.7	23.0
Soissons	100.0	51.7	80.0	78.3	38.3	30.0	43.3	60.2
Spark	89.3	1.0	1.0	2.3	1.3	0.0	0.3	13.6
Mean	97.8	16.4	22.2	15.2	10.1	6.3	13.1	25.9

Gwent

SEPTORIA TRITICI%(L3) 09-Jul-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	100.0	76.7	76.7	86.7	66.7	38.3	63.3	72.6
Buster	100.0	83.3	93.3	66.7	80.0	40.0	53.3	73.8
Consort	100.0	43.3	41.7	55.0	46.7	20.0	45.0	50.2
Equinox	100.0	83.3	90.0	73.3	76.7	23.3	61.7	72.6
Hereward	100.0	38.3	50.0	53.3	20.7	16.7	26.7	43.7
Rialto	100.0	60.0	93.3	70.0	55.0	50.0	58.3	69.5
Riband	100.0	68.3	90.0	85.0	55.0	53.3	91.7	77.6
Savannah	100.0	75.0	60.0	65.0	60.0	45.0	56.7	66.0
Soissons	100.0	100.0	100.0	100.0	83.3	63.3	96.7	91.9
Spark	100.0	28.3	30.0	20.0	23.3	5.0	15.0	31.7
Mean	100.0	65.7	72.5	67.5	56.7	35.5	56.8	65.0

GwentFUSARIUM EAR% *M. nivale* 30-Jul-98 GS83

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
								8.8
Brigadier	50.0	1.0	1.0	2.0	5.0	2.0	0.5	
Buster	40.0	10.0	10.0	50.0	2.0	0.5	1.0	16.2
Consort	2.0	10.0	20.0	1.0	1.0	2.0	5.0	5.9
Equinox	50.0	50.0	20.0	50.0	10.0	15.0	10.0	29.3
Hereward	10.0	0.0	50.0	20.0	3.0	0.5	2.0	12.2
Rialto	5.0	5.0	0.0	5.0	10.0	0.5	0.0	3.6
Riband	1.0	5.0	10.0	20.0	10.0	1.0	0.5	6.8
Savannah	2.0	0.0	10.0	1.0	10.0	2.0	0.0	3.6
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	1.0	0.0	1.0	0.0	1.0	0.5	0.0	0.5
Mean	16.1	8.1	12.2	14.9	5.2	2.4	1.9	8.7

Gwent

SEPTORIA NODORUM EAR% 30-Jul-98 GS83

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	50.0	15.0	25.0	15.0	0.0	10.0	5.0	17.1
Buster	50.0	20.0	20.0	20.0	0.0	1.0	5.0	16.6
Consort	60.0	15.0	10.0	25.0	0.0	3.0	5.0	16.9
Equinox	50.0	25.0	30.0	25.0	2.0	15.0	5.0	21.7
Hereward	35.0	25.0	40.0	30.0	0.0	5.0	5.0	20.0
Rialto	60.0	30.0	30.0	35.0	1.0	5.0	2.0	23.3
Riband	40.0	20.0	30.0	5.0	0.0	2.0	1.0	14.0
Savannah	50.0	30.0	10.0	10.0	0.0	5.0	2.0	15.3
Soissons	35.0	10.0	10.0	10.0	3.0	5.0	10.0	11.9
Spark	20.0	5.0	30.0	20.0	0.0	10.0	0.0	12.1
Mean	45.0	19.5	23.5	19.5	0.6	6.1	4.0	16.9

Gwent
 GREEN LEAF AREA%(FLAG) 05-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	95.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3
Buster	98.3	100.0	100.0	100.0	100.0	100.0	100.0	99.8
Consort	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Equinox	98.7	100.0	100.0	100.0	100.0	100.0	100.0	99.8
Hereward	97.3	100.0	99.3	99.3	99.3	100.0	99.3	99.2
Rialto	99.0	100.0	100.0	100.0	100.0	100.0	100.0	99.9
Riband	100.0	100.0	99.3	99.3	100.0	100.0	100.0	99.8
Savannah	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Soissons	97.7	100.0	100.0	100.0	100.0	100.0	98.7	99.5
Spark	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mean	98.6	100.0	99.9	99.9	99.9	100.0	99.8	99.7

Gwent
 GREEN LEAF AREA%(L2) 05-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	88.3	96.7	99.7	98.7	99.0	100.0	99.7	97.4
Buster	90.0	98.0	86.7	98.0	96.0	98.0	97.7	94.9
Consort	94.3	100.0	99.3	99.3	98.7	100.0	97.7	98.5
Equinox	85.7	99.3	98.3	98.7	97.7	98.7	98.3	96.7
Hereward	94.3	96.7	94.3	97.0	95.3	98.7	97.7	96.3
Rialto	96.0	98.0	99.7	98.0	98.3	99.3	98.0	98.2
Riband	84.0	96.7	98.0	97.7	97.3	98.7	97.3	95.7
Savannah	94.3	98.3	100.0	100.0	99.7	99.3	98.7	98.6
Soissons	86.7	97.0	96.0	97.0	93.7	99.3	90.0	94.2
Spark	98.0	99.7	100.0	100.0	98.3	100.0	99.3	99.3
Mean	91.2	98.0	97.2	98.4	97.4	99.2	97.4	97.0

Gwent

GREEN LEAF AREA%(L3) 05-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	68.3	85.0	90.0	90.0	83.3	89.3	96.0	86.0
Buster	33.3	83.3	70.0	86.7	78.3	91.0	91.0	76.2
Consort	76.7	91.7	95.0	88.3	91.7	97.0	94.3	90.7
Equinox	53.3	90.7	86.7	80.0	76.7	92.7	83.3	80.5
Hereward	81.7	93.3	89.3	97.0	85.0	96.0	95.3	91.1
Rialto	76.7	86.7	89.0	88.3	89.0	91.7	91.7	87.6
Riband	46.7	85.0	90.3	78.3	81.7	93.3	88.3	80.5
Savannah	65.0	90.0	90.0	90.0	85.0	98.7	83.3	86.0
Soissons	21.7	78.3	80.0	71.7	71.7	93.3	78.3	70.7
Spark	85.0	97.0	97.7	98.3	95.3	98.7	97.7	95.7
Mean	60.8	88.1	87.8	86.9	83.8	94.2	89.9	84.5

Gwent

GREEN LEAF AREA%(L4) 05-Jun-98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	40.0	61.7	58.3	28.3	75.0	71.7	47.9
Buster	0.0	26.7	31.7	56.7	18.3	70.0	53.3	36.7
Consort	6.7	38.3	58.3	41.7	23.3	81.7	61.7	44.5
Equinox	1.7	30.0	33.3	10.0	25.0	63.3	56.7	31.4
Hereward	13.3	76.7	63.3	83.3	58.3	81.7	83.3	65.7
Rialto	11.7	45.0	45.0	43.3	21.7	66.7	60.0	41.9
Riband	1.7	21.7	51.7	13.3	15.0	56.7	43.3	29.0
Savannah	3.3	33.3	46.7	48.3	15.0	81.7	45.0	39.0
Soissons	0.0	26.7	16.7	18.3	3.3	61.7	25.0	21.7
Spark	20.0	63.3	76.7	80.0	56.7	86.7	76.7	65.7
Mean	5.8	40.2	48.5	45.3	26.5	72.5	57.7	42.4

Gwent

GREEN LEAF AREA%(FLAG) 13-Jul-98 GS77

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	8.3	91.7	88.3	93.3	93.3	94.3	91.7	80.1
Buster	0.0	83.3	80.0	85.0	88.3	83.3	81.7	71.7
Consort	0.0	95.0	90.0	93.3	93.3	95.0	93.3	80.0
Equinox	0.0	85.0	78.3	85.0	92.7	86.7	83.3	73.0
Hereward	18.3	86.7	88.3	90.0	92.7	93.3	95.0	80.6
Rialto	1.7	83.3	78.3	85.0	88.3	86.7	88.3	73.1
Riband	0.0	90.0	88.3	91.7	95.0	91.7	91.7	78.3
Savannah	0.0	91.7	90.0	93.3	93.3	94.3	93.3	79.4
Soissons	0.0	46.7	30.0	38.3	53.3	53.3	50.0	38.8
Spark	30.0	91.7	90.0	91.7	95.0	91.7	93.3	83.3
Mean	5.8	84.5	80.2	84.7	88.5	87.0	86.2	73.8

Gwent

GREEN LEAF AREA%(L2) 13-Jul-98 GS77

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	61.7	61.7	60.0	60.0	76.7	61.7	54.5
Buster	0.0	60.0	56.7	58.3	60.0	65.0	63.3	51.9
Consort	0.0	65.0	66.7	75.0	73.3	81.7	81.7	63.3
Equinox	0.0	61.7	51.7	75.0	63.3	80.0	66.7	56.9
Hereward	0.0	75.0	71.7	73.3	76.7	83.3	78.3	65.5
Rialto	0.0	61.7	58.3	65.0	70.0	76.7	68.3	57.1
Riband	0.0	65.0	65.0	60.0	66.7	71.7	61.7	55.7
Savannah	0.0	75.0	66.7	65.0	76.7	83.3	70.0	62.4
Soissons	0.0	0.0	5.0	5.0	16.7	25.0	13.3	9.3
Spark	0.0	75.0	75.0	81.7	83.3	91.7	85.0	70.2
Mean	0.0	60.0	57.8	61.8	64.7	73.5	65.0	54.7

Gwent

GREEN LEAF AREA%(L3) 13-Jul-98 GS77

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	1.7	3.3	5.0	6.7	38.3	0.0	7.9
Buster	0.0	0.0	0.0	2.3	1.7	11.7	0.0	2.2
Consort	0.0	5.0	10.0	23.3	8.3	36.7	23.3	15.2
Equinox	0.0	0.0	1.7	0.0	6.7	36.7	0.0	6.4
Hereward	0.0	16.7	3.3	8.3	13.3	46.7	33.3	17.4
Rialto	0.0	0.0	0.0	3.3	10.0	33.3	16.7	9.0
Riband	0.0	1.7	0.0	0.0	5.0	21.7	1.7	4.3
Savannah	0.0	6.7	8.3	8.3	16.7	46.7	26.7	16.2
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	10.0	21.7	31.7	21.7	55.0	26.7	23.8
Mean	0.0	4.2	4.8	8.2	9.0	32.7	12.8	10.2

Gwent

EYESPOT DI 08/07/98 GS85

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	65.3	65.3	71.9	63.1	71.9	71.7	68.3	68.2
Buster	63.1	52.5	68.6	45.0	62.2	56.7	57.5	57.9
Consort	58.9	47.5	69.4	53.2	63.3	52.5	55.0	57.1
Equinox	67.2	60.8	68.9	66.1	65.3	67.2	63.3	65.6
Hereward	65.0	56.7	70.0	64.7	63.9	56.7	70.0	63.9
Rialto	62.8	57.5	68.3	46.7	65.0	63.6	59.2	60.4
Riband	64.2	54.7	63.9	69.7	59.4	56.1	66.4	62.1
Savannah	63.9	59.2	70.8	63.9	66.4	66.7	61.4	64.6
Soissons	73.9	60.0	75.8	63.3	67.8	72.2	71.4	69.2
Spark	70.6	55.0	65.0	57.1	61.9	52.3	67.2	61.3
Mean	65.5	56.9	69.3	59.3	64.7	61.6	64.0	63.0

Gwent

LEANING%

12-Aug-98 GS92

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Hereward	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.2
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1
Savannah	0.0	0.0	0.0	0.0	0.0	10.0	0.0	1.4
Soissons	66.7	36.7	50.0	40.0	26.7	18.3	31.7	38.6
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	6.9	3.7	5.2	4.0	2.7	2.8	3.2	4.1

Gwent

LODGING%

12-Aug-98 GS92

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	0.0	1.7	0.0	4.0	5.0	3.3	2.0
Buster	0.0	0.0	0.0	0.0	7.3	0.0	0.0	1.0
Consort	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.1
Equinox	0.0	0.0	0.7	0.0	1.7	0.0	0.0	0.3
Hereward	0.7	0.0	0.0	0.0	2.7	0.0	2.3	0.8
Rialto	0.0	0.0	0.0	0.0	4.0	0.0	1.7	0.8
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	0.0	1.7	8.3	0.0	15.7	0.0	4.7	4.3
Soissons	0.0	0.0	21.7	0.0	26.7	20.0	6.7	10.7
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	0.1	0.2	3.2	0.0	6.3	2.5	1.9	2.0

Morley

SEPTORIA TRITICI% 23-Apr-98 GS32

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	6.7							
Buster	6.0							
Consort	8.0							
Equinox	7.3							
Hereward	3.2							
Rialto	6.7							
Riband	11.3							
Savannah	7.3							
Soissons	4.7							
Spark	3.2							
Mean	6.4							

Morley

SEPTORIA TRITICI%(L3) 18-May-98 GS39

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.1
Buster	2.8	0.0	0.0	0.2	0.1	0.1	0.0	0.5
Consort	2.1	0.2	0.0	0.1	0.2	0.0	0.0	0.4
Equinox	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Hereward	0.4	1.2	0.4	0.5	0.1	0.2	0.0	0.4
Rialto	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.1
Riband	1.8	0.1	0.0	0.1	0.1	0.0	0.0	0.3
Savannah	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Soissons	1.7	1.0	0.5	0.4	1.1	0.1	0.4	0.7
Spark	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Mean	1.1	0.3	0.1	0.1	0.2	0.0	0.0	0.3

