

SOYBEAN VARIETIES' DISEASE RATINGS–2014

Dr. Tom Allen, Extension Plant Pathologist at DREC-Stoneville, has posted Frogeye Leaf Spot (FLS), Cercospora Blight (CB), and Septoria Brown Spot (SBS) ratings for MG IV and MG V soybean varieties that were in the 2014 Mississippi Soybean Variety Trials.

Varieties were rated for FLS, CB, and SBS at locations indicated in the below tables. Ratings were based on a scale of 0 to 9, where 0 = no disease present and 9 = severe disease symptoms.

Ratings are based on each variety's reaction to natural infestations of each disease at each location; i.e., plants were not inoculated with disease pathogens. Thus, the ratings do not presume to indicate a variety's response to a known yield-reducing level of the pathogen. Rather, the ratings are to be used as an indicator of each variety's reaction to the level of the pathogen present at each location in 2014.

According to Dr. Allen, consider the reaction of a particular variety across several locations when assessing that variety's susceptibility to the rated diseases.

Statistics

LSD (least significant difference). These values are used as a statistical tool to determine significant differences among variety ratings. The average ratings of any two varieties being compared must differ by more than the LSD value to be considered different in a particular test.

Put another way, the LSD is the smallest difference between ratings of two varieties that can be attributed to an actual difference in the varieties' disease susceptibility in a particular trial. Thus, a difference in the ratings of two varieties that exceeds the LSD is attributable to a difference in the disease susceptibility of the two varieties. Even though the average ratings of two varieties may be numerically different, the two disease ratings are not considered significantly different if that difference does not exceed the test LSD.

Probability level (*p* value). A disease rating difference between two varieties that exceeds the LSD value will be expected to do so 9 times out of 10 at the 10% (.10) level of probability, 19 times out of 20 at the 5% (.05) level, 99 times out of 100 at the 1% (.01) level, etc. The smaller the probability level, the more stringent the statistical test.

CV (coefficient of variation) and/or R^2 (coefficient of determination). These values are a measure of the relative precision of a given trial and can be used to compare the relative precision of different trials. The CV is generally considered to be an estimate of the amount of unexplained variation in a given trial or test, while the R^2 is a measure of the amount of variation that is explained or accounted for in a given test. A CV below 10% (10% unexplained variation in a trial) is desired, while an R^2 above 0.90 (90% of the variation in a trial has been accounted for) is desired.

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Maturity Group IV Conventional Cercospora leaf blight ratings

Entry #	Brand	Variety	Disease rating (0-9)		Average
			Brooksville	Longwood	
7	MPV	483C	7.0 a	6.0 a	6.5
3	Univ. Arkansas	<i>R05-3239</i>	5.7 bc	5.0 b	5.3
5	Univ. Arkansas	<i>R08-2797</i>	6.7 a	5.0 b	5.8
4	Univ. Arkansas	<i>R09-4571</i>	6.0 b	5.3 b	5.7
1	Univ. Missouri	<i>S09-6262</i>	6.0 b	5.3 b	5.7
2	Univ. Missouri	<i>S11-20356</i>	5.3 c	5.0 b	5.2
6	USG	Ellis	6.0 b	5.0 b	5.5
<i>R</i> ²			0.8173	0.75	
CV			5.61	5.38	
<i>p</i> -value			0.0036	0.0075	
LSD			0.63	0.50	
St. Dev.			0.60	0.44	

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group IV Conventional Frogeye leaf spot ratings

Entry #	Brand	Variety	Disease rating (0-9)		Avg.
			Brooksville	Longwood	
7	MPV	483C	4.0 b	2.0 c	3.0
3	Univ. Arkansas	<i>R05-3239</i>	2.5 c	1.3 de	1.9
5	Univ. Arkansas	<i>R08-2797</i>	5.0 ab	4.0 b	4.5
4	Univ. Arkansas	<i>R09-4571</i>	4.5 ab	5.0 a	4.8
1	Univ. Missouri	<i>S09-6262</i>	2.5 c	4.3 b	3.4
2	Univ. Missouri	<i>S11-20356</i>	1.0 d	1.0 e	1.0
6	USG	Ellis	0.0 e	1.7 cd	0.8
<i>R</i> ²			0.9866	0.9732	
CV			12.77	12.07	
<i>p</i> -value			<0.0001	<0.0001	
LSD			0.77	0.59	
St. Dev.			1.93	1.58	

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group IV LibertyLink Cercospora leaf blight ratings

Disease rating (0-9)

Entry #	Brand	Variety	Brooksville	Falkner	Longwood	Stoneville (clay)	Avg.
3	Delta Grow	DG 4767 LL/STS	6.3 abc	4.0 efgh	3.0 fg	4.0 gh	4.3
20	Delta Grow	DG 4867 LL	6.3 abc	6.0 bc	5.7 d	4.3 fg	5.6
1	Delta Grow	DG 4967 LL	5.7 cd	2.5 ijk	3.0 fg	3.5 h	3.7
21	Delta Grow	DG 4981 LL/STS	4.7 e	1.7 k	3.0 fg	4.0 gh	3.3
2	Delta Grow	DG 4990 LL	5.7 cd	4.0 efgh	3.3 ef	4.7 ef	4.4
8	Dyna-Gro	S49LL34	5.7 cd	3.0 hij	2.7 g	4.0 gh	3.8
27	Dyna-Gro	S49LS65	6.0 bcd	3.7 fghi	3.3 ef	4.3 fg	4.3
22	Go Soy	4713	5.7 cd	2.7 ijk	3.0 fg	4.0 gh	3.8
23	Go Soy	4914	5.5 d	4.0 efgh	3.0 fg	4.3 g	4.2
25	Halo	4:40	6.3 abc	5.0 cde	6.3 bc	5.3 cd	5.8
15	Halo	4:76	6.7 ab	5.0 ab	6.7 ab	6.0 b	6.1
16	Halo	4:94	6.0 bcd	6.0 cde	3.0 fg	4.7 ef	4.9
26	Halo	4:95	7.0 a	5.0 cde	6.0 cd	5.0 de	5.8
17	Halo	4:97	6.3 abc	2.0 jk	3.0 fg	4.7 ef	4.0
18	Halo	<i>X448</i>	7.0 a	4.7 def	6.5 abc	5.0 de	5.8
19	Halo	<i>X449</i>	5.3 d	3.3 ghi	3.3 ef	4.0 gh	4.0
28	Hornbeck	<i>BX 4748LL</i>		5.3 cd	6.0 cd	5.0 de	5.4
4	Hornbeck	HBK LL 4650	7.0 a	7.0 ab	7.0 a	7.0 a	7.0
5	Hornbeck	HBK LL 4850	6.7 ab	4.5 defg	6.3 bc	4.7 ef	5.5
6	Hornbeck	HBK LL 4950	5.7 cd	3.0 hij	3.3 ef	4.0 gh	4.0
7	Hornbeck	HBK LL 4953	5.7 cd	2.5 ijk	3.0 fg	4.0 gh	3.8
10	Progeny	P 4620 LLS	5.7 cd	4.0 efgh	3.0 fg	4.0 gh	4.2
11	Progeny	P 4819 LL	6.5 ab	5.0 cde	6.0 cd	5.0 de	5.6
12	Progeny	P 4928 LL	6.0 bcd	4.0 efgh	3.7 e	4.3 fg	4.5
13	Progeny	P 4930 LL	5.7 cd	3.0 ijk	3.0 fg	4.0 gh	3.9
9	Progeny	P4560 LL	6.7 ab	7.5 a	7.0 a	5.7 bc	6.7
24	REV®	49L29™	5.7 cd	4.7 def	3.7 e	5.0 de	4.8
14	USG	74G74 LL	6.0 bcd	2.5 hij	3.3 ef	4.3 fg	4.0
R²			0.7515	0.8984	0.9612	0.8573	
CV			7.35	16.52	9.14	7.67	
p-value			<0.0001	<0.0001	<0.0001	<0.0001	
LSD			0.76	1.31	0.65	0.59	
St. Dev.			0.70	1.57	1.61	0.74	