Morley

SEPTORIA TRITICI%(L4) 18-May-98 GS39

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	10.0	1.4	1.5	1.5	1.9	1.7	2.5	2.9
Buster	15.0	1.2	1.2	2.0	1.8	1.4	1.1	3.4
Consort	18.3	3.5	1.5	2.0	3.5	2.4	1.8	4.7
Equinox	12.0	3.2	0.9	2.2	1.8	1.0	1.7	3.3
Hereward	7.0	3.7	3.5	4.7	4.0	3.3	3.3	4.2
Rialto	7.7	1.6	1.0	1.5	2.7	1.6	1.2	2.5
Riband	20.7	2.5	1.3	2.0	2.2	2.5	1.5	4.7
Savannah	17.0	1.8	1.0	1.8	2.0	1.4	2.3	3.9
Soissons	7.3	3.7	2.5	2.8	3.0	4.0	2.5	3.7
Spark	3.8	0.9	0.7	1.0	1.6	0.8	0.7	1.4
Mean	11.9	2.4	1.5	2.2	2.5	2.0	1.9	3.5

MorleySEPTORIA TRITICI% 12-Jun-98 GS73
mean top 3 leaves

Variety	Fungicide Treatment							U**
	U*	T*	E*	S1*	S2*	S3*	S4*	
Brigadier	1.1	0.4	0.2	0.3	0.4	0.3	0.3	
Buster	1.2	0.3	0.4	0.2	0.4	0.1	0.2	9.7
Consort	0.8	0.6	0.4	0.3	0.7	0.3	0.4	12.0
Equinox	0.6	0.2	0.3	0.1	0.3	0.6	0.2	10.7
Hereward	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.3
Rialto	0.7	0.4	0.3	0.2	0.7	0.3	0.2	9.3
Riband	1.1	0.2	0.1	0.1	0.2	0.1	0.1	23.3
Savannah	0.7	0.2	0.2	0.2	0.3	0.0	0.1	16.0
Soissons	1.7	0.4	0.7	0.6	0.9	0.5	0.5	18.3
Spark	0.6	0.1	0.0	0.1	0.1	0.0	0.1	4.0
Mean	0.9	0.3	0.3	0.2	0.4	0.2	0.2	11.9

* = plus Landmark 0.75 l/ha at GS39

** Untreated plots in adjacent Recommended List Trial, GS 74 24-June-98

Morley

SEPTORIA TRITICI% 14-Jul-98 GS75
mean top 3 leaves

Variety	Fungicide Treatment						U**	
	U*	T*	E	S1*	S2*	S3*		S4*
Brigadier		11.3		2.0	1.2	1.3	0.7	
Buster		7.0		0.6	0.7	0.2	0.4	9.7
Consort		4.4		0.7	1.0	0.3	0.2	12.0
Equinox		11.0		1.8	1.2	2.7	0.6	10.7
Hereward		8.3		3.4	0.8	1.8	1.9	3.3
Rialto		8.7		1.1	0.9	0.5	0.5	9.3
Riband		6.7		0.6	0.3	0.3	0.6	23.3
Savannah		7.2		0.9	1.4	0.7	0.8	16.0
Soissons		12.3		3.7	1.7	1.5	1.8	18.3
Spark		1.8		0.7	0.1	0.3	0.1	4.0
Mean		7.9		1.6	0.9	1.0	0.8	11.9

* = plus Landmark 0.75 l/ha at GS39

** Untreated plots in adjacent Recommended List Trial, GS 74 24-June-98

Morley

YELLOW RUST% 24-6-98 GS74
mean

Variety	Fungicide Treatment						Mean	
	U**	T	E	S1	S2	S3		S4
Brigadier	75.0							
Buster	0.0							
Consort	0.0							
Equinox	0.0							
Hereward	0.0							
Rialto	0.0							
Riband	0.0							
Savannah	4.7							
Soissons	0.0							
Spark	0.0							
Mean	8.0							

** Untreated plots in adjacent Recommended List Trial

Morley

YELLOW RUST% 24-6-98 GS74
mean

Variety	Fungicide Treatment							Mean
	U**	T	E	S1	S2	S3	S4	
Brigadier	#							
Buster	25.0							
Consort	1.3							
Equinox	0.0							
Hereward	0.1							
Rialto	0.4							
Riband	1.2							
Savannah	0.0							
Soissons	4.7							
Spark	0.6							
Mean	3.7							

** Untreated plots in adjacent Recommended List Trial

Wye

MILDEW%(L4) 03-Jun-98 GS55

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buster	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Consort	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Equinox	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Hereward	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Rialto	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Riband	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Wye

YELLOW RUST%(FLAG) 03-Jun-98 GS55

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	78.3	0.0	0.0	0.0	0.0	0.0	0.0	11.2
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	8.1	0.0	0.0	0.0	0.0	0.0	0.0	1.2

Wye

YELLOW RUST%(L2) 03-Jun-98 GS55

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	75.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	7.9	0.0	0.0	0.0	0.0	0.0	0.0	1.1

Wye

BROWN RUST%(FLAG) 29-Jun-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buster	24.3	0.0	0.0	0.0	0.0	0.0	0.0	3.5
Consort	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	16.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3
Riband	9.3	0.0	0.1	0.0	0.0	0.0	0.0	1.3
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	40.0	0.0	1.0	0.0	0.0	0.0	0.0	5.9
Spark	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Mean	10.5	0.0	0.1	0.0	0.0	0.0	0.0	1.4

Wye

BROWN RUST%(L2) 29-Jun-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buster	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	8.3	0.0	0.0	0.0	0.0	0.0	0.0	1.2
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	15.3	0.0	0.0	0.0	0.0	0.0	0.0	2.2
Riband	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Savannah	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soissons	#	0.0	2.0	0.0	0.0	0.0	0.0	0.3
Spark	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Mean	4.7	0.0	0.2	0.0	0.0	0.0	0.0	0.5

Wye

SEPTORIA TRITICI% 17-Apr-98 GS31

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	4.2	4.0	2.8	3.3	3.2	3.8	3.7	3.6
Buster	3.8	3.0	3.0	2.8	3.8	3.5	3.8	3.4
Consort	4.3	3.7	3.8	3.3	4.0	3.7	3.8	3.8
Equinox	3.5	2.7	2.2	3.0	2.8	2.5	2.8	2.8
Hereward	2.8	2.3	1.8	2.3	2.7	2.7	2.3	2.4
Rialto	4.3	3.5	3.2	3.2	3.7	3.5	3.5	3.5
Riband	4.5	3.7	3.7	3.3	4.2	3.8	3.5	3.8
Savannah	4.5	3.2	3.7	3.0	3.7	3.7	3.3	3.6
Soissons	3.8	2.7	2.5	2.8	3.5	2.8	2.8	3.0
Spark	2.2	1.7	1.3	1.7	1.8	1.7	2.0	1.8
Mean	3.8	3.0	2.8	2.9	3.3	3.2	3.2	3.2

Wye

SEPTORIA TRITICI% 07-May-98 GS35

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	4.2	1.0	0.7	1.3	1.0	1.2	1.0	1.5
Buster	4.0	1.0	0.7	1.3	0.9	1.0	0.6	1.4
Consort	8.3	1.3	1.0	1.7	1.0	1.7	1.7	2.4
Equinox	4.5	0.7	0.6	0.9	0.7	0.7	0.7	1.2
Hereward	3.5	1.0	0.9	0.7	0.4	1.2	1.2	1.3
Rialto	5.3	1.5	1.2	1.3	1.7	1.5	1.5	2.0
Riband	8.7	1.5	1.3	1.8	1.3	2.0	1.7	2.6
Savannah	8.3	1.7	1.5	1.8	1.5	1.8	1.8	2.6
Soissons	3.3	1.7	1.5	1.8	1.3	1.3	1.7	1.8
Spark	3.7	0.4	0.4	0.7	0.4	0.6	1.3	1.1
Mean	5.4	1.2	1.0	1.3	1.0	1.3	1.3	1.8

Wye

SEPTORIA TRITICI%(L3) 03-Jun-98 GS55

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buster	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Consort	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Equinox	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	6.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0
Savannah	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Soissons	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Wye

SEPTORIA TRITICI%(L4) 03-Jun-98 GS55

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buster	18.3	0.0	0.0	0.0	0.0	0.0	0.0	2.6
Consort	34.3	0.0	0.0	0.0	0.0	0.0	0.0	4.9
Equinox	13.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0
Hereward	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Rialto	9.7	0.0	0.0	0.0	0.0	0.0	0.0	1.4
Riband	33.3	0.0	0.0	0.0	0.0	0.0	0.0	4.8
Savannah	28.3	0.0	0.0	0.0	0.0	0.0	0.0	4.0
Soissons	15.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
Spark	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Mean	16.2	0.0	0.0	0.0	0.0	0.0	0.0	2.6

Wye

SEPTORIA TRITICI%(FLAG) 29-Jun-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buster	12.3	0.0	0.0	0.0	0.0	0.0	0.0	1.8
Consort	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Equinox	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Riband	29.3	0.0	0.0	0.0	0.0	0.0	0.0	4.2
Savannah	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Soissons		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Mean	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7

Wye

SEPTORIA TRITICI%(L2) 29-Jun-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Buster	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	20.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
Equinox	9.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Hereward	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Rialto	12.3	0.0	0.0	0.0	0.0	0.0	0.0	1.8
Riband	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Savannah	27.7	0.0	0.0	0.0	0.0	0.0	0.0	4.0
Soissons	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	12.3	0.0	0.0	0.0	0.0	0.0	0.0	1.8
Mean	13.7	0.0	0.0	0.0	0.0	0.0	0.0	1.2

Wye

SEPTORIA TRITICI%(L3) 29-Jun-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	#	0.7	1.7	0.1	0.4	0.1	0.1	0.5
Buster	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	40.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
Hereward	11.7	0.0	0.0	0.0	0.0	0.0	0.0	1.7
Rialto	20.0	0.4	0.0	0.0	0.0	0.0	0.0	2.9
Riband	#	0.0	1.0	0.0	0.0	0.0	0.0	0.2
Savannah	#	0.1	1.4	0.0	0.1	0.0	0.0	0.3
Soissons	#	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Spark	40.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
Mean	27.9	0.1	0.4	0.0	0.1	0.0	0.0	1.7

Wye

SEPTORIA NODORUM EAR% 07-Jul-98 GS80

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	26.7	0.1	0.4	0.1	0.0	0.0	0.1	3.9
Buster	2.7	0.1	1.1	1.3	0.0	0.1	0.0	0.8
Consort	1.4	0.1	0.1	0.1	0.0	0.1	0.0	0.3
Equinox	3.0	0.4	1.0	0.4	0.0	0.0	0.0	0.7
Hereward	2.7	0.0	0.1	0.1	0.0	0.0	0.0	0.4
Rialto	3.4	0.1	0.3	0.1	0.0	0.0	0.1	0.6
Riband	1.4	0.1	0.1	0.1	0.0	0.0	0.0	0.2
Savannah	1.7	0.0	0.1	0.0	0.0	0.0	0.0	0.3
Soissons	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Spark	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Mean	4.5	0.1	0.3	0.2	0.0	0.0	0.0	0.7

Wye

GREEN LEAF AREA%(FLAG) 15-Jun-98 GS64

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	2.7	99.3	100.0	98.3	100.0	99.3	100.0	85.7
Buster	93.3	100.0	99.3	100.0	99.3	97.0	98.7	98.2
Consort	96.0	97.0	98.7	97.0	98.7	99.3	98.0	97.8
Equinox	98.7	99.3	98.3	98.3	99.3	100.0	100.0	99.1
Hereward	98.7	98.3	100.0	98.7	97.0	100.0	99.3	98.9
Rialto	99.3	98.3	100.0	100.0	100.0	100.0	100.0	99.7
Riband	76.7	97.7	97.7	98.7	97.0	98.7	98.3	95.0
Savannah	80.0	99.3	98.7	99.3	98.3	99.3	99.3	96.3
Soissons	90.0	97.0	98.7	98.0	97.0	98.3	97.7	96.7
Spark	95.0	98.0	99.3	99.3	97.0	98.7	99.3	98.1
Mean	83.0	98.4	99.1	98.8	98.4	99.1	99.1	96.5

Wye

GREEN LEAF AREA%(L2) 15-Jun-98 GS64

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	99.3	100.0	98.3	100.0	100.0	100.0	85.4
Buster	83.3	100.0	100.0	100.0	100.0	99.3	100.0	97.5
Consort	95.0	100.0	100.0	98.3	100.0	100.0	99.3	99.0
Equinox	96.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4
Hereward	95.0	98.3	98.3	98.3	97.7	98.3	99.3	97.9
Rialto	95.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3
Riband	60.0	100.0	100.0	100.0	100.0	100.0	100.0	94.3
Savannah	76.7	100.0	99.3	100.0	100.0	100.0	100.0	96.6
Soissons	83.3	98.3	98.3	100.0	96.7	98.3	98.3	96.2
Spark	95.0	100.0	100.0	100.0	100.0	100.0	100.0	99.3
Mean	77.9	99.6	99.6	99.5	99.4	99.6	99.7	96.5

Wye

GREEN LEAF AREA%(L3) 15-Jun-98 GS64

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	96.7	96.7	96.7	98.3	97.7	100.0	83.7
Buster	71.7	100.0	98.3	100.0	100.0	98.3	98.3	95.2
Consort	81.7	100.0	100.0	98.3	100.0	100.0	96.7	96.7
Equinox	78.3	100.0	100.0	98.3	100.0	100.0	100.0	96.7
Hereward	91.7	98.3	98.3	98.3	97.7	98.3	99.3	97.4
Rialto	80.0	98.3	100.0	99.3	100.0	100.0	100.0	96.8
Riband	40.0	100.0	100.0	100.0	98.3	100.0	100.0	91.2
Savannah	40.0	100.0	97.7	98.3	93.3	98.3	100.0	89.7
Soissons	65.0	98.3	98.3	100.0	96.7	96.7	98.3	93.3
Spark	86.7	100.0	100.0	100.0	100.0	100.0	100.0	98.1
Mean	63.5	99.2	98.9	98.9	98.4	98.9	99.3	93.9

Wye

GREEN LEAF AREA%(L4) 15-Jun-98 GS64

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	88.3	91.0	94.3	94.3	93.3	97.7	79.9
Buster	6.7	96.7	86.0	97.0	83.3	88.3	97.7	79.4
Consort	26.7	95.0	98.3	95.0	96.7	88.3	95.0	85.0
Equinox	0.0	91.7	92.7	89.3	97.0	99.3	95.0	80.7
Hereward	58.3	93.7	95.3	85.0	93.3	98.3	97.7	88.8
Rialto	50.0	88.3	98.3	92.0	97.0	97.7	96.0	88.5
Riband	0.0	84.3	71.7	96.7	92.0	99.3	95.0	77.0
Savannah	15.0	96.7	95.0	95.0	90.0	96.0	96.7	83.5
Soissons	6.7	89.3	82.7	96.7	90.0	90.0	90.0	77.9
Spark	50.0	97.7	99.3	94.3	85.0	100.0	95.0	88.8
Mean	21.3	92.2	91.0	93.5	91.9	95.1	95.6	82.9

Wye

GREEN LEAF AREA%(FLAG) 26-Jun-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	97.0	98.0	97.0	98.0	98.0	98.0	83.7
Buster	71.7	95.0	96.0	96.0	98.0	98.0	97.0	93.1
Consort	86.7	96.0	96.0	96.0	96.0	97.0	96.0	94.8
Equinox	91.7	98.7	97.0	98.0	97.0	97.0	97.7	96.7
Hereward	91.7	95.0	96.0	96.0	96.0	97.0	97.0	95.5
Rialto	85.0	98.0	96.0	98.0	97.0	97.7	95.0	95.2
Riband	56.7	94.3	95.3	93.3	95.0	93.3	96.0	89.1
Savannah	78.3	97.0	96.0	96.0	98.0	97.0	97.0	94.2
Soissons	12.3	92.3	93.3	93.3	95.3	97.0	96.0	82.8
Spark	88.3	95.0	96.0	97.0	97.0	96.0	96.0	95.0
Mean	66.2	95.8	96.0	96.1	96.7	96.8	96.6	92.0

Wye

GREEN LEAF AREA%(L2) 26-Jun-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	95.0	97.0	95.0	98.3	97.0	95.0	82.5
Buster	15.0	96.0	96.0	96.0	98.7	98.0	97.0	85.2
Consort	76.7	96.7	96.7	97.0	96.0	98.3	97.0	94.0
Equinox	88.3	98.7	97.7	97.0	97.7	96.7	98.7	96.4
Hereward	90.0	96.0	96.0	98.7	96.0	97.7	96.0	95.8
Rialto	76.7	98.7	96.0	98.7	97.7	96.7	96.0	94.3
Riband	0.0	96.0	96.0	96.7	96.0	97.0	97.7	82.8
Savannah	61.7	97.0	96.7	97.7	99.3	98.3	98.3	92.7
Soissons	0.0	95.0	95.0	95.0	97.0	97.0	96.0	82.1
Spark	70.0	95.0	96.0	97.7	98.7	96.0	97.0	92.9
Mean	47.8	96.4	96.3	96.9	97.5	97.3	96.9	89.9

Wye

GREEN LEAF AREA%(L3) 26-Jun-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	83.3	91.7	91.7	86.7	95.0	91.7	77.1
Buster	0.0	96.0	96.0	96.0	98.7	98.0	97.0	83.1
Consort	33.3	96.7	96.7	97.0	96.0	98.3	97.0	87.9
Equinox	56.7	93.3	93.3	96.0	96.7	95.0	98.7	90.0
Hereward	78.3	95.0	81.0	98.7	96.0	96.0	95.0	91.4
Rialto	41.7	95.0	96.0	95.3	96.0	95.0	96.0	87.9
Riband	0.0	96.0	95.0	96.7	96.0	97.0	97.7	82.6
Savannah	28.3	96.0	95.0	94.3	96.7	95.0	98.3	86.2
Soissons	0.0	93.3	93.3	95.0	95.0	96.0	96.0	81.2
Spark	60.0	93.3	95.0	98.3	94.3	96.7	97.0	90.7
Mean	29.8	93.8	93.3	95.9	95.2	96.2	96.4	85.8

Wye

GREEN LEAF AREA%(L4) 26-Jun-98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	58.3	36.7	83.3	70.0	78.3	73.3	57.1
Buster	0.0	45.0	90.0	85.0	85.0	80.0	90.0	67.9
Consort	6.7	81.7	73.3	71.7	91.7	80.0	90.0	70.7
Equinox	0.0	63.3	40.0	86.7	86.7	85.0	85.0	63.8
Hereward	18.3	70.0	36.7	76.7	91.7	83.3	61.7	62.6
Rialto	0.0	86.7	81.7	75.0	86.7	83.3	88.3	71.7
Riband	0.0	56.7	60.0	83.3	81.7	90.0	81.7	64.8
Savannah	0.0	78.3	71.7	83.3	88.3	80.0	88.3	70.0
Soissons	0.0	41.7	10.0	68.3	71.7	78.3	66.7	48.1
Spark	6.7	53.3	48.3	83.3	56.7	85.0	78.3	58.8
Mean	3.2	63.5	54.8	79.7	81.0	82.3	80.3	63.5

Wye

BRACKLING%

11-Aug-98 GS91

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	71.7	0.0	0.0	0.0	0.0	0.0	0.0	10.2
Buster	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Consort	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Riband	33.3	0.0	0.0	0.0	0.0	0.0	0.0	4.8
Savannah	41.7	0.0	0.0	0.0	0.0	0.0	0.0	6.0
Soissons	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spark	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	14.7	0.0	0.0	0.0	0.0	0.0	0.0	2.1

Wye

LEANING%

11-Aug-98 GS91

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Brigadier	0.0	0.0	1.7	5.0	1.7	1.7	1.7	1.7
Buster	0.0	0.0	0.0	0.0	0.0	0.7	1.7	0.3
Consort	15.0	0.0	0.0	1.7	0.0	0.0	0.0	2.4
Equinox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hereward	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rialto	5.0	0.0	1.7	0.0	0.0	0.0	0.0	1.0
Riband	18.3	5.0	16.7	30.0	1.7	1.7	5.0	11.2
Savannah	35.0	0.0	3.3	3.3	0.0	1.7	1.7	6.4
Soissons	46.7	3.3	40.0	23.3	25.0	5.0	10.0	21.9
Spark	36.7	15.0	16.7	26.7	1.7	8.3	10.0	16.4
Mean	15.7	2.3	8.0	9.0	3.0	1.9	3.0	6.1

= un-scorable due to senescence or high levels of disease

APPENDIX 3B

DISEASE AND AGRONOMIC DATA - BARLEY

= un-scorable due to senescence or high levels of disease

Bridgets

BROWN RUST%(FLAG) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	21.7	0.0	4.3	0.7	1.0	11.7	3.7	6.1
Fanfare	3.0	0.0	0.0	0.0	0.0	0.1	0.0	0.5
Fighter	5.0	0.0	0.4	0.1	0.0	2.3	0.4	1.2
Gleam	6.3	0.0	1.3	0.1	0.0	4.3	0.1	1.7
Halcyon	4.0	0.0	0.1	0.0	0.0	1.4	0.1	0.8
Intro	1.7	0.0	0.1	0.0	0.0	0.1	0.0	0.3
Jewel	2.0	0.0	0.1	0.0	0.0	0.1	0.1	0.3
Manitou	8.0	0.4	3.0	2.3	0.1	5.7	2.3	3.1
Pipkin	4.3	0.0	0.7	0.0	0.0	1.4	0.1	0.9
Regina	12.3	0.0	0.1	0.0	0.0	0.1	0.4	1.8
Mean	6.8	0.0	1.0	0.3	0.1	2.7	0.7	1.7

Bridgets

BROWN RUST%(L2) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	#	#	#	#	3.0	#	7.5	5.3
Fanfare	3.0	0.0	0.1	0.1	0.4	0.7	0.1	0.6
Fighter	2.0	0.1	2.3	1.1	0.4	4.3	1.0	1.6
Gleam	#	0.0	#	0.1	0.0	5.0	0.7	1.2
Halcyon	3.0	0.0	0.4	0.4	0.1	3.7	0.7	1.2
Intro	3.7	0.0	0.1	0.0	0.1	1.0	0.4	0.7
Jewel	1.7	0.0	0.1	0.1	0.0	1.4	0.1	0.5
Manitou	#	0.7	6.0	4.3	1.4	7.3	4.3	4.0
Pipkin	4.3	0.0	1.1	0.1	0.1	3.0	0.4	1.3
Regina	5.0	0.0	3.0	0.1	0.1	3.7	1.4	1.9
Mean	3.2	0.1	1.6	0.7	0.6	3.3	1.7	1.8

Bridgets

RHYNCHOSPORIUM% 07/04/98 GS32

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	1.7							
Fanfare	1.4							
Fighter	5.0							
Gleam	3.7							
Halcyon	7.3							
Intro	5.0							
Jewel	0.7							
Manitou	0.0							
Pipkin	9.0							
Regina	2.3							
Mean	3.6							

Bridgets

RHYNCHOSPORIUM%(L2) 11/05/98 GS39

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	3.0	2.4	3.7					3.0
Fanfare	0.0	0.0	0.0					0.0
Fighter	2.0	0.1	1.0					1.0
Gleam	2.3	1.7	1.4					1.8
Halcyon	2.7	0.4	3.0					2.0
Intro	1.0	0.0	0.4					0.5
Jewel	0.1	0.1	0.2					0.1
Manitou	0.0	0.0	0.0					0.0
Pipkin	3.4	0.4	3.0					2.3
Regina	0.1	0.0	0.3					0.1
Mean	1.5	0.5	1.3					1.1

Bridgets

RHYNCHOSPORIUM%(L3) 11/05/98 GS39

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	10.7	1.7	2.0					4.8
Fanfare	2.4	0.4	3.0					1.9
Fighter	45.0	23.3	35.0					34.4
Gleam	35.0	11.7	18.3					21.7
Halcyon	46.7	21.7	31.7					33.3
Intro	6.3	3.0	3.7					4.3
Jewel	11.7	3.7	6.7					7.3
Manitou	0.0	0.0	0.0					0.0
Pipkin	65.0	21.7	50.0					45.6
Regina	14.0	7.0	9.7					10.2
Mean	23.7	9.4	16.0					16.4

Bridgets

RHYNCHOSPORIUM%(L2) 20/05/98 GS55

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	3.7			0.7	0.4	0.1	1.4	1.2
Fanfare	1.4			0.7	1.7	0.1	0.7	0.9
Fighter	7.7			4.3	3.0	2.0	4.3	4.3
Gleam	8.0			1.4	3.7	0.7	4.3	3.6
Halcyon	13.3			5.7	5.0	2.7	7.0	6.7
Intro	3.7			1.7	0.7	1.1	4.3	2.3
Jewel	0.4			0.1	0.4	0.1	0.1	0.2
Manitou	0.0			0.0	0.0	0.0	0.0	0.0
Pipkin	14.0			5.7	9.3	9.3	9.7	9.6
Regina	2.7			0.1	0.1	0.1	2.0	1.0
Mean	5.5			2.0	2.4	1.6	3.4	3.0

Bridgets

RHYNCHOSPORIUM%(L3) 20/05/98 GS55

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	#			3.7	2.0	1.1	5.0	2.9
Fanfare	14.0			2.3	7.0	1.0	7.3	6.3
Fighter	#			10.7	11.7	8.3	13.7	11.1
Gleam	37.7			3.0	5.0	1.7	8.0	11.1
Halcyon	#			13.7	21.8	14.7	14.0	16.0
Intro	28.3			10.7	11.3	10.3	15.7	15.3
Jewel	9.7			1.7	1.1	0.4	2.0	3.0
Manitou	0.0			0.0	0.0	0.0	0.0	0.0
Pipkin	70.0			46.7	48.3	51.7	46.7	52.7
Regina	13.0			0.1	3.0	1.0	5.0	4.4
Mean	24.7			9.2	11.1	9.0	11.7	13.2

Bridgets

RHYNCHOSPORIUM%(FLAG) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	3.7	0.7	0.7	4.3	1.7	2.0	3.0	2.3
Fanfare	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Fighter	1.7	0.1	0.4	0.4	0.7	1.4	0.4	0.7
Gleam	3.7	0.1	1.0	1.7	0.7	1.0	1.4	1.4
Halcyon	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Intro	1.7	0.0	0.1	0.1	0.1	1.1	0.7	0.5
Jewel	1.4	0.0	0.1	0.1	0.0	0.1	0.1	0.2
Manitou	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipkin	3.7	0.4	0.7	0.7	1.7	0.7	0.7	1.2
Regina	3.0	0.1	0.0	0.1	0.1	0.7	0.4	0.6
Mean	1.9	0.1	0.3	0.7	0.5	0.7	0.7	0.7

Bridgets

RHYNCHOSPORIUM%(L2) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	#	#	#	#	5.7	#	7.5	6.6
Fanfare	9.0	1.7	5.7	5.7	6.7	5.0	7.0	5.8
Fighter	42.5	20.7	26.7	29.0	25.7	33.3	35.0	30.4
Gleam	#	14.0	#	26.7	24.0	16.3	27.3	21.7
Halcyon	30.0	12.0	19.0	25.7	30.0	14.0	30.0	23.0
Intro	35.0	10.0	14.0	17.3	17.3	18.0	26.7	19.8
Jewel	30.0	2.3	13.0	11.3	8.0	8.0	15.7	12.6
Manitou	#	0.0	0.0	1.0	0.0	0.0	0.0	0.2
Pipkin	60.0	25.0	40.0	35.0	36.7	38.3	41.7	39.5
Regina	17.0	5.3	11.3	9.0	6.3	8.7	11.7	9.9
Mean	31.9	10.1	16.2	17.9	16.0	15.7	20.3	16.9