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group IV LibertyLink Frogeye leaf spot ratings

Entry #	Brand	Variety	Disease rating (0-9)				Avg.
			Brooksville	Falkner	Longwood	Stoneville (clay)	
3	Delta Grow	DG 4767 LL/STS	4.5 ab	1.3 de	3.0 cd	2.7 c	2.9
20	Delta Grow	DG 4867 LL	4.0 bc	2.0 bc	5.0 a	5.3 a	4.1
1	Delta Grow	DG 4967 LL	0.0 g	0.3 gh	1.0 gh	1.0 de	0.6
21	Delta Grow	DG 4981 LL/STS	2.7 d	1.0 ef	1.7 efg	1.7 d	1.8
2	Delta Grow	DG 4990 LL	0.7 fg	0.7 fg	1.3 fg	1.3 de	1.0
8	Dyna-Gro	S49LL34	0.3 fg	0.0 h	0.5 h	1.0 de	0.5
27	Dyna-Gro	S49LS65	1.5 e	0.7 fg	1.0 gh	1.0 de	1.0
22	Go Soy	4713	3.0 d	0.7 fg	1.7 efg	3.0 c	2.1
23	Go Soy	4914	3.0 d	0.0 h	1.0 gh	1.3 de	1.3
25	Halo	4:40	.	0.0 h	1.7 efg	1.0 de	0.9
15	Halo	4:76	.	0.7 h	2.0 ef	1.0 de	1.2
16	Halo	4:94	1.0 ef	0.0 h	1.0 gh	1.0 de	0.8
26	Halo	4:95	1.0 ef	3.0 a	3.7 bc	5.7 a	3.3
17	Halo	4:97	1.5 e	1.0 ef	3.0 cd	4.0 b	2.4
18	Halo	<i>X448</i>	.	0.3 gh	4.0 b	3.0 c	2.4
19	Halo	<i>X449</i>	1.7 e	1.0 ef	1.0 gh	1.0 de	1.2
28	Hornbeck	<i>BX 4748LL</i>	.	0.0 h	2.0 ef	1.3 de	1.1
4	Hornbeck	HBK LL 4650	0.0 g	0.0 h	2.3 de	1.0 de	0.8
5	Hornbeck	HBK LL 4850	1.0 ef	2.5 ab	5.0 a	6.0 a	3.6
6	Hornbeck	HBK LL 4950	0.0 g	0.3 gh	1.0 gh	0.7 e	0.5
7	Hornbeck	HBK LL 4953	1.0 ef	0.0 h	1.0 gh	0.7 e	0.7
10	Progeny	P 4620 LLS	3.3 cd	1.3 de	2.3 de	3.3 bc	2.6
11	Progeny	P 4819 LL	1.0 ef	3.0 a	5.3 a	5.7 a	3.8
12	Progeny	P 4928 LL	0.7 fg	0.0 h	1.0 gh	1.0 de	0.7
13	Progeny	P 4930 LL	0.0 g	0.0 gh	1.0 gh	0.7 e	0.4
9	Progeny	P4560 LL	.	0.0 h	1.3 fg	1.0 de	0.8
24	REV®	49L29™	0.0 g	0.0 h	1.0 gh	1.0 de	0.5
14	USG	74G74 LL	5.0 a	1.3 cd	2.3 de	3.3 bc	3.0
<i>R</i> ²			0.9691	0.9174	0.9239	0.9656	
CV			23.15	50.08	23.46	18.98	
<i>p</i> -value			<0.0001	<0.0001	<0.0001	<0.0001	
LSD			0.75	0.56	0.79	0.69	
St. Dev.			1.51	0.88	1.35	1.76	

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group IV LibertyLink Septoria brown spot ratings

Entry #	Brand	Variety	Disease rating (0-9)	
			Falkner	
3	Delta Grow	DG 4767 LL/STS	3.0	ef
20	Delta Grow	DG 4867 LL	6.5	c
1	Delta Grow	DG 4967 LL	2.7	f
21	Delta Grow	DG 4981 LL/STS	2.7	f
2	Delta Grow	DG 4990 LL	4.0	d
8	Dyna-Gro	S49LL34	3.0	ef
27	Dyna-Gro	S49LS65	3.0	ef
22	Go Soy	4713	3.3	def
23	Go Soy	4914	3.3	def
25	Halo	4:40	8.0	a
15	Halo	4:76	5.0	a
16	Halo	4:94	4.7	ef
26	Halo	4:95	7.0	bc
17	Halo	4:97	4.0	d
18	Halo	<i>X448</i>	7.5	ab
19	Halo	<i>X449</i>	3.3	def
28	Hornbeck	<i>BX 4748LL</i>	4.0	d
4	Hornbeck	HBK LL 4650	8.3	a
5	Hornbeck	HBK LL 4850	6.5	c
6	Hornbeck	HBK LL 4950	3.3	def
7	Hornbeck	HBK LL 4953	3.0	ef
10	Progeny	P 4620 LLS	4.0	d
11	Progeny	P 4819 LL	4.0	d
12	Progeny	P 4928 LL	3.7	de
13	Progeny	P 4930 LL	2.7	f
9	Progeny	P4560 LL	8.0	a
24	REV®	49L29™	3.3	def
14	USG	74G74 LL	3.3	ef
			<i>R</i>²	0.9633
			CV	11.12
			<i>p</i>-value	<0.0001
			LSD	0.87
			St. Dev.	1.99