Bridgets

NET BLOTCH%(FLAG) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	3.3	1.7	8.3	3.0	0.4	3.0	2.3	3.2
Fanfare	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fighter	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.1
Gleam	1.3	0.0	1.3	0.0	0.0	0.7	0.0	0.5
Halcyon	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Intro	0.4	0.1	0.1	0.1	0.0	0.1	0.0	0.1
Jewel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manitou	4.3	1.7	3.0	3.7	0.4	1.7	2.3	2.4
Pipkin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Regina	1.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2
Mean	1.0	0.3	1.3	0.7	0.1	0.6	0.5	0.6

Bridgets

GREEN LEAF AREA%(FLAG) 27/05/98 GS69

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	71.7	96.3	94.7	83.3	94.0	88.3	90.7	88.4
Fanfare	98.0	100.0	100.0	99.0	100.0	100.0	100.0	99.6
Fighter	92.3	98.0	96.7	94.7	95.0	94.0	96.3	95.3
Gleam	81.7	96.7	93.3	93.3	90.0	89.0	86.7	90.1
Halcyon	94.0	98.0	100.0	96.7	97.3	97.3	97.3	97.2
Intro	96.3	100.0	100.0	99.0	100.0	98.3	70.0	94.8
Jewel	95.7	100.0	100.0	96.7	99.0	99.0	100.0	98.6
Manitou	90.0	97.0	95.7	96.3	100.0	96.3	99.0	96.3
Pipkin	99.0	95.7	96.7	98.0	98.3	97.0	97.3	97.4
Regina	95.7	100.0	99.0	97.3	100.0	100.0	99.0	98.7
Mean	91.4	98.2	97.6	95.4	97.4	95.9	93.6	95.7

Bridgets

GREEN LEAF AREA%(L2) 27/05/98 GS69

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	24.0	65.0	60.0	66.7	71.7	40.0	75.0	57.5
Fanfare	76.7	90.0	90.0	91.7	80.0	85.0	83.3	85.2
Fighter	31.7	73.3	71.7	60.0	61.7	65.0	61.7	60.7
Gleam	43.3	68.3	61.7	60.0	60.0	70.0	51.7	59.3
Halcyon	55.0	75.0	73.3	60.0	66.7	70.0	56.7	65.2
Intro	73.3	88.3	78.3	76.7	66.7	81.7	70.0	76.4
Jewel	71.7	91.7	88.3	80.0	81.7	81.7	80.0	82.1
Manitou	73.3	90.0	75.0	88.3	95.0	91.7	93.3	86.7
Pipkin	60.0	63.3	66.7	68.3	63.3	61.7	60.0	63.3
Regina	70.0	83.3	83.3	83.3	88.3	86.7	81.7	82.4
Mean	57.9	78.8	74.8	73.5	73.5	73.3	71.3	71.9

Bridgets

GREEN LEAF AREA%(L3) 27/05/98 GS69

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	0.0	0.0	0.0	0.0	0.0	8.3	1.2
Fanfare	1.7	41.7	41.7	50.0	36.7	50.0	5.0	32.4
Fighter	0.0	0.0	3.3	0.0	15.0	0.0	3.3	3.1
Gleam	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.5
Halcyon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Intro	0.0	55.0	36.7	15.0	40.0	30.0	46.7	31.9
Jewel	0.0	36.7	56.7	23.3	36.7	33.3	40.0	32.4
Manitou	3.3	66.7	23.3	56.7	91.7	73.3	75.0	55.7
Pipkin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Regina	0.0	20.0	3.3	13.3	41.7	11.7	13.3	14.8
Mean	0.5	22.0	16.5	15.8	26.5	19.8	19.2	17.2

Bridgets

GREEN LEAF AREA%(FLAG) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	9.0	80.0	48.3	73.3	78.3	50.0	68.3	58.2
Fanfare	93.3	99.0	97.7	99.0	99.0	98.3	99.0	97.9
Fighter	66.7	85.0	88.3	89.3	87.7	83.3	87.7	84.0
Gleam	55.0	90.7	75.7	86.7	89.3	80.0	88.3	80.8
Halcyon	68.3	93.3	92.7	94.7	94.0	91.7	94.3	89.9
Intro	89.3	98.3	97.0	94.3	98.3	96.3	98.3	96.0
Jewel	76.7	98.3	95.0	95.7	96.3	97.0	97.7	93.8
Manitou	6.7	73.3	38.3	71.7	84.3	61.7	75.0	58.7
Pipkin	83.3	96.3	95.0	95.0	96.3	96.3	97.0	94.2
Regina	50.0	91.7	93.3	92.0	92.0	88.7	90.3	85.4
Mean	59.8	90.6	82.1	89.2	91.6	84.3	89.6	83.9

Bridgets

GREEN LEAF AREA%(L2) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	11.7	0.0	13.3	51.7	3.3	20.0	14.3
Fanfare	68.3	90.0	85.0	86.7	80.0	85.0	85.0	82.9
Fighter	23.3	68.3	45.0	50.0	51.7	43.3	43.3	46.4
Gleam	3.3	65.0	13.3	51.7	58.3	46.7	48.3	41.0
Halcyon	30.0	71.7	61.7	63.3	46.7	65.0	53.3	56.0
Intro	43.3	80.0	78.3	68.3	75.0	70.0	65.0	68.6
Jewel	40.0	83.3	70.0	78.3	80.0	80.0	75.0	72.4
Manitou	0.0	40.0	6.7	56.7	76.7	51.7	65.0	42.4
Pipkin	30.0	60.0	41.7	53.3	48.3	48.3	45.0	46.7
Regina	13.3	81.7	70.0	78.3	78.3	78.3	70.0	67.1
Mean	25.2	65.2	47.2	60.0	64.7	57.2	57.0	53.8

Bridgets

GREEN LEAF AREA%(L3) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fanfare	0.0	46.7	23.3	20.0	8.3	13.3	0.0	16.0
Fighter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gleam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Halcyon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Intro	0.0	6.7	20.0	3.3	10.0	3.3	0.0	6.2
Jewel	0.0	0.0	0.0	0.0	5.0	3.3	0.0	1.2
Manitou	0.0	0.0	0.0	0.0	16.7	10.0	10.0	5.2
Pipkin	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.5
Regina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	0.0	5.7	4.3	2.3	4.0	3.0	1.0	2.9

Headley Hall

MILDEW% 26/02/98 GS24

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	1.2							
Fanfare	10.0							
Fighter	3.0							
Gleam	3.7							
Halcyon	6.7							
Intro	4.3							
Jewel	4.0							
Manitou	1.7							
Pipkin	21.7							
Regina	10.0							
Mean	6.6							

Headley Hall

MILDEW%(L4) 22/05/98 GS45

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.6	0.0	0.5	0.0	0.0	0.0	0.0	0.2
Fanfare	0.9	0.0	0.5	0.0	0.1	0.0	0.0	0.2
Fighter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gleam	0.9	0.0	0.2	0.0	0.0	0.0	0.0	0.2
Halcyon	0.4	0.0	0.2	0.0	0.1	0.0	0.0	0.1
Intro	0.6	0.0	0.7	0.0	0.0	0.0	0.0	0.2
Jewel	0.2	0.0	0.3	0.0	0.0	0.0	0.0	0.1
Manitou	0.6	0.0	0.3	0.0	0.0	0.0	0.0	0.1
Pipkin	9.3	0.0	6.3	0.2	2.4	0.0	0.0	2.6
Regina	4.3	0.0	4.0	0.1	0.4	0.0	0.0	1.3
Mean	1.8	0.0	1.3	0.0	0.3	0.0	0.0	0.5

Headley Hall

MILDEW%

10/06/98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fanfare	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Fighter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gleam	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Halcyon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Intro	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Jewel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manitou	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipkin	28.3	0.0	0.0	0.0	0.0	0.0	0.0	4.0
Regina	26.7	0.0	0.0	0.0	0.0	0.0	0.0	3.8
Mean	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9

Headley Hall

GREEN LEAF AREA%(FLAG) 26/06/98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	59.3	92.7	82.7	97.7	95.7	95.3	94.7	88.3
Fanfare	88.7	98.0	91.7	97.7	98.3	98.0	97.7	95.7
Fighter	67.3	88.7	84.3	98.0	97.0	98.0	95.0	89.8
Gleam	75.0	92.0	89.7	95.0	93.7	94.3	87.7	89.6
Halcyon	86.0	96.3	89.7	98.0	97.7	97.7	97.7	94.7
Intro	87.3	97.7	95.0	98.7	99.0	99.0	99.0	96.5
Jewel	86.0	95.3	89.3	97.0	97.3	96.3	96.7	94.0
Manitou	63.3	88.7	88.3	93.7	95.0	94.0	93.3	88.0
Pipkin	71.3	97.7	92.7	97.0	97.3	97.3	96.0	92.8
Regina	85.3	97.0	93.0	98.7	97.7	98.0	98.7	95.5
Mean	77.0	94.4	89.6	97.1	96.9	96.8	95.6	92.5

Headley Hall

GREEN LEAF AREA%(L2) 26/06/98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	25.0	75.0	56.7	93.7	88.7	88.3	87.3	73.5
Fanfare	73.7	90.3	83.0	95.0	96.0	95.3	94.7	89.7
Fighter	51.7	69.0	66.7	95.3	94.3	92.7	90.7	80.0
Gleam	48.3	73.3	60.0	89.0	89.3	89.3	77.0	75.2
Halcyon	73.3	91.3	86.0	97.0	96.0	96.7	95.0	90.8
Intro	75.0	95.3	88.7	97.3	97.3	98.0	97.0	92.7
Jewel	68.3	87.7	64.3	96.3	96.3	96.0	93.7	86.1
Manitou	40.0	78.7	75.0	90.7	92.0	91.3	87.7	79.3
Pipkin	50.0	93.3	75.7	89.7	95.0	97.3	90.7	84.5
Regina	25.7	93.3	77.3	96.7	97.3	97.0	96.3	83.4
Mean	53.1	84.7	73.3	94.1	94.2	94.2	91.0	83.5

Headley Hall

GREEN LEAF AREA%(L3) 26/06/98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.3	19.0	5.7	81.7	56.7	70.0	66.7	42.9
Fanfare	9.0	71.7	51.7	86.0	90.7	90.7	80.0	68.5
Fighter	5.0	21.7	2.7	78.3	81.7	76.7	68.3	47.8
Gleam	0.0	35.0	4.0	55.0	73.3	50.0	56.7	39.1
Halcyon	3.0	40.0	16.7	55.0	61.7	75.0	58.3	44.2
Intro	43.3	86.0	77.3	93.3	94.7	94.7	95.0	83.5
Jewel	22.7	63.3	29.0	90.0	90.7	83.3	73.3	64.6
Manitou	6.7	55.0	16.7	86.7	88.0	85.3	76.7	59.3
Pipkin	0.7	69.0	30.0	81.7	75.0	78.7	80.0	59.3
Regina	1.0	56.7	28.3	89.7	74.7	78.3	78.0	58.1
Mean	9.2	51.7	26.2	79.7	78.7	78.3	73.3	56.7

Headley Hall

GREEN LEAF AREA%(L4) 26/06/98 GS59

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	0.0	0.0	12.0	11.0	3.3	9.3	5.1
Fanfare	0.0	12.0	13.3	9.3	19.0	23.3	23.3	14.3
Fighter	0.0	0.0	0.0	4.3	2.7	1.7	1.0	1.4
Gleam	0.0	0.0	0.0	5.3	11.0	1.0	8.7	3.7
Halcyon	0.0	0.0	0.3	1.3	0.3	0.3	0.7	0.4
Intro	0.7	41.7	51.7	83.7	80.0	73.3	80.0	58.7
Jewel	0.0	4.0	0.0	43.3	19.0	10.3	25.0	14.5
Manitou	0.0	6.0	3.3	41.7	30.7	45.0	46.0	24.7
Pipkin	0.0	1.0	0.0	4.7	2.7	5.3	1.7	2.2
Regina	0.0	0.3	0.0	18.3	16.7	6.7	9.3	7.3
Mean	0.1	6.5	6.9	22.4	19.3	17.0	20.5	13.2

Headley Hall

GREEN LEAF AREA%(FLAG) 03/07/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	22.7	75.7	56.3	83.7	84.0	76.0	79.0	68.2
Fanfare	67.7	90.0	85.3	92.0	94.3	91.3	90.7	87.3
Fighter	28.7	75.3	55.3	90.7	85.3	81.3	78.3	70.7
Gleam	35.0	75.3	69.7	84.7	88.0	81.0	80.3	73.4
Halcyon	60.3	88.3	82.3	94.7	94.0	90.7	88.0	85.5
Intro	68.3	94.3	84.0	95.3	94.7	95.3	94.7	89.5
Jewel	55.0	87.0	80.0	94.0	93.7	90.0	89.3	84.1
Manitou	31.7	69.7	53.3	85.3	80.0	71.7	78.0	67.1
Pipkin	58.3	86.7	79.7	92.7	88.7	87.7	89.3	83.3
Regina	65.7	90.0	82.0	95.7	92.3	92.7	94.3	87.5
Mean	49.3	83.2	72.8	90.9	89.5	85.8	86.2	79.7