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group V Conventional Cercospora leaf blight ratings

Entry #	Brand	Variety	Disease rating (0-9)		Avg.
			Brooksville	Longwood	
9	Stratton Seeds	Leland	6.0 .	6.3 a	6.2
3	Univ. Arkansas	Ozark	6.0 .	6.0 a	6.0
4	Univ. Arkansas	Osage	6.0 .	6.0 a	6.0
7	Univ. Arkansas	<i>R05-374</i>	6.0 .	6.0 a	6.0
8	Univ. Arkansas	<i>R09-430</i>	6.0 .	6.0 a	6.0
5	Univ. Arkansas	UA 5612	6.0 .	6.0 a	6.0
6	Univ. Arkansas	UA 5213C	6.0 .	6.0 a	6.0
2	Univ. Missouri	<i>S11-20124</i>	6.0 .	5.3 b	5.7
1	USDA-ARS	<i>JTN-5110</i>	6.0 .	6.0 a	6.0
			<i>R</i> ²	0.6529	
			CV	4.39	
			<i>p</i> -value	0.0332	
			LSD	0.47	
			St. Dev.	0	0.34

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group V Conventional Frogeye leaf spot ratings

Entry #	Brand	Variety	Disease rating (0-9)		Avg.
			Brooksville	Longwood	
9	Stratton Seed	Leland	1.0 d	1.3 e	1.2
4	Univ. Arkansas	Osage	1.7 c	4.3 b	3.0
3	Univ. Arkansas	Ozark	1.0 d	1.0 e	1.0
7	Univ. Arkansas	<i>R05-374</i>	5.0 a	5.0 a	5.0
8	Univ. Arkansas	<i>R09-430</i>	1.3 cd	4.0 b	2.7
6	Univ. Arkansas	UA 5213C	2.3 b	4.3 b	3.3
5	Univ. Arkansas	UA 5612	1.7 c	2.0 d	1.8
2	Univ. Missouri	<i>S11-20124</i>	1.0 d	1.0 e	1.0
1	USDA-ARS	<i>JTN-5110</i>	1.0 d	3.3 c	2.2
<i>R</i> ²			0.9399	0.9629	
CV			21.61	13.15	
<i>p</i> -value			<0.0001	<0.0001	
LSD			0.64	0.67	
St. Dev.			1.13	1.57	

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group V LibertyLink Cercospora ratings

Entry #	Brand	Variety	Disease rating (0-9)				Avg.
			Brooksville	Falkner	Longwood	Stoneville (clay)	
2	Delta Grow	DG 5267 LL	5.0 c	5.0 c	5.0 c	5.5 de	5.1
3	Delta Grow	DG 5367 LL	5.7 b	6.0 a	6.0 a	7.0 a	6.2
1	Delta Grow	DG 5461 LL	5.0 c	6.0 a	6.0 a	6.3 bc	5.8
13	Delta Grow	DG 5481 LL	5.0 c	5.0 c	5.0 c	6.3 bc	5.3
14	Go Soy	5214	5.0 c	5.0 c	5.0 c	6.0 cd	5.3
10	Halo	5:01	6.0 a	5.0 c	5.0 c	6.0 cd	5.5
11	Halo	5:25	6.0 a	6.0 a	6.0 a	6.3 bc	6.1
12	Halo	5:26	6.0 a	6.0 a	6.0 a	6.7 ab	6.2
15	Halo	5:45	6.0 a	6.0 a	6.0 a	6.0 cd	6.0
17	Halo	<i>X451</i>	5.0 c	5.0 c	5.0 c	6.7 ab	5.4
16	Halo	<i>X452</i>	5.0 c	6.0 a	5.0 c	6.3 bc	5.6
9	Hornbeck	5242 LL	5.0 c	5.3 b	5.0 c	5.3 e	5.2
8	Hornbeck	<i>BX 5150 LL</i>	5.0 c	6.0 a	5.0 c	6.3 bc	5.6
4	Progeny	P 5160 LL	6.0 a	6.0 a	6.0 a	6.0 cd	6.0
5	Progeny	P 5220 LLS	5.0 c	5.0 c	5.0 c	6.5 abc	5.4
6	Progeny	P 5460 LL	5.0 c	5.0 c	5.0 c	6.0 cd	5.3
7	Progeny	P 5960 LL	6.0 a	6.0 a	6.0 a	6.0 cd	6.0
18	REV®	55L95™	6.0 a	6.0 c	5.5 b	6.3 bc	6.0
<i>R</i> ²			0.9472	0.9483	0.9608	0.7687	
CV			2.71	2.65	2.32	5.29	
<i>p</i> -value			<0.0001	<0.0001	<0.0001	<0.0001	
LSD			0.26	0.26	0.22	0.58	
St. Dev.			0.50	0.50	0.49	0.53	

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group V LibertyLink Frogeye leaf spot ratings