Headley Hall

GREEN LEAF AREA%(L2) 03/07/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	4.0	35.0	23.3	80.0	65.3	57.0	60.0	46.4
Fanfare	52.3	81.3	70.3	84.3	87.3	88.7	85.0	78.5
Fighter	6.0	51.7	33.7	82.3	79.0	70.0	67.7	55.8
Gleam	13.3	59.0	45.7	77.3	77.7	69.7	68.0	58.7
Halcyon	37.3	72.0	71.7	88.0	84.7	82.0	83.3	74.1
Intro	48.3	88.7	78.0	91.7	91.3	90.7	89.3	82.6
Jewel	31.7	76.7	69.3	90.3	89.3	87.0	87.3	76.0
Manitou	10.0	61.7	50.0	78.3	74.3	60.0	73.7	58.3
Pipkin	35.0	78.7	65.0	88.3	86.3	83.7	83.3	74.3
Regina	29.3	72.7	63.3	88.7	88.0	83.3	87.0	73.2
Mean	26.7	67.7	57.0	84.9	82.3	77.2	78.5	67.8

Headley Hall

GREEN LEAF AREA%(L3) 03/07/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	2.0	0.0	53.3	36.7	7.3	25.7	17.9
Fanfare	1.7	30.0	19.7	52.7	66.0	69.0	44.7	40.5
Fighter	0.0	2.0	0.0	46.7	30.0	25.7	21.7	18.0
Gleam	0.0	22.3	0.3	45.0	44.3	16.7	16.7	20.8
Halcyon	0.0	6.7	20.3	44.3	30.0	15.3	20.3	19.6
Intro	23.0	65.7	51.3	82.0	78.0	80.0	77.7	65.4
Jewel	0.0	12.3	17.0	58.3	56.7	53.3	51.7	35.6
Manitou	0.0	18.3	5.7	63.3	57.0	26.7	51.3	31.8
Pipkin	0.0	45.0	11.0	64.0	51.0	53.7	58.7	40.5
Regina	0.0	5.3	4.0	65.0	44.7	30.7	43.3	27.6
Mean	2.5	21.0	12.9	57.5	49.4	37.8	41.2	31.8

Headley Hall

GREEN LEAF AREA%(L4) 03/07/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	0.0	0.0	5.0	0.7	0.0	0.0	0.8
Fanfare	0.0	0.0	0.0	2.0	0.3	16.7	0.0	2.7
Fighter	0.0	0.0	0.0	4.7	0.0	2.3	0.0	1.0
Gleam	0.0	0.0	0.0	1.7	0.7	0.3	0.0	0.4
Halcyon	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
Intro	0.0	5.3	5.3	56.7	46.7	37.3	49.3	28.7
Jewel	0.0	0.0	0.0	5.7	5.7	0.7	3.3	2.2
Manitou	0.0	0.0	0.0	26.7	7.7	2.3	10.0	6.7
Pipkin	0.0	0.0	0.0	3.0	0.3	2.0	1.7	1.0
Regina	0.0	0.0	0.0	7.3	1.7	2.7	0.0	1.7
Mean	0.0	0.5	0.5	11.3	6.4	6.4	6.4	4.5

Headley Hall

LEANING% 06-Aug-98 GS92

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Fanfare	15.0	0.0	10.0	2.5	0.0	0.0	0.0	3.9
Fighter	5.0	2.5	0.0	0.0	0.0	0.0	0.0	1.1
Gleam	12.5	5.0	2.5	30.0	2.5	0.0	22.5	10.7
Halcyon	5.0	10.0	7.5	5.0	10.0	15.0	30.0	11.8
Intro	20.0	0.0	2.5	0.0	5.0	0.0	0.0	3.9
Jewel	2.5	0.0	2.5	0.0	0.0	0.0	0.0	0.7
Manitou	16.0	5.0	20.0	15.0	15.0	20.0	10.0	14.4
Pipkin	12.5	5.0	7.5	25.0	7.5	10.0	12.5	11.4
Regina	15.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
Mean	10.6	2.8	5.3	7.8	4.0	4.5	7.5	6.1

Headley Hall

LODGING%

06-Aug-98 GS92

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Fanfare	57.5	0.0	45.0	2.5	0.0	0.0	0.0	15.0
Fighter	50.0	2.5	0.0	0.0	0.0	0.0	0.0	7.5
Gleam	77.5	5.0	10.0	25.0	2.5	0.0	37.5	22.5
Halcyon	92.5	80.0	85.0	90.0	75.0	55.0	50.0	75.4
Intro	57.5	0.0	2.5	0.0	17.5	0.0	0.0	11.1
Jewel	45.0	0.0	2.5	0.0	0.0	0.0	0.0	6.8
Manitou	27.5	20.0	45.0	65.0	30.0	7.5	10.0	29.3
Pipkin	85.0	25.0	70.0	45.0	22.5	37.5	15.0	42.9
Regina	25.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
Mean	52.0	13.3	26.0	22.8	14.8	10.0	11.3	21.4

Harper Adams

MILDEW%

31/03/98 GS31

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	2.7							
Fanfare	2.7							
Fighter	2.7							
Gleam	4.7							
Halcyon	3.0							
Intro	4.7							
Jewel	4.0							
Manitou	5.0							
Pipkin	9.3							
Regina	3.0							
Mean	4.2							

Harper Adams

MILDEW%(L2)

21/05/98 GS39

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	2.3							
Fanfare	0.0							
Fighter	0.0							
Gleam	0.3							
Halcyon	0.0							
Intro	0.0							
Jewel	0.3							
Manitou	1.0							
Pipkin	3.7							
Regina	1.3							
Mean	0.9							

Harper Adams

MILDEW%(L3)

21/05/98 GS39

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	1.0							
Fanfare	0.3							
Fighter	0.0							
Gleam	0.0							
Halcyon	0.0							
Intro	0.7							
Jewel	0.0							
Manitou	0.3							
Pipkin	3.0							
Regina	0.3							
Mean	0.6							

Harper Adams

MILDEW%(L3)

28/05/98 GS49

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0							
Fanfare	1.7							
Fighter	0.0							
Gleam	2.3							
Halcyon	0.0							
Intro	0.0							
Jewel	0.0							
Manitou	0.0							
Pipkin	3.3							
Regina	0.0							
Mean	0.7							

Harper Adams

MILDEW%(L4)

28/05/98 GS49

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0							
Fanfare	1.7							
Fighter	0.0							
Gleam	5.0							
Halcyon	0.0							
Intro	0.0							
Jewel	0.0							
Manitou	0.0							
Pipkin	6.0							
Regina	0.0							
Mean	1.3							

Harper Adams

MILDEW%(FLAG) 05/06/98 GS70

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Angora								
Fanfare	3.3	1.7	0.0	0.0	0.0	3.3	0.0	1.2
Fighter	0.0	3.3	1.7	0.0	0.0	0.0	0.0	0.7
Gleam	8.3	0.0	3.3	1.7	3.3	1.7	0.0	2.6
Halcyon	0.0	3.3	1.7	1.7	0.0	3.3	1.7	1.7
Intro	10.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7
Jewel	6.7	0.0	1.7	1.7	1.7	1.7	1.7	2.1
Manitou	0.0	0.0	3.3	0.0	0.0	1.7	0.0	0.7
Pipkin	16.7	0.0	1.7	0.0	0.0	0.0	0.0	2.6
Regina	13.3	0.0	0.0	0.0	0.0	0.0	0.0	1.9
Mean	5.8	0.8	1.5	0.5	0.5	1.2	0.3	1.5

Harper Adams

MILDEW%(L2) 05/06/98 GS70

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	3.8	0.0	1.7	0.0	0.0	0.0	0.0	0.8
Fanfare	33.3	0.0	1.7	0.0	0.0	3.3	0.0	5.5
Fighter	0.0	0.0	3.3	0.0	1.7	0.0	0.0	0.7
Gleam	13.8	0.0	1.7	1.7	3.3	0.0	1.7	3.2
Halcyon	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.2
Intro	20.0	1.7	0.0	0.0	0.0	0.0	0.0	3.1
Jewel	25.0	0.0	1.7	0.0	0.0	0.0	0.0	3.8
Manitou	2.8	1.7	0.0	0.0	2.7	0.0	1.7	1.3
Pipkin	55.0	0.0	0.0	0.0	0.0	0.0	1.7	8.1
Regina	28.3	0.0	1.7	0.0	0.0	1.7	0.0	4.5
Mean	18.2	0.3	1.3	0.2	0.8	0.5	0.5	3.1

Harper Adams

BROWN RUST% 31/03/98 GS31

Variety	Fungicide Treatment						Mean
	U	T	E	S1	S2	S3	
Angora	0.7						
Fanfare	0.4						
Fighter	1.0						
Gleam	1.2						
Halcyon	0.8						
Intro	0.7						
Jewel	0.5						
Manitou	1.2						
Pipkin	0.4						
Regina	0.4						
Mean	0.7						

Harper Adams

BROWN RUST%(L2) 21/05/98 GS39

Variety	Fungicide Treatment						Mean
	U	T	E	S1	S2	S3	
Angora	7.3						
Fanfare	2.0						
Fighter	5.7						
Gleam	0.7						
Halcyon	2.0						
Intro	1.3						
Jewel	0.4						
Manitou	1.1						
Pipkin	1.0						
Regina	0.7						
Mean	2.2						

Harper Adams

BROWN RUST%(L3) 21/05/98 GS39

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	2.7							
Fanfare	0.5							
Fighter	5.7							
Gleam	2.0							
Halcyon	1.3							
Intro	2.0							
Jewel	1.0							
Manitou	1.2							
Pipkin	0.7							
Regina	0.2							
Mean	1.7							

Harper Adams

BROWN RUST%(FLAG) 05/06/98 GS70

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	86.0	1.7	1.7	1.7	0.0	11.7	1.7	14.9
Fanfare	36.7	1.7	0.0	0.0	0.0	0.0	0.0	5.5
Fighter	60.0	1.7	1.7	0.0	0.7	9.3	0.0	10.5
Gleam	55.0	1.7	1.7	0.0	1.7	4.3	3.3	9.7
Halcyon	48.3	3.3	1.7	0.0	0.0	3.3	1.7	8.3
Intro	26.7	1.7	0.0	0.0	0.0	7.3	0.0	5.1
Jewel	53.3	0.0	0.0	3.3	1.7	5.0	1.7	9.3
Manitou	88.3	5.0	3.3	1.7	6.7	17.3	14.0	19.5
Pipkin	71.7	1.7	1.7	0.0	0.0	1.7	0.0	11.0
Regina	66.7	1.7	3.3	0.0	1.7	5.7	0.0	11.3
Mean	59.3	2.0	1.5	0.7	1.2	6.6	2.2	10.5

Harper Adams

BROWN RUST%(L2) 05/06/98 GS70

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	94.0	1.7	3.3	1.7	1.7	8.3	0.0	15.8
Fanfare	26.7	3.3	0.0	1.7	5.0	6.7	0.0	6.2
Fighter	41.7	1.7	1.7	3.3	0.0	0.0	0.0	6.9
Gleam	34.0	0.0	0.0	3.3	0.0	8.3	0.0	6.5
Halcyon	53.3	3.3	0.0	0.0	1.7	3.3	1.7	9.0
Intro	40.0	0.0	0.0	1.7	0.0	13.3	1.7	8.1
Jewel	41.7	1.7	0.0	1.7	0.0	6.7	1.7	7.6
Manitou	94.6	1.7	0.0	1.7	8.3	17.3	11.7	19.3
Pipkin	31.7	1.7	0.0	1.7	0.0	15.0	0.0	7.1
Regina	56.7	0.0	0.0	0.0	0.0	7.3	5.0	9.9
Mean	51.4	1.5	0.5	1.7	1.7	8.6	2.2	9.7

Harper Adams

RHYNCHOSPORIUM%(L2) 28/05/98 GS49

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0							
Fanfare	2.0							
Fighter	3.3							
Gleam	1.0							
Halcyon	5.0							
Intro	0.2							
Jewel	0.8							
Manitou	0.0							
Pipkin	7.3							
Regina	0.0							
Mean	2.0							

Harper Adams

RHYNCHOSPORIUM%(L3) 28/05/98 GS49

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0							
Fanfare	1.0							
Fighter	1.0							
Gleam	1.0							
Halcyon	35.0							
Intro	0.3							
Jewel	1.0							
Manitou	0.0							
Pipkin	7.3							
Regina	0.2							
Mean	4.7							

Harper Adams

RHYNCHOSPORIUM%(L4) 28/05/98 GS49

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0							
Fanfare	0.2							
Fighter	0.3							
Gleam	0.0							
Halcyon	0.2							
Intro	0.2							
Jewel	1.0							
Manitou	0.0							
Pipkin	2.7							
Regina	0.3							
Mean	0.5							

Harper Adams

RHYNCHOSPORIUM%(FLAG) 05/06/98 GS70

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	1.7	5.0	0.0	0.0	0.0	0.0	1.0
Fanfare	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Fighter	10.0	1.7	5.3	3.3	3.3	0.0	10.0	4.8
Gleam	0.0	0.0	0.0	6.7	0.0	0.0	8.3	2.1
Halcyon	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.2
Intro	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.2
Jewel	3.3	0.0	0.0	1.7	0.0	0.0	0.0	0.7
Manitou	0.0	1.7	0.0	1.7	0.0	0.0	0.0	0.5
Pipkin	0.0	3.3	0.0	0.0	1.7	0.0	5.0	1.4
Regina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	1.5	0.8	1.0	1.5	0.7	0.0	2.3	1.1

Harper Adams

RHYNCHOSPORIUM%(L2) 05/06/98 GS70

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	2.6	5.0	0.3	1.7	1.7	0.0	0.0	1.6
Fanfare	0.0	0.0	3.3	0.0	0.0	0.0	1.7	0.7
Fighter	51.7	0.0	10.0	6.0	26.7	15.0	16.7	18.0
Gleam	7.6	0.0	1.7	0.0	0.0	0.0	0.0	1.3
Halcyon	23.3	3.3	3.3	0.0	0.0	0.0	1.7	4.5
Intro	3.3	1.7	3.3	0.0	6.7	0.0	0.0	2.1
Jewel	3.3	1.7	5.0	0.0	1.7	0.0	1.7	1.9
Manitou	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipkin	0.0	15.0	5.0	4.3	5.0	8.3	6.7	6.3
Regina	0.0	0.0	0.0	0.0	6.7	0.0	0.0	1.0
Mean	9.2	2.7	3.2	1.2	4.8	2.3	2.8	3.7

Harper Adams

NET BLOTCH% 31/03/98 GS31

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	2.3							
Fanfare	1.3							
Fighter	4.0							
Gleam	8.7							
Halcyon	2.7							
Intro	3.0							
Jewel	3.3							
Manitou	5.0							
Pipkin	3.7							
Regina	1.2							
Mean	3.5							

Harper Adams

NET BLOTCH%(L2) 28/05/98 GS49

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	2.2							
Fanfare	0.3							
Fighter	1.3							
Gleam	2.7							
Halcyon	0.4							
Intro	0.4							
Jewel	2.3							
Manitou	2.7							
Pipkin	0.2							
Regina	0.5							
Mean	1.3							

Harper Adams

NET BLOTCH%(L3) 28/05/98 GS49

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	1.7							
Fanfare	0.3							
Fighter	0.7							
Gleam	2.3							
Halcyon	1.3							
Intro	0.2							
Jewel	2.8							
Manitou	3.0							
Pipkin	1.0							
Regina	0.8							
Mean	1.4							

Harper Adams

NET BLOTCH%(L4) 28/05/98 GS49

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	1.0							
Fanfare	0.0							
Fighter	0.0							
Gleam	1.0							
Halcyon	2.0							
Intro	0.0							
Jewel	0.5							
Manitou	0.7							
Pipkin	0.0							
Regina	0.3							
Mean	0.6							

Harper Adams

NET BLOTCH%(FLAG) 05/06/98 GS70

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	1.7	3.3	1.7	0.0	0.0	1.7	1.2
Fanfare	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.2
Fighter	0.0	3.3	0.0	1.7	1.7	4.3	0.0	1.6
Gleam	0.0	6.7	8.3	3.3	3.3	5.0	0.0	3.8
Halcyon	0.0	3.3	3.3	1.7	1.7	0.0	0.0	1.4
Intro	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.2
Jewel	0.0	3.3	1.7	1.7	0.0	3.3	0.0	1.4
Manitou	0.0	11.0	6.7	0.0	1.7	0.0	0.0	2.8
Pipkin	0.0	0.0	1.7	1.7	1.7	0.0	1.7	1.0
Regina	0.0	1.7	1.7	0.0	0.0	0.0	0.0	0.5
Mean	0.0	3.1	2.7	1.3	1.0	1.4	0.3	1.4

Harper Adams

NET BLOTCH%(L2) 05/06/98 GS70

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	6.7	10.0	3.3	0.0	3.3	11.0	4.9
Fanfare	0.0	10.0	8.3	5.0	3.3	1.7	3.3	4.5
Fighter	0.0	10.0	8.3	3.3	1.7	3.3	6.7	4.8
Gleam	0.0	18.3	28.3	13.3	17.3	12.7	14.0	14.9
Halcyon	0.0	0.0	1.7	0.0	1.7	0.0	0.0	0.5
Intro	0.0	1.7	1.7	0.0	0.0	0.0	5.0	1.2
Jewel	0.0	5.0	5.0	5.0	3.3	6.7	1.7	3.8
Manitou	0.0	23.3	17.3	8.3	3.3	5.0	3.3	8.7
Pipkin	0.0	0.0	1.7	1.7	0.0	0.0	1.7	0.7
Regina	0.0	13.3	6.7	0.0	1.7	5.0	0.0	3.8
Mean	0.0	8.8	8.9	4.0	3.2	3.8	4.7	4.8

Harper Adams

GREEN LEAF AREA%(FLAG) 22/05/98 GS60

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	83.3	97.0	98.7	98.3	98.0	94.3	98.3	95.4
Fanfare	97.3	98.0	98.7	98.7	98.3	99.0	98.3	98.3
Fighter	76.7	92.7	98.7	97.0	94.3	94.3	97.0	93.0
Gleam	91.7	97.0	93.3	97.3	98.3	95.0	97.3	95.7
Halcyon	96.3	97.0	97.7	98.3	98.3	99.0	97.3	97.7
Intro	98.0	99.0	99.0	97.7	98.7	99.0	99.3	98.7
Jewel	93.3	97.3	97.0	97.0	97.0	96.3	97.0	96.4
Manitou	81.7	96.0	93.3	97.0	94.3	91.0	95.0	92.6
Pipkin	95.0	97.0	98.3	97.0	97.3	97.0	98.3	97.1
Regina	95.3	98.7	99.0	99.0	98.7	98.0	99.3	98.3
Mean	90.9	97.0	97.4	97.7	97.3	96.3	97.7	96.3

Harper Adams

GREEN LEAF AREA%(L2) 22/05/98 GS60

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	50.0	91.7	91.7	96.0	96.0	81.7	93.3	85.8
Fanfare	85.0	97.3	96.0	98.0	97.0	97.3	97.0	95.4
Fighter	51.7	90.0	96.0	91.7	90.0	81.7	88.3	84.2
Gleam	73.3	88.3	91.7	93.3	96.0	90.0	97.0	90.0
Halcyon	85.0	91.7	96.3	97.0	95.0	92.7	91.3	92.7
Intro	95.0	98.0	98.7	96.7	98.7	97.0	98.3	97.5
Jewel	78.3	94.3	96.0	93.3	96.0	91.7	97.0	92.4
Manitou	55.0	90.0	88.3	93.3	93.3	83.3	91.7	85.0
Pipkin	88.3	95.0	95.3	90.0	91.7	94.3	92.7	92.5
Regina	78.3	95.0	98.0	97.3	98.3	90.0	98.3	93.6
Mean	74.0	93.1	94.8	94.7	95.2	90.0	94.5	90.9

Harper Adams

GREEN LEAF AREA%(L3) 22/05/98 GS60

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	13.3	73.3	78.3	75.0	83.3	63.3	81.7	66.9
Fanfare	73.3	90.0	90.0	90.0	88.3	88.3	95.0	87.9
Fighter	3.3	70.0	75.0	78.3	83.3	61.7	76.7	64.0
Gleam	20.0	76.7	81.7	83.3	83.3	73.3	90.0	72.6
Halcyon	51.7	81.7	85.0	85.0	81.7	68.3	85.0	76.9
Intro	78.3	90.0	95.0	94.3	98.3	91.7	93.0	91.5
Jewel	30.0	83.3	75.0	88.3	86.7	76.7	86.7	75.2
Manitou	15.0	68.3	78.3	86.7	85.0	80.0	83.3	71.0
Pipkin	55.0	78.3	71.7	68.3	80.0	81.7	88.3	74.8
Regina	30.0	85.0	83.3	89.3	86.7	68.3	91.0	76.2
Mean	37.0	79.7	81.3	83.9	85.7	75.3	87.1	75.7

Harper Adams

GREEN LEAF AREA%(L4) 22/05/98 GS60

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	26.7	36.7	33.3	36.7	16.7	46.7	28.1
Fanfare	41.7	78.3	80.0	80.0	78.3	78.3	81.7	74.0
Fighter	0.0	0.0	13.3	13.3	13.3	13.3	23.3	11.0
Gleam	0.0	30.0	56.7	38.3	30.0	20.0	66.7	34.5
Halcyon	0.0	55.0	71.7	41.7	58.3	35.0	36.7	42.6
Intro	16.7	51.7	81.7	83.3	83.3	76.7	80.0	67.6
Jewel	0.0	48.3	53.3	73.3	76.7	26.7	63.3	48.8
Manitou	0.0	33.3	30.0	73.3	68.3	48.3	53.3	43.8
Pipkin	0.0	3.3	63.3	35.0	56.7	51.7	31.7	34.5
Regina	0.0	56.7	43.3	40.0	51.7	23.3	53.3	38.3
Mean	5.8	38.3	53.0	51.2	55.3	39.0	53.7	42.3

Harper Adams

GREEN LEAF AREA%(FLAG) 17/06/98 75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	21.7	50.0	46.7	56.7	26.7	36.7	34.1
Fanfare	6.7	48.3	56.7	56.7	56.7	40.0	50.0	45.0
Fighter	0.0	41.7	43.3	46.7	46.7	16.7	28.3	31.9
Gleam	0.0	30.0	23.3	41.7	56.7	16.7	38.3	29.5
Halcyon	2.3	45.0	51.7	63.3	61.7	66.7	58.3	49.9
Intro	2.0	55.0	55.0	75.0	66.7	48.3	43.3	49.3
Jewel	3.0	40.0	46.7	46.7	55.0	41.7	40.0	39.0
Manitou	0.0	20.0	25.0	51.7	45.0	21.7	30.0	27.6
Pipkin	0.7	28.3	48.3	46.7	70.0	51.7	50.0	42.2
Regina	0.7	58.3	61.7	71.7	75.0	65.0	65.0	56.8
Mean	1.5	38.8	46.2	54.7	59.0	39.5	44.0	40.5

Harper Adams

GREEN LEAF AREA%(L2) 17/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	1.7	23.3	13.3	23.3	10.0	21.7	13.3
Fanfare	1.7	41.7	53.3	48.3	53.3	55.0	41.7	42.1
Fighter	0.0	23.3	13.3	15.0	13.3	3.3	8.3	11.0
Gleam	0.0	8.3	8.3	31.7	40.0	3.3	33.3	17.9
Halcyon	0.0	16.7	45.0	50.0	61.7	55.0	45.0	39.0
Intro	1.7	38.3	51.7	56.7	60.0	43.3	38.3	41.4
Jewel	1.7	23.3	26.7	31.7	36.7	28.3	28.3	25.2
Manitou	0.0	6.7	13.3	33.3	40.0	10.0	21.7	17.9
Pipkin	0.0	16.7	56.7	48.3	58.3	46.7	43.3	38.6
Regina	0.0	35.0	38.3	46.7	66.7	43.3	50.0	40.0
Mean	0.5	21.2	33.0	37.5	45.3	29.8	33.2	28.6

Harper Adams

GREEN LEAF AREA%(L3) 17/06/98 75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	0.0	3.3	0.0	0.0	0.0	1.7	0.7
Fanfare	0.0	11.7	28.3	23.3	16.7	13.3	11.7	15.0
Fighter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gleam	0.0	0.0	0.0	1.7	1.7	0.0	0.0	0.5
Halcyon	0.0	0.0	20.0	13.3	16.7	15.0	10.0	10.7
Intro	0.0	16.7	20.0	38.3	31.7	16.7	20.0	20.5
Jewel	1.7	0.0	3.3	1.7	3.3	3.3	0.0	1.9
Manitou	0.0	0.0	1.7	5.0	8.3	0.0	6.7	3.1
Pipkin	0.0	0.0	11.7	11.7	38.3	3.3	11.7	11.0
Regina	0.0	6.7	8.3	6.7	20.0	6.7	20.0	9.8
Mean	0.2	3.5	9.7	10.2	13.7	5.8	8.2	7.3

Morley

BROWN RUST% 28/03/98 GS31

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	8.0							
Fanfare	2.0							
Fighter	10.7							
Gleam	9.3							
Halcyon	5.3							
Intro	4.3							
Jewel	1.0							
Manitou	4.3							
Pipkin	1.7							
Regina	5.3							
Mean	5.2							

Morley

BROWN RUST%(L2) 30/04/98 GS37

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	1.1							
Fanfare	0.0							
Fighter	0.6							
Gleam	0.3							
Halcyon	0.1							
Intro	0.0							
Jewel	0.3							
Manitou	1.3							
Pipkin	0.0							
Regina	0.3							
Mean	0.4							

Morley

BROWN RUST%(L3) 30/04/98 GS37

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	7.0							
Fanfare	0.2							
Fighter	1.9							
Gleam	1.6							
Halcyon	1.8							
Intro	0.6							
Jewel	1.6							
Manitou	5.5							
Pipkin	0.8							
Regina	2.8							
Mean	2.4							

Morley

BROWN RUST%(L4) 30/04/98 GS37

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	16.2							
Fanfare	1.8							
Fighter	6.0							
Gleam	7.7							
Halcyon	7.6							
Intro	3.3							
Jewel	2.9							
Manitou	5.4							
Pipkin	2.6							
Regina	9.2							
Mean	6.3							

Morley

BROWN RUST%(FLAG) 05/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	60.0	2.4	1.5	0.9	0.8	1.0	0.3	9.6
Fanfare	10.7	1.8	1.5	0.2	0.4	0.2	0.5	2.2
Fighter	20.0	2.3	2.3	0.1	0.5	0.3	0.5	3.7
Gleam	47.5	1.3	2.2	0.2	0.2	0.5	0.4	7.5
Halcyon	23.3	3.5	2.2	0.4	0.4	0.2	0.6	4.4
Intro	16.7	1.2	2.8	0.2	0.1	0.0	0.2	3.0
Jewel	17.3	1.0	1.8	0.4	0.4	0.4	0.5	3.1
Manitou	30.0	2.7	3.5	1.2	1.2	1.7	1.2	5.9
Pipkin	#	3.3	3.2	0.4	0.3	0.4	0.5	1.4
Regina	17.3	0.3	1.3	0.1	0.1	0.1	0.1	2.7
Mean	27.0	2.0	2.2	0.4	0.4	0.5	0.5	4.3