Entry #	Brand	Variety	Disease rating (0-9)				Avg.
			Brooksville	Falkner	Longwood	Stoneville (clay)	
2	Delta Grow	DG 5267 LL	0.0 c	0.0 d	1.0 de	2.7 cd	0.9
3	Delta Grow	DG 5367 LL	3.0 a	1.0 b	4.0 a	6.0 a	3.5
1	Delta Grow	DG 5461 LL	1.3 b	0.3 cd	2.0 c	5.0 b	2.2
13	Delta Grow	DG 5481 LL	0.0 c	0.0 d	1.0 de	2.0 d	0.8
14	Go Soy	5214	0.0 c	0.3 cd	1.3 d	2.3 cd	1.0
10	Halo	5:01	0.0	0.3 cd	1.3 d	2.0 d	0.9
11	Halo	5:25	1.0 b	0.3 cd	2.0 c	2.5 cd	1.5
12	Halo	5:26	1.0 b	0.5 b	1.0 de	2.7 cd	1.3
15	Halo	5:45	0.0 c	0.7 bc	1.0 de	2.7 cd	1.1
17	Halo	<i>X451</i>	0.3 c	0.0 d	1.0 de	2.0 d	0.8
16	Halo	<i>X452</i>	0.0 c	0.0 d	1.0 de	2.0 d	0.8
9	Hornbeck	5242 LL	0.0 c	0.0 d	0.7 e	2.7 cd	0.8
8	Hornbeck	<i>BX 5150 LL</i>	0.0 c	1.0 b	1.0 de	2.7 cd	1.2
4	Progeny	P 5160 LL	0.3 c	0.3 cd	1.0 de	3.0 c	1.2
5	Progeny	P 5220 LLS	1.0 b	3.0 a	3.0 b	4.5 b	2.9
6	Progeny	P 5460 LL	0.3 c	0.7 bc	0.7 e	3.0 c	1.2
7	Progeny	P 5960 LL	0.0 c	0.0 d	0.7 e	2.3 cd	0.8
18	REV®	55L95™	0.3 c	0.7 bc	1.0 de	2.7 cd	1.2
<i>R</i> ²			0.9118	0.8323	0.9268	0.8929	
CV			66.48	77.67	22.31	15.91	
<i>p</i> -value			<0.0001	<0.0001	<0.0001	<0.0001	
LSD			0.47	0.63	0.51	0.80	
St. Dev.			0.73	0.70	0.84	1.09	

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group V LibertyLink Septoria brown spot ratings

Entry #	Brand	Variety	Disease rating (0-9)	
			Falkner	
2	Delta Grow	DG 5267 LL	6.0 bc	
3	Delta Grow	DG 5367 LL	6.0 bc	
1	Delta Grow	DG 5461 LL	5.7 c	
13	Delta Grow	DG 5481 LL	6.3 c	
14	Go Soy	5214	5.3 c	
10	Halo	5:01	5.3 c	
11	Halo	5:25	6.7 a	
12	Halo	5:26	7.0 a	
15	Halo	5:45	6.0 c	
17	Halo	<i>X451</i>	6.0 bc	
16	Halo	<i>X452</i>	6.0 ab	
9	Hornbeck	5242 LL	6.3 c	
8	Hornbeck	<i>BX 5150 LL</i>	6.3 ab	
4	Progeny	P 5160 LL	7.0 a	
5	Progeny	P 5220 LLS	5.7 c	
6	Progeny	P 5460 LL	5.3 c	
7	Progeny	P 5960 LL	6.0 bc	
18	REV®	55L95™	6.7 a	
			<i>R</i> ²	0.7444
			CV	6.85
			<i>p</i> -value	<0.0001
			LSD	0.71
			St. Dev.	0.65

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group IV Early Cercospora leaf blight ratings

Entry #	Brand	Variety	Disease rating (0-9)										Avg.	
			Brooksville	Clarksdale (irr)	Clarksdale (non-irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay) non	Stoneville (clay)	Stoneville (loam)		
25	Armor	43-R43	.	.	5.3 bc	7.3 abc	5.3 cdef	6.0 defg	5.7 d	6.7 bcd	6.3 bc	4.3 bcd	5.0 def	5.8
17	Armor	44-R08	.	.	7.0 a	6.7 c	6.3 abcd	5.7 efg	6.0 cd	7.3 ab	6.0 bcd	4.7 bc	4.5 f	6.0
30	Armor	46-R65	.	.	5.0 c	7.7 ab	6.3 abcd	5.7 efg	6.0 cd	6.7 bcd	5.7 cd	4.3 bcd	5.0 def	5.8
18	Armor	AX 4430	.	.	5.3 bc	7.7 ab	5.7 bcdef	7.3 abc	7.0 a	7.0 abc	8.0 a	4.7 bc	5.0 def	6.4