Morley

BROWN RUST%(L2) 05/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	#	2.7	1.4	1.0	0.9	3.5	1.5	1.8
Fanfare	13.3	0.8	1.7	0.2	0.2	0.5	0.7	2.5
Fighter	#	1.2	1.8	0.2	0.4	1.2	0.6	0.9
Gleam	#	1.2	1.2	0.4	0.4	0.9	0.4	0.8
Halcyon	30.0	1.3	1.5	0.5	0.4	0.7	0.4	5.0
Intro	28.3	0.4	2.5	0.3	0.4	0.5	0.2	4.7
Jewel	30.0	0.5	1.3	0.5	0.4	0.9	0.7	4.9
Manitou	#	2.8	1.8	1.2	1.2	4.3	2.0	2.2
Pipkin	#	1.0	2.7	0.4	0.7	1.2	0.5	1.1
Regina	35.0	0.3	0.4	0.1	0.1	0.5	0.1	5.2
Mean	27.3	1.2	1.6	0.5	0.5	1.4	0.7	2.9

Morley

RHYNCHOSPORIUM%(L3) 30/04/98 GS37

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	0.0	0.0					0.0
Fanfare	0.0	0.0	0.0					0.0
Fighter	0.5	0.0	0.0					0.2
Gleam	0.0	0.0	0.0					0.0
Halcyon	0.1	0.0	0.0					0.0
Intro	0.0	0.0	0.0					0.0
Jewel	0.0	0.0	0.1					0.0
Manitou	0.0	0.0	0.1					0.0
Pipkin	7.4	0.8	3.9					4.0
Regina	0.0	0.0	0.0					0.0
Mean	0.8	0.1	0.4					0.4

Morley

RHYNCHOSPORIUM%(L4) 30/04/98 GS37

Variety	Fungicide Treatment						Mean
	U	T	E	S1	S2	S3	
Angora	0.0	0.0	0.0				0.0
Fanfare	0.0	0.1	0.0				0.0
Fighter	0.4	0.0	0.0				0.1
Gleam	0.0	0.0	0.0				0.0
Halcyon	0.0	0.0	0.0				0.0
Intro	0.0	0.0	0.0				0.0
Jewel	0.0	0.0	0.1				0.0
Manitou	0.0	0.0	0.0				0.0
Pipkin	6.7	0.4	3.4				3.5
Regina	0.3	0.0	0.0				0.1
Mean	0.7	0.0	0.4				0.4

Morley

RHYNCHOSPORIUM%(L2) 12/05/98 GS50

Variety	Fungicide Treatment						Mean	
	U	T	E	S1	S2	S3		S4
Angora	0.0			0.0	0.0	0.0	0.0	0.0
Fanfare	0.0			0.0	0.0	0.1	0.0	0.0
Fighter	1.8			0.1	0.3	2.3	0.0	0.9
Gleam	1.7			0.0	0.0	0.0	0.0	0.3
Halcyon	0.4			0.0	0.0	0.0	0.1	0.1
Intro	0.1			0.0	0.0	0.0	0.0	0.0
Jewel	0.0			0.0	0.0	0.0	0.0	0.0
Manitou	0.0			0.0	0.0	0.0	0.0	0.0
Pipkin	6.3			6.6	1.8	3.0	4.2	4.4
Regina	0.3			0.0	0.0	0.0	0.0	0.1
Mean	1.0			0.7	0.2	0.5	0.4	0.6

Morley

RHYNCHOSPORIUM%(L3) 12/05/98 GS50

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0			0.0	0.0	0.0	0.0	0.0
Fanfare	0.6			0.0	0.0	0.0	0.0	0.1
Fighter	4.8			0.1	0.6	0.1	0.6	1.2
Gleam	2.8			0.0	0.0	0.0	0.0	0.6
Halcyon	0.5			0.0	0.0	0.2	0.3	0.2
Intro	1.3			0.0	0.2	0.0	0.0	0.3
Jewel	0.1			0.0	0.0	0.1	0.0	0.0
Manitou	0.0			0.0	0.0	0.0	0.0	0.0
Pipkin	31.5			7.1	13.1	10.2	11.6	14.7
Regina	0.9			0.0	0.2	0.0	0.0	0.2
Mean	4.3			0.7	1.4	1.0	1.3	1.7

Morley

RHYNCHOSPORIUM%(FLAG) 05/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fanfare	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fighter	0.0	0.3	0.2	0.0	0.2	0.1	0.2	0.2
Gleam	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Halcyon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Intro	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.1
Jewel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manitou	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipkin	50.0	5.7	11.7	3.3	6.7	3.7	4.7	12.2
Regina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	6.3	0.6	1.2	0.3	0.7	0.4	0.5	1.2

Morley

RHYNCHOSPORIUM%(FLAG) 05/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fanfare	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fighter	0.0	0.3	0.2	0.0	0.2	0.1	0.2	0.2
Gleam	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Halcyon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Intro	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.1
Jewel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manitou	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipkin	50.0	5.7	11.7	3.3	6.7	3.7	4.7	12.2
Regina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	6.3	0.6	1.2	0.3	0.7	0.4	0.5	1.2

Morley

RHYNCHOSPORIUM%(L2) 05/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fanfare	0.0	0.0	0.0	0.0	0.1	0.0	1.0	0.2
Fighter	#	1.7	1.8	1.2	5.0	4.0	5.0	3.1
Gleam	#	0.0	0.0	0.1	0.2	0.0	0.2	0.1
Halcyon	0.2	0.0	0.2	0.3	0.5	0.0	1.0	0.3
Intro	0.2	0.0	0.4	0.2	0.3	0.2	0.1	0.2
Jewel	0.1	0.0	0.2	0.0	0.2	0.0	0.2	0.1
Manitou	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipkin	#	9.1	35.0	21.0	28.3	20.7	23.3	22.9
Regina	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Mean	0.1	1.1	3.8	2.3	3.5	2.5	3.1	2.7

Morley

NET BLOTCH%(FLAG) 05/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	#	3.7	2.5	0.0	0.0	0.1	0.2	1.1
Fanfare	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fighter	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0
Gleam	#	0.0	0.7	0.0	0.0	0.0	0.0	0.1
Halcyon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Intro	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Jewel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manitou	0.1	0.3	0.4	0.0	0.0	0.1	0.0	0.1
Pipkin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Regina	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Mean	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.1

Morley

NET BLOTCH%(L2) 05/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	#	9.5	7.3	2.3	0.9	2.7	2.7	4.2
Fanfare	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Fighter	#	0.5	1.0	0.0	0.0	0.1	0.1	0.3
Gleam	#	1.5	4.5	1.3	0.4	2.0	1.2	1.8
Halcyon	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Intro	0.1	0.2	0.2	0.0	0.0	0.0	0.0	0.1
Jewel	0.1	0.7	0.3	0.5	0.0	0.0	0.0	0.2
Manitou	1.0	2.0	2.3	1.2	1.3	2.0	0.5	1.5
Pipkin	#	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Regina	0.1	0.5	3.2	0.1	0.0	0.6	0.1	0.6
Mean	0.2	1.5	1.9	0.5	0.3	0.7	0.5	0.9

Morley

GREEN LEAF AREA%(FLAG) 05/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	4.0	88.3	81.7	91.7	90.0	85.0	90.0	75.8
Fanfare	60.0	93.3	94.7	97.3	96.0	97.3	97.3	90.9
Fighter	28.3	86.7	83.3	90.7	93.3	91.7	92.7	81.0
Gleam	13.3	88.3	86.7	92.3	94.0	90.0	94.7	79.9
Halcyon	36.7	91.0	91.7	96.3	95.3	96.0	97.3	86.3
Intro	58.3	95.3	93.3	97.7	97.0	97.3	97.7	91.0
Jewel	40.0	94.0	90.0	97.3	93.3	93.3	95.0	86.1
Manitou	16.7	83.3	80.7	88.3	88.3	86.7	92.3	76.6
Pipkin	12.3	76.7	71.7	83.3	81.7	73.3	80.0	68.4
Regina	51.7	96.0	95.0	97.7	98.3	96.3	98.0	90.4
Mean	32.1	89.3	86.9	93.3	92.7	90.7	93.5	82.6

Morley

GREEN LEAF AREA%(L2) 05/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	43.3	36.7	71.7	70.0	48.3	76.7	49.5
Fanfare	60.0	93.3	91.7	96.0	93.3	95.0	94.7	89.1
Fighter	1.7	66.7	45.0	70.0	73.3	71.7	78.3	58.1
Gleam	1.7	63.3	56.7	75.0	78.3	71.7	85.0	61.7
Halcyon	20.7	83.3	83.3	84.3	90.0	90.0	91.0	77.5
Intro	36.7	91.7	90.0	93.3	93.3	93.3	96.0	84.9
Jewel	21.7	80.0	75.0	78.3	85.0	86.7	90.0	73.8
Manitou	3.3	48.3	63.3	71.7	75.0	66.7	80.0	58.3
Pipkin	0.0	56.7	40.0	46.7	43.3	43.3	41.7	38.8
Regina	5.0	88.3	80.0	86.7	88.3	86.0	95.7	75.7
Mean	15.1	71.5	66.2	77.4	79.0	75.3	82.9	66.8

Morley

GREEN LEAF AREA%(L3) 05/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.5
Fanfare	13.3	63.3	70.0	76.7	66.7	71.7	71.7	61.9
Fighter	0.0	0.0	0.0	0.0	5.0	1.7	0.0	1.0
Gleam	0.0	0.0	0.0	0.0	5.0	0.0	20.0	3.6
Halcyon	0.0	6.7	1.7	3.3	4.0	1.7	13.3	4.4
Intro	2.3	63.3	63.3	66.7	73.3	73.3	86.7	61.3
Jewel	0.0	3.3	1.7	13.3	5.0	8.3	15.0	6.7
Manitou	0.0	3.3	6.7	3.3	8.3	10.0	21.7	7.6
Pipkin	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.2
Regina	0.0	0.0	1.7	3.3	10.0	8.3	1.7	3.6
Mean	1.6	14.0	14.5	16.7	18.2	17.5	23.0	15.1

Morley

BRACKLING% 07-Jul-98 GS90

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	55.0	16.7	4.3	5.0	1.3	2.7	2.3	12.5
Fanfare	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fighter	28.3	2.0	0.7	0.0	0.0	0.0	0.0	4.4
Gleam	33.3	10.0	15.0	7.3	3.0	2.7	5.0	10.9
Halcyon	2.0	0.0	0.7	2.7	0.0	0.0	1.3	1.0
Intro	3.7	0.0	0.7	0.0	0.0	0.0	0.0	0.6
Jewel	4.3	1.0	0.0	0.0	0.0	0.0	0.0	0.8
Manitou	83.3	35.0	23.3	9.7	4.0	18.3	16.7	27.2
Pipkin	6.7	6.7	4.3	5.3	1.7	13.3	1.3	5.6
Regina	2.7	0.3	0.0	0.0	0.0	0.0	0.0	0.4
Mean	21.9	7.2	4.9	3.0	1.0	3.7	2.7	6.3

Morley
LEARNING%

07-Jul-98 GS90

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fanfare	0.0	18.3	13.3	3.3	0.0	11.7	0.0	6.7
Fighter	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Gleam	1.7	0.0	3.3	0.0	0.0	1.7	0.0	1.0
Halcyon	10.0	23.3	7.0	1.7	0.7	12.7	5.0	8.6
Intro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jewel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manitou	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipkin	15.0	13.3	3.3	2.7	0.0	1.7	0.0	5.1
Regina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	2.8	5.5	2.7	0.8	0.1	2.8	0.5	2.2

Morley

LODGING%

07-Jul-98 GS90

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fanfare	0.0	0.7	0.7	0.7	0.0	8.7	0.0	1.5
Fighter	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gleam	25.0	0.0	0.0	0.0	1.0	8.3	0.0	4.9
Halcyon	14.3	12.0	16.7	1.7	14.0	28.3	5.3	13.2
Intro	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jewel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manitou	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipkin	9.3	3.3	5.0	0.0	0.0	1.0	0.0	2.7
Regina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	4.9	1.6	2.2	0.2	1.5	4.6	0.5	2.2

Seale-Hayne

BROWN RUST%

09/04/98 GS32

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	2.7							
Fanfare	0.1							
Fighter	0.0							
Gleam	1.7							
Halcyon	0.1							
Intro	0.0							
Jewel	0.0							
Manitou	0.0							
Pipkin	0.1							
Regina	0.2							
Mean	0.5							

Seale-Hayne

BROWN RUST%(FLAG)

06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	13.3	0.0	0.0	0.0	0.0	0.0	0.0	1.9
Fanfare	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fighter	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Gleam	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Halcyon	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Intro	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jewel	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Manitou	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Pipkin	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Regina	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Mean	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Seale-Hayne

RHYNCHOSPORIUM% 09/04/98 GS32

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	1.7							
Fanfare	1.4							
Fighter	7.0							
Gleam	2.3							
Halcyon	5.0							
Intro	3.3							
Jewel	1.4							
Manitou	0.0							
Pipkin	3.0							
Regina	1.7							
Mean	2.7							

Seale-Hayne

RHYNCHOSPORIUM%(L2) 09/05/98 GS45

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Fanfare	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fighter	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gleam	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Halcyon	2.9	0.0	1.3	0.0	0.1	0.0	0.1	0.6
Intro	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Jewel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manitou	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipkin	0.8	0.0	0.6	0.0	0.0	0.0	0.0	0.2
Regina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	0.5	0.0	0.2	0.0	0.0	0.0	0.0	0.1

Seale-Hayne

RHYNCHOSPORIUM%(L3) 09/05/98 GS45

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	1.0	0.0	1.3	0.1	0.0	0.2	0.1	0.4
Fanfare	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Fighter	1.7	0.0	2.2	0.0	0.3	0.0	0.2	0.6
Gleam	1.3	0.0	0.1	0.0	0.1	0.1	0.0	0.2
Halcyon	12.0	0.7	5.1	1.1	1.8	0.8	3.0	3.5
Intro	6.9	0.1	1.1	0.0	0.6	0.0	1.7	1.5
Jewel	0.2	0.0	0.7	0.0	0.1	0.0	0.0	0.1
Manitou	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipkin	12.3	0.1	2.9	1.7	2.9	0.0	1.2	3.0
Regina	2.1	0.3	1.2	0.6	0.1	0.2	0.0	0.7
Mean	3.8	0.1	1.5	0.3	0.6	0.1	0.6	1.0