29	Armor	AX 4440	.	.	5.7 bc	8.0 a	6.0 abcde	6.0 defg	6.0 cd	6.3 cd	6.0 bcd	4.3 bcd	5.0 def	5.9
24	Armor	AX 4450	.	.	5.0 c	7.3 abc	6.3 abcd	7.0 abcd	6.0 cd	6.0 d	5.5 d	5.0 b	5.0 def	5.9
32	Armor	AX 4460	.	.	5.0 c	7.7 ab	4.5 f	7.0 abcd	6.0 cd	6.7 bcd	6.0 bcd	4.5 bc	5.3 cde	5.9
1	Asgrow	AG 4135	.	.	7.7 a	8.0 a	7.0 ab	7.7 ab	6.7 ab	7.7 a	7.7 a	7.3 a	6.7 ab	7.4
4	Asgrow	AG 4232	.	.	5.0 c	7.0 bc	6.0 abcde	6.0 defg	6.0 cd	6.3 cd	5.7 cd	4.7 bc	5.0 def	5.7
2	Asgrow	AG 4533	.	.	5.7 bc	7.3 abc	6.7 abc	7.3 abc	6.0 cd	7.0 abc	5.7 cd	3.0 e	4.7 ef	5.9
5	Asgrow	AG 4534	.	.	5.0 c	7.3 abc	5.7 bcdef	6.0 defg	6.3 bc	6.3 cd	5.7 cd	4.0 cd	4.7 ef	5.7
3	Asgrow	AG 4632	.	.	5.3 bc	7.0 bc	5.0 def	6.3 cdef	6.0 cd	6.7 bcd	6.0 bcd	3.7 de	4.3	5.6
33	Croplan	R2C 4541	.	.	5.0 c	7.0 bc	6.3 abcd	6.3 cdef	6.3 bc	7.0 abc	6.0 bcd	4.0 cd	4.7 ef	5.9
6	Delta Grow	DG 4670 RR2	.	.	5.0 c	6.7 c	6.0 abcde	5.5 fg	6.0 cd	6.3 cd	5.3 d	4.0 cd	4.3 f	5.5
7	Delta Grow	DG 4685 RR2	.	.	5.3 bc	7.7 ab	6.3 abcd	6.0 defg	6.0 cd	7.0 abc	5.7 cd	4.7 bc	5.0 def	6.0
13	Dyna-Gro	31RY45	.	.	5.0 c	6.7 c	5.3 cdef	6.0 defg	7.0 a	7.3 ab	5.7 cd	3.7 de	4.7 ef	5.7
19	Dyna-Gro	S43RY95	.	.	6.0 b	7.7 ab	6.0 abcde	7.3 ab	6.0 cd	7.0 abc	6.0 bcd	4.0 cd	5.0 def	6.1
14	Dyna-Gro	S46RY85	.	.	5.3 bc	7.0 bc	6.3 abcd	5.5 fg	6.0 cd	7.0 abc	5.7 cd	4.3 bcd	5.0 def	5.8
12	Hornbeck	HBK RY 4620	.	.	5.3 bc	6.5 c	4.5 f	6.3 defg	6.0 cd	7.3 ab	5.7 cd	4.0 cd	4.3 f	5.6
8	Morsoy Extra	44x82	.	.	5.3 bc	7.7 ab	5.0 def	7.3 abc	6.3 bc	7.0 abc	5.7 cd	4.3 bcd	5.0 def	6.0
10	Morsoy Extra	46x04	.	.	5.3 bc	7.0 bc	5.3 cdef	5.7 efg	6.0 cd	6.3 cd	6.3 bc	4.7 bc	5.0 def	5.7
15	Mycogen	5N451R2	.	.	6.0 b	7.3 abc	6.0 abcde	6.7 bcde	6.0 cd	7.0 abc	5.7 cd	3.7 de	4.3 f	5.9
16	Mycogen	5N452R2	.	.	5.0 c	7.0 bc	6.0 abcde	6.3 cdef	6.0 cd	7.3 ab	6.0 bcd	4.0 cd	4.3 f	5.8
28	NK	S45-V8	.	.	5.3 bc	7.7 ab	6.3 abcd	6.3 cdef	6.3 bc	6.7 bcd	6.0 bcd	4.3 bcd	6.0 bc	6.1
27	NK	S46-L2	.	.	5.0 c	7.7 ab	6.5 abc	7.7 ab	7.0 a	7.3 ab	6.0 bcd	4.7 bc	5.0 def	6.3
20	Progeny	P 4211 RY	.	.	5.0 c	8.0 a	5.3 cdef	5.5 fg	6.0 cd	7.3 ab	6.0 bcd	4.0 cd	5.7 cd	5.9
21	Progeny	P 4440 RY	.	.	5.0 c	8.0 a	6.0 abcde	7.0 abcd	6.0 cd	6.7 bcd	8.0 a	5.0 b	5.0 def	6.3
22	Progeny	P 4510 RYS	.	.	5.0 c	6.7 c	5.3 cdef	5.0 efg	5.7 d	6.7 bcd	5.3 d	4.0 cd	5.0 def	5.4
23	Progeny	P 4613 RYS	.	.	5.7 bc	7.3 abc	6.0 abcde	6.0 defg	6.0 cd	7.0 abc	5.3 d	4.0 cd	5.0 def	5.8
11	Rev®	46R64™	.	.	6.0 b	7.3 abc	4.7 ef	7.7 ab	6.0 cd	7.0 abc	5.7 cd	4.3 bcd	5.0 def	6.0
31	Steyer	4303R2	.	.	7.0 a	8.0 a	5.5 cdef	8.0 a	6.7 ab	7.0 abc	6.7 b	7.0 a	7.0 a	7.0

Maturity Group IV Early Cercospora leaf blight ratings

Entry #	Brand	Variety	Disease rating (0-9)										Avg.	
			Brooksville	Clarksdale (irr)	Clarksdale (non-irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay) non	Stoneville (clay)	Stoneville (loam)		
26	USG	74F24RS	.	.	7.3 a	8.0 a	7.3 a	7.3 abc	7.0 a	7.0 abc	6.7 b	4.3 bcd	7.0 a	6.9
9	USG	74F53R	.	.	5.0 c	7.7 ab	6.0 abcde	7.0 abcd	6.0 cd	7.3 ab	6.7 b	4.0 cd	5.0 def	6.1
<i>R</i> ²			0.78420.47420.53390.72820.71600.6250.77390.81690.7632											
<i>CV</i>			8.597.9413.299.474.506.917.2610.639.12											
<i>p</i> -value			<0.00010.02780.0107<0.0001<0.00010.0094<0.0001<0.0001<0.0001											
<i>LSD</i>			0.80.961.341.040.470.790.740.790.78											
<i>St. Dev.</i>			0.810.650.900.950.410.620.740.870.75											

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed yellow and italics are experimental

Maturity Group IV Early Frogeye leaf spot ratings

Entry #	Brand	Variety	Disease rating (0-9)										Avg.	
			Brooksville	Clarksdale (irr)	Clarksdale (non-irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay) non	Stoneville (clay)	Stoneville (loam)		
25	Armor	43-R43	.	.	5.0 cde	6.7 ab	5.0 ab	3.3 defgh	3.7 bcde	6.7 abcde	4.3 cde	6.7 abc	5.3 cde	5.2
17	Armor	44-R08	.	.	4.7 def	5.7 bcde	1.7 defg	3.0 efghi	1.0 i	4.5 ghi	2.7 hi	4.7 gh	2.3 j	3.4
30	Armor	46-R65	.	.	4.0 f	5.0 defe	2.0 defg	2.7 fghij	2.7 efg	5.7 defgh	2.7 hi	4.3 hi	4.0 gh	3.7
18	Armor	AX 4430	.	.	4.0 f	4.7 ef	4.3 abc	3.0 efghi	3.7 bcde	6.3 bcdef	4.0 def	6.7 abc	5.7 cd	4.7
29	Armor	AX 4440	.	.	5.0 cde	3.5 gh	1.0 fg	2.7 fghij	1.7 ghi	7.0 abcde	3.0 fgh	5.0 fgh	4.3 fg	3.7
24	Armor	AX 4450	.	.	5.7 abc	6.3 abc	2.7 cdef	3.5 defg	3.3 cdef	8.0 ab	5.0 bc	6.7 abc	5.0 def	5.1
32	Armor	AX 4460	.	.	5.0 cde	2.5 hi	0.3 g	2.7 fghij	2.3 fgh	5.5 efgh	2.7 hi	5.3 efg	4.0 gh	3.4
1	Asgrow	AG 4135	.	.	4.0 f	3.3 gh	1.7 defg	3.7 cdef	1.7 ghi	4.0 hij	2.0 ij	5.3 efg	4.3 fg	3.3
4	Asgrow	AG 4232	.	.	6.3 a	5.0 def	3.3 bcde	4.0 bcde	2.7 efg	6.7 abcde	5.0 bc	6.0 cde	6.0 bc	5.0
2	Asgrow	AG 4533	.	.	1.0 h	1.3 j	1.7 defg	1.0 k	1.0 i	1.3 klm	2.0 ij	1.0 j	1.0 k	1.3
5	Asgrow	AG 4534	.	.	5.3 bcd	5.7 bcde	1.3 efg	3.7 cdef	3.7 bcde	7.3 abcd	4.7 cd	6.3 bcd	6.0 bc	4.9
3	Asgrow	AG 4632	.	.	1.0 h	1.0 j	2.0 defg	1.0 k	1.0 i	1.0 klm	1.0 k	1.0 j	1.0 k	1.1
33	Croplan	R2C 4541	.	.	1.0 h	1.3 j	2.0 defg	1.0 k	0.7 i	2.3 jkl	1.0 k	0.7 jk	1.0 k	1.2
6	Delta Grow	DG 4670 RR2	.	.	1.0 h	2.0 ij	1.0 fg	1.7 jk	1.0 i	0.7 lm	1.0 k	1.0 j	1.0 k	1.1
7	Delta Grow	DG 4685 RR2	.	.	6.0 ab	4.7 ef	3.0 bcdef	2.5 ghij	4.0 bcd	7.3 abcd	6.0 a	6.3 bcd	5.3 cde	5.0
13	Dyna-Gro	31RY45	.	.	5.0 cde	2.0 ij	2.7 cdef	1.0 k	1.0 i	1.0 klm	1.0 k	0.7 jk	1.0 k	1.7
19	Dyna-Gro	S43RY95	.	.	4.7 def	5.0 def	3.3 bcde	3.7 cdef	1.5 ghi	4.7 fghi	4.5 cde	5.3 efg	4.7 efg	4.1
14	Dyna-Gro	S46RY85	.	.	5.7 abc	5.3 cde	3.7 bcd	4.7 bc	4.7 b	7.5 abc	4.7 cd	6.7 abc	5.3 cde	5.4
12	Hornbeck	HBK RY 4620	.	.	5.3 bcd	6.7 ab	6.0 a	4.7 bc	6.0 a	8.3 a	4.7 cd	7.0 ab	6.7 ab	6.1
8	Morsoy Extra	44x82	.	.	5.3 bcd	5.3 cde	2.0 defg	3.5 defg	2.7 efg	5.3 efgh	2.7 hi	4.5 ghi	3.5 hi	3.9
10	Morsoy Extra	46x04	.	.	5.3 bcd	5.7 bcde	2.0 defg	4.7 bc	3.0 def	7.7 abc	5.0 bc	7.0 ab	5.0 def	5.0
15	Mycogen	5N451R2	.	.	1.0 h	1.0 j	2.3 cdefg	1.7 jk	1.0 i	0.5 m	1.0 k	0.0 k	1.0 k	1.1
16	Mycogen	5N452R2	.	.	3.0 g	2.5 hi	1.3 efg	1.0 k	1.3 hi	2.7 jk	1.7 jk	1.3 j	3.0 ij	2.0
28	NK	S45-V8	.	.	6.0 ab	4.7 ef	3.3 bcde	5.0 b	2.3 fgh	7.3 abcd	5.0 bc	5.7 def	5.0 def	4.9
27	NK	S46-L2	.	.	6.3 a	6.7 ab	1.0 fg	4.7 bc	3.3 cdef	8.0 ab	4.5 cde	6.7 abc	5.5 cd	5.2
20	Progeny	P 4211 RY	.	.	5.3 bcd	1.0 j	3.0 bcdef	2.7 fghij	2.3 fgh	6.0 cdefg	1.3 jk	4.7 gh	3.3 hi	3.3
21	Progeny	P 4440 RY	.	.	5.0 cde	4.0 fg	3.5 bcde	2.7 fghij	2.5 efgh	5.5 efgh	4.3 cde	6.3 bcd	5.7 cd	4.4
22	Progeny	P 4510 RYS	.	.	6.3 a	7.0 a	2.5 cdefg	6.3 a	4.7 b	7.7 abc	5.7 ab	7.3 a	7.0 a	6.1
23	Progeny	P 4613 RYS	.	.	4.7 def	4.7 ef	3.0 bcdef	2.0 ijk	1.7 ghi	7.5 abc	3.3 fgh	5.3 efg	4.0 gh	4.0
11	Rev®	46R64™	.	.	6.0 ab	6.3 abc	1.3 efg	3.0 efghi	4.3 bc	8.0 ab	3.7 efg	6.3 bcd	4.7 efg	4.9
31	Steyer	4303R2	.	.	5.0 cde	5.3 cde	3.5 bcde	4.3 bcd	1.3 hi	7.7 abc	4.0 def	5.7 def	4.3 fg	4.6

Maturity Group IV Early Frogeye leaf spot ratings

Entry #	Brand	Variety	Disease rating (0-9)										Avg.	
			Brooksville	Clarksdale (irr)	Clarksdale (non-irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay) non	Stoneville (clay)	Stoneville (loam)		
26	USG	74F24RS	.	.	4.3 ef	6.0 abcd	2.7 cdef	4.0 bcde	3.0 def	8.0 ab	4.0 def	5.3 efg	4.7 efg	4.7
9	USG	74F53R	.	.	3.0 g	1.0 j	1.5 defg	2.3 hij	1.7 ghi	3.3 ij	2.0 ij	3.7 i	1.3 k	2.2
<i>R²</i>			0.96170.93930.58750.89350.82730.89840.93630.96670.9556											
<i>CV</i>			9.4114.5454.4919.3929.8519.0915.3510.7912.41											
<i>p-value</i>			<0.0001<0.00010.0067<0.0001<0.0001<0.0001<0.0001<0.0001											
<i>LSD</i>			0.721.072.291.011.231.820.8480.860.82											
<i>St. Dev.</i>			1.722.021.571.451.422.631.602.261.87											

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group IV Early Septoria brown spot ratings