Seale-Hayne

RHYNCHOSPORIUM%(L4) 09/05/98 GS45

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	6.2	0.7	4.0	1.0	1.0	0.9	4.3	2.6
Fanfare	2.6	0.0	0.5	0.0	0.6	0.1	0.3	0.6
Fighter	14.0	1.9	10.2	4.6	6.0	4.0	7.0	6.8
Gleam	7.6	0.6	2.7	1.2	2.6	2.3	0.3	2.5
Halcyon	48.3	1.2	29.0	7.5	18.9	20.6	12.8	19.7
Intro	23.7	0.9	4.9	0.2	3.1	4.0	7.4	6.3
Jewel	5.9	0.7	1.6	0.2	1.3	0.3	1.3	1.6
Manitou	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Pipkin	36.1	0.7	17.3	13.7	19.7	3.2	12.6	14.7
Regina	16.1	0.0	3.3	4.0	3.4	5.7	2.4	5.0
Mean	16.1	0.7	7.3	3.2	5.7	4.1	4.9	6.0

Seale-Hayne

RHYNCHOSPORIUM%(FLAG) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.1
Fanfare	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fighter	4.0	0.0	1.4	0.0	0.1	0.0	0.4	0.8
Gleam	3.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4
Halcyon	13.3	0.7	2.3	0.4	1.4	0.4	1.4	2.8
Intro	6.3	0.1	0.7	0.1	0.1	0.1	0.1	1.1
Jewel	1.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
Manitou	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipkin	13.0	0.0	2.3	2.3	0.7	0.4	1.7	2.9
Regina	0.7	0.0	0.1	0.0	0.1	0.1	0.1	0.1
Mean	4.2	0.1	0.7	0.3	0.2	0.1	0.4	0.9

Seale-Hayne

RHYNCHOSPORIUM%(L2) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	#	1.4	5.0	1.7	3.7	1.7	4.3	3.0
Fanfare	3.7	0.0	0.7	0.1	0.3	0.0	0.1	0.7
Fighter	12.3	0.7	2.7	1.4	2.7	0.4	2.3	3.2
Gleam	9.7	1.1	6.3	1.3	2.3	0.7	2.3	3.4
Halcyon	28.3	2.7	13.0	3.0	5.7	2.3	3.7	8.4
Intro	16.7	0.7	3.4	1.7	3.0	1.4	3.7	4.3
Jewel	2.7	0.1	5.0	1.4	1.7	0.7	0.4	1.7
Manitou	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipkin	43.3	4.3	18.3	10.0	9.0	3.7	13.0	14.5
Regina	4.3	0.1	1.7	0.4	1.1	0.4	0.4	1.2
Mean	13.4	1.1	5.6	2.1	2.9	1.1	3.0	4.0

Seale-Hayne

RHYNCHOSPORIUM%(L3) 06/06/98 GS75

Variety	Fungicide Treatment							Mean	
	U	T	E	S1	S2	S3	S4		
Angora	#	0.5	4.0	2.3	3.0	2.0	4.7	2.8	
Fanfare	3.0	0.0	1.7	0.0	0.7	0.1	1.4	1.0	
Fighter	#	0.7	5.0	1.7	3.3	0.1	4.0	2.5	
Gleam	#	1.0	3.0	2.3	5.0	1.7	5.3	3.1	
Halcyon	#	0.4	7.5	3.7	4.0	1.7	10.0	4.5	
Intro	15.0	1.4	10.0	4.3	7.3	3.0	6.7	6.8	
Jewel	#	0.0	3.0	0.4	2.3	2.3	2.0	1.7	
Manitou	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Pipkin	#	2.3	12.3	7.3	7.3	5.3	14.7	8.2	
Regina	#	0.1	1.7	1.0	1.0	0.3	2.0	1.0	
Mean		6.0	0.6	4.8	2.3	3.4	1.7	5.1	3.2

Seale-Hayne

GREEN LEAF AREA%(FLAG) 21/05/98 GS60

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	99.3	100.0	100.0	100.0	100.0	100.0	100.0	99.9
Fanfare	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Fighter	99.3	100.0	100.0	100.0	100.0	100.0	100.0	99.9
Gleam	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Halcyon	98.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7
Intro	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Jewel	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Manitou	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Pipkin	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Regina	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mean	99.6	100.0	100.0	100.0	100.0	100.0	100.0	99.9

Seale-Hayne

GREEN LEAF AREA%(L2) 21/05/98 GS60

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	75.0	100.0	100.0	100.0	100.0	100.0	100.0	96.4
Fanfare	99.3	100.0	100.0	100.0	100.0	100.0	100.0	99.9
Fighter	92.7	100.0	100.0	100.0	100.0	100.0	100.0	99.0
Gleam	92.7	100.0	99.3	100.0	100.0	100.0	100.0	98.9
Halcyon	77.3	100.0	100.0	100.0	100.0	100.0	100.0	96.8
Intro	96.0	100.0	100.0	100.0	100.0	100.0	100.0	99.4
Jewel	98.0	100.0	100.0	100.0	100.0	100.0	100.0	99.7
Manitou	98.7	100.0	100.0	100.0	100.0	100.0	100.0	99.8
Pipkin	95.3	100.0	100.0	100.0	100.0	100.0	100.0	99.3
Regina	93.7	100.0	100.0	100.0	100.0	100.0	100.0	99.1
Mean	91.9	100.0	99.9	100.0	100.0	100.0	100.0	98.8

Seale-Hayne

GREEN LEAF AREA%(L3) 21/05/98 GS60

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	2.3	100.0	92.0	96.7	98.0	98.3	98.3	83.7
Fanfare	92.0	100.0	100.0	99.3	100.0	100.0	99.3	98.7
Fighter	46.7	100.0	81.7	100.0	100.0	100.0	97.7	89.4
Gleam	46.7	99.7	97.7	98.7	98.3	100.0	97.7	91.2
Halcyon	16.7	99.3	96.0	99.3	100.0	93.3	69.3	82.0
Intro	60.0	99.3	89.0	99.3	98.7	100.0	98.3	92.1
Jewel	7.7	100.0	100.0	99.3	100.0	100.0	100.0	86.7
Manitou	92.7	100.0	99.3	100.0	100.0	100.0	100.0	98.9
Pipkin	41.7	100.0	92.7	97.0	94.3	99.7	98.3	89.1
Regina	25.0	100.0	100.0	100.0	100.0	99.3	97.7	88.9
Mean	43.1	99.8	94.8	99.0	98.9	99.1	95.7	90.1

Seale-Hayne

GREEN LEAF AREA%(L4) 21/05/98 GS60

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	65.0	7.7	68.3	55.0	68.3	34.3	42.7
Fanfare	6.7	98.7	69.3	97.7	85.3	97.0	65.0	74.2
Fighter	0.0	85.0	17.7	51.7	66.0	67.0	50.0	48.2
Gleam	0.0	95.7	66.0	93.3	79.0	89.3	58.3	68.8
Halcyon	0.0	58.3	4.3	32.3	12.7	1.7	16.7	18.0
Intro	1.0	97.0	53.0	92.7	88.3	81.7	63.7	68.2
Jewel	0.0	83.3	87.7	83.3	96.0	66.0	59.3	68.0
Manitou	46.7	97.0	97.0	95.3	97.0	86.0	95.3	87.8
Pipkin	0.0	60.0	60.0	50.7	56.7	63.3	48.3	48.4
Regina	0.0	96.0	93.3	40.0	90.0	52.7	26.7	57.0
Mean	5.4	83.6	55.6	70.5	72.6	67.3	51.8	58.1

Seale-Hayne

GREEN LEAF AREA%(FLAG) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	58.3	92.3	97.7	95.7	97.7	97.0	98.3	91.0
Fanfare	96.3	99.0	99.0	99.0	99.0	99.0	99.0	98.6
Fighter	84.3	95.7	91.7	97.0	99.0	98.3	98.3	94.9
Gleam	80.0	96.3	96.0	96.3	98.3	97.0	99.0	94.7
Halcyon	76.7	97.7	97.0	99.0	97.7	99.0	97.7	95.0
Intro	90.0	98.3	99.0	98.3	99.0	97.7	99.0	97.3
Jewel	85.0	97.7	98.3	98.3	99.0	98.3	99.0	96.5
Manitou	81.7	91.0	93.3	96.3	97.0	97.0	98.3	93.5
Pipkin	81.7	99.0	97.7	97.0	98.3	99.0	97.7	95.8
Regina	94.0	99.0	99.0	99.0	99.0	99.0	97.7	98.1
Mean	82.8	96.6	96.9	97.6	98.4	98.1	98.4	95.5

Seale-Hayne

GREEN LEAF AREA%(L2) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	75.0	85.0	86.7	90.0	81.7	94.0	73.2
Fanfare	63.3	95.7	94.0	97.7	96.3	97.0	97.0	91.6
Fighter	33.3	81.7	81.7	88.3	91.7	95.7	92.3	80.7
Gleam	35.0	85.0	83.3	91.7	93.3	92.3	93.3	82.0
Halcyon	23.3	93.3	78.3	93.3	88.3	96.3	91.7	80.7
Intro	53.3	90.0	93.0	95.3	95.7	93.3	96.3	88.1
Jewel	46.7	86.7	90.0	93.3	94.0	93.3	95.3	85.6
Manitou	58.3	85.0	81.7	94.0	96.3	94.0	96.3	86.5
Pipkin	25.0	90.7	73.3	80.0	86.7	91.7	85.0	76.0
Regina	53.3	94.0	95.0	95.7	94.7	95.7	96.3	89.2
Mean	39.2	87.7	85.5	91.6	92.7	93.1	93.8	83.4

Seale-Hayne

GREEN LEAF AREA%(L3) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	20.0	13.3	46.7	38.3	32.3	36.7	26.8
Fanfare	6.7	71.7	80.0	88.3	86.7	91.7	86.7	73.1
Fighter	0.0	53.3	13.3	63.3	51.7	83.3	65.0	47.1
Gleam	0.0	46.7	36.7	70.0	66.7	71.7	60.0	50.2
Halcyon	0.0	73.3	10.0	68.3	20.0	61.7	10.0	34.8
Intro	1.7	68.3	33.3	76.7	75.0	73.3	70.0	56.9
Jewel	0.0	56.7	30.0	63.3	73.3	65.0	75.0	51.9
Manitou	8.3	51.7	60.0	70.0	85.0	85.0	91.7	64.5
Pipkin	0.0	70.0	43.3	60.0	48.3	73.3	45.0	48.6
Regina	0.0	70.0	58.3	68.3	60.0	55.0	68.3	54.3
Mean	1.7	58.2	37.8	67.5	60.5	69.2	60.8	50.8

Seale-Hayne

GREEN LEAF AREA%(L4) 06/06/98 GS75

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fanfare	0.0	0.0	0.0	10.0	13.3	15.0	0.0	5.5
Fighter	0.0	0.0	0.0	0.0	3.3	3.3	0.0	1.0
Gleam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Halcyon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Intro	0.0	0.0	0.0	3.3	0.0	6.7	0.0	1.4
Jewel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manitou	0.0	0.0	10.0	6.7	36.7	20.0	13.3	12.4
Pipkin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Regina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mean	0.0	0.0	1.0	2.0	5.3	4.5	1.3	2.0

Seale-Hayne

BRACKLING% 28-Jul-98 GS91

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	61.7	3.7	6.7	5.3	8.0	4.7	10.3	14.3
Fanfare	61.7	8.3	8.3	4.3	14.0	1.0	4.7	14.6
Fighter	50.0	9.0	6.3	41.7	17.3	11.7	19.3	22.2
Gleam	90.0	27.7	19.0	55.0	33.3	23.3	43.3	41.7
Halcyon	61.7	22.7	26.7	25.0	31.7	20.3	11.7	28.5
Intro	51.7	5.0	23.3	15.0	13.3	11.7	17.7	19.7
Jewel	51.7	9.3	13.3	28.3	24.3	5.7	31.7	23.5
Manitou	100.0	100.0	100.0	99.3	100.0	100.0	97.7	99.6
Pipkin	73.3	63.3	13.3	30.3	30.0	33.3	33.3	39.6
Regina	4.7	0.7	2.7	3.0	3.7	2.0	1.0	2.5
Mean	60.6	25.0	22.0	30.7	27.6	21.4	27.1	30.6

Seale-Hayne

LEANING%

28-Jul-98 GS91

Variety	Fungicide Treatment							Mean
	U	T	E	S1	S2	S3	S4	
Angora	6.7	1.0	1.0	0.7	0.0	0.3	0.7	1.5
Fanfare	7.7	6.7	2.0	0.7	0.3	0.3	1.7	2.8
Fighter	10.0	5.3	0.0	1.7	1.0	2.0	2.0	3.1
Gleam	0.0	3.0	0.7	6.7	0.7	1.3	3.7	2.3
Halcyon	10.0	6.7	7.7	12.3	4.3	15.0	11.7	9.7
Intro	3.7	4.7	5.3	6.7	3.7	4.3	1.3	4.2
Jewel	8.7	5.0	0.3	6.7	0.3	2.0	8.3	4.5
Manitou	0.0	0.0	0.0	0.7	0.0	0.0	2.3	0.4
Pipkin	8.3	6.0	2.0	15.0	3.0	20.0	5.0	8.5
Regina	0.0	5.3	2.7	0.7	0.3	0.0	0.7	1.4
Mean	5.5	4.4	2.2	5.2	1.4	4.5	3.7	3.8