Entry #	Brand	Variety	Disease rating (0-9)		Avg.
			Falkner	Stoneville (loam)	
25	Armor	43-R43	5.7	5.5 abcde	5.6
17	Armor	44-R08	6.7	7.0 a	6.8
30	Armor	46-R65	6.0	3.7 fgh	4.8
18	<i>Armor</i>	<i>AX 4430</i>	6.3	6.0 abcd	6.2
29	<i>Armor</i>	<i>AX 4440</i>	6.7	6.0 abcd	6.3
24	<i>Armor</i>	<i>AX 4450</i>	6.7	4.3 defgh	5.5
32	<i>Armor</i>	<i>AX 4460</i>	6.3	5.3 abcdef	5.8
1	Asgrow	AG 4135	7.0	6.7 ab	6.8
4	Asgrow	AG 4232	6.0	5.7 abcde	5.8
2	Asgrow	AG 4533	6.5	5.0 bcdefg	5.8
5	Asgrow	AG 4534	7.5	3.3 gh	5.4
3	Asgrow	AG 4632	5.3	5.0 bcdefg	5.2
33	Croplan	R2C 4541	7.3	3.0 h	5.2
6	Delta Grow	DG 4670 RR2	6.3	4.0 efgh	5.2
7	Delta Grow	DG 4685 RR2	6.0	4.3 defgh	5.2
13	Dyna-Gro	31RY45	7.0	6.0 abcd	6.5
19	Dyna-Gro	S43RY95	7.0	6.0 abcd	6.5
14	Dyna-Gro	S46RY85	6.0	5.3 abcdef	5.7
12	Hornbeck	HBK RY 4620	6.0	4.7 cdefgh	5.3
8	Morsoy Extra	44x82	5.3	6.7 ab	6.0
10	<i>Morsoy Extra</i>	<i>46x04</i>	6.7	4.0 efgh	5.3
15	Mycogen	5N451R2	6.0	4.7 cdefgh	5.3
16	Mycogen	5N452R2	6.3	5.3 abcdef	5.8
28	NK	S45-V8	6.7	5.7 abcde	6.2
27	NK	S46-L2	7.0	6.0 abcd	6.5
20	Progeny	P 4211 RY	7.0	4.7 cdefgh	5.8
21	Progeny	P 4440 RY	6.5	4.3 defgh	5.4
22	Progeny	P 4510 RYS	6.7	5.0 bcdef	5.8
23	Progeny	P 4613 RYS	6.5	4.7 cdefgh	5.6
11	Rev®	46R64™	6.0	3.7 fgh	4.8
31	Steyer	4303R2	7.5	5.7 abcde	6.6
26	USG	74F24RS	6.0	3.0 h	4.5
9	USG	74F53R	6.5	6.3 abc	6.4
R^2			0.4705	0.6468	
CV			11.68	19.72	
p -value			0.1504	<0.0001	
LSD			1.35	1.68	
St. Dev.			0.80	1.35	

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group IV Late Cercospora leaf blight ratings

Entry	Brand	Variety	Disease rating (0-9)											Avg.
			Brooksville	Clarksdale (irr)	Clarksdale (non-irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay) non	Stoneville (clay)	Stoneville (loam)		
44	Armor	47-R13	.	.	5.0 cd	7.0 bcd	5.0 ab	6.0 abcd	5.7 bc	6.0 bcd	5.7 bc	4.3	5.0 ab	5.5
33	Armor	48-R66	.	.	5.0 cd	7.0 bcd	5.3 a	6.0 abcd	6.0 bc	5.7 cde	5.3 cd	5.0	5.0 ab	5.6
40	Armor	49-R56	.	.	5.0 cd	7.0 bcd	4.3 bcd	5.7 bcde	6.0 bc	6.3 abc	5.3 cd	5.0	5.0 ab	5.5
47	Armor	AX 4470	.	.	5.0 cd	7.3 abc	4.3 bcd	5.3 cde	6.0 bc	6.3 abc	5.7 bc	4.3	4.7 bc	5.4
34	Armor	AX 4471	.	.	5.3 bc	7.7 ab	4.7 abc	5.3 cde	6.0 bc	6.3 abc	6.3 a	4.7	5.0 ab	5.7
51	Armor	AX 4480	.	.	5.0 cd	7.7 ab	4.0 cde	6.7 ab	6.3 ab	6.7 ab	6.0 ab	4.7	5.0 ab	5.8
48	Armor	AX 4490	.	.	5.0 cd	7.3 abc	4.3 bcd	5.3 cde	5.7 bc	6.3 abc	5.0 d	4.7	4.7 bc	5.4
52	Armor	DK 4744 (CK)	.	.	5.0 cd	7.0 bcd	5.0 ab	5.3 cde	6.0 bc	7.0 a	6.0 ab	4.7	5.0 ab	5.7
10	Asgrow	AG 4835	.	.	5.0 cd	7.0 bcd	3.7 de	5.7 bcde	5.7 bc	5.7 cde	5.0 d	4.3	4.7 bc	5.2
9	Asgrow	AG 4934	.	.	5.0 cd	7.3 abc	4.0 cde	5.0 de	6.0 bc	6.0 bcd	5.7 bc	4.3	4.7 bc	5.3
50	Croplan	R2C 4752S	.	.	5.0 cd	7.0 bcd	5.0 ab	5.7 bcde	6.0 bc	5.0 e	5.3 cd	4.7	5.3 a	5.4
53	Croplan	R2C 4873	.	.	5.0 cd	7.0 bcd	5.3 a	5.3 cde	6.0 bc	5.3 de	5.3 cd	4.7	4.7 bc	5.4
1	Delta Grow	DG 4755 RR2	.	.	4.3 e	7.7 ab	5.0 ab	7.0 a	6.0 bc	6.7 ab	6.0 ab	5.0	5.0 ab	5.9
2	Delta Grow	DG 4765 RR2/STS	.	.	5.0 cd	6.7 cde	5.3 a	6.0 abcd	6.0 bc	6.7 ab	5.0 d	4.7	4.7 bc	5.6
3	Delta Grow	DG 4775 RR2/STS	.	.	5.0 cd	6.7 cde	5.3 a	6.0 abcd	6.0 bc	6.0 bcd	5.7 bc	4.7	5.0 ab	5.6
4	Delta Grow	DG 4825 RR2/STS	.	.	5.0 cd	6.0 e	4.7 abc	5.7 bcde	5.7 bc	6.0 bcd	5.3 cd	4.7	4.5 bc	5.3
8	Delta Grow	DG 4880 RR	.	.	5.0 cd	6.0 e	4.3 bcd	5.7 bcde	5.7 bc	5.7 cde	5.0 d	5.0	5.0 ab	5.3
5	Delta Grow	DG 4925 RR2	.	.	5.3 bc	7.3 abc	4.0 cde	5.3 cde	5.3 c	5.7 cde	5.3 cd	4.3	4.7 bc	5.3
11	Delta Grow	DG 4930 RR2/STS	.	.	5.0 cd	6.7 cde	4.3 bcd	4.7 e	5.5 c	6.3 abc	5.3 cd	4.3	4.7 bc	5.2
6	Delta Grow	DG 4940 RR	.	.	5.7 ab	6.3 de	3.7 de	4.7 e	5.7 bc	5.7 cde	6.0 ab	5.0	5.0 ab	5.3
7	Delta Grow	DG 4970 RR	.	.	5.0 cd	7.3 abc	4.7 abc	5.7 bcde	6.0 bc	6.3 abc	5.0 d	5.0	4.7 bc	5.5
12	Delta Grow	DG 4985 RR2	.	.	5.0 cd	6.0 e	4.7 abc	5.0 de	5.3 c	5.0 e	5.0 d	4.7	5.0 ab	5.1
26	Dyna-Gro	37RY47	.	.	5.0 cd	7.0 bcd	3.7 de	5.7 bcde	6.3 ab	6.3 abc	5.7 bc	4.7	4.7 bc	5.4
27	Dyna-Gro	S47RY13	.	.	5.0 cd	7.7 ab	3.5 de	6.7 ab	6.0 bc	6.7 ab	5.3 cd	4.3	4.7 bc	5.5
29	Dyna-Gro	S48RS53	.	.	5.0 cd	6.7 cde	4.7 abc	6.3 abc	6.0 bc	6.3 abc	5.3 cd	4.7	5.0 ab	5.6
30	Dyna-Gro	S49RY25	.	.	5.0 cd	6.7 cde	4.3 bcd	5.0 de	6.0 bc	5.7 cde	5.3 cd	4.3	4.7 bc	5.2
28	Dyna-Gro	SX14847RS	.	.	5.3 bc	7.0 bcd	4.7 abc	5.7 bcde	6.0 bc	6.0 bcd	5.3 cd	4.7	4.3 c	5.4
16	Great Heart Seed	GT 476 CR2	.	.	5.0 cd	8.0 a	4.3 bcd	5.0 de	5.5 c	6.7 ab	5.3 cd	4.7	4.7 bc	5.5
49	Great Heart Seed	GT 482 CR2	.	.	5.0 cd	7.3 abc	5.3 a	6.0 abcd	6.3 ab	6.3 abc	5.7 bc	4.7	4.3 c	5.7
42	Hornbeck	BX 4959 RY	.	.	5.3 bc	7.0 bcd	3.3 e	5.7 bcde	5.7 bc	6.0 bcd	5.3 cd	4.7	4.7 bc	5.3
25	Hornbeck	HBK RY4721	.	.	6.0 a	7.3 abc	4.3 bcd	6.3 abc	6.0 bc	5.3 de	6.0 ab	4.3	4.7 bc	5.6

Maturity Group IV Late Cercospora leaf blight ratings

Entry	Brand	Variety	Disease rating (0-9)										Avg.	
			Brooksville	Clarksdale (irr)	Clarksdale (non-irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay) non	Stoneville (clay)	Stoneville (loam)		
13	Morsoy Extra	47x12	.	.	5.0 cd	6.7 cde	5.0 ab	5.0 de	6.0 bc	5.7 cde	5.0 d	4.7	5.0 ab	5.3
17	Morsoy Extra	48x02	.	.	5.3 bc	7.3 abc	4.3 bcd	7.0 a	5.7 bc	6.3 abc	6.0 ab	5.0	5.0 ab	5.8
14	Morsoy Extra	48x34	.	.	4.7 de	6.3 de	4.7 abc	5.0 de	6.0 bc	5.7 cde	5.0 d	4.0	4.5 bc	5.1
18	Morsoy Extra	49x54	.	.	5.0 cd	7.3 abc	3.7 de	5.0 de	5.7 bc	6.3 abc	5.0 d	4.3	5.0 ab	5.3
45	MPG	4714 NRR	.	.	5.0 cd	7.0 bcd	3.7 de	5.3 cde	6.0 bc	5.3 de	5.3 cd	4.3	5.0 ab	5.2
31	Mycogen	5N478R2	.	.	5.0 cd	7.5 abc	5.3 a	6.0 abcd	6.3 ab	6.3 abc	6.0 ab	4.7	4.7 bc	5.8
32	Mycogen	5N479R2	.	.	5.0 cd	6.7 cde	5.0 ab	5.3 cde	5.7 bc	6.0 bcd	5.0 d	4.7	5.0 ab	5.4
41	Mycogen	MYCX 54490 NR2	.	.	5.0 cd	7.7 ab	4.3 bcd	6.0 abcd	6.0 bc	5.3 de	5.0 d	5.5	5.0 ab	5.5
46	NK	S47-K5	.	.	5.0 cd	7.3 abc	4.3 bcd	6.0 abcd	6.0 bc	6.3 abc	5.0 d	4.3	4.7 bc	5.4
35	Progeny	P 4747 RY	.	.	5.0 cd	7.3 abc	4.3 bcd	6.0 abcd	5.7 bc	5.7 cde	5.3 cd	5.0	5.0 ab	5.5
36	Progeny	P 4788 RY	.	.	5.3 bc	8.0 a	3.7 de	7.0 a	7.0 a	6.3 abc	6.0 ab	4.7	5.0 ab	5.9
37	Progeny	P 4848 RYS	.	.	5.3 bc	7.0 bcd	4.3 bcd	5.7 bcde	6.0 bc	6.3 abc	5.0 d	4.7	4.3 c	5.4
38	Progeny	P 4850 RYS	.	.	5.3 bc	7.0 bcd	4.7 abc	5.0 de	5.3 c	6.3 abc	5.0 d	5.0	5.0 ab	5.4
39	Progeny	P 4900 RY	.	.	5.3 bc	7.0 bcd	4.0 cde	6.0 abcd	5.5 c	6.0 bcd	5.3 cd	4.7	5.3 ab	5.5
21	REV®	47R34™	.	.	5.7 ab	7.3 abc	4.3 bcd	6.7 ab	5.5 c	6.3 abc	5.3 cd	4.3	4.3 c	5.5
20	REV®	47R53™	.	.	5.3 bc	7.3 abc	4.3 bcd	6.0 abcd	5.7 bc	6.7 ab	6.0 ab	5.0	5.0 ab	5.7
23	REV®	48R22™	.	.	5.3 bc	7.7 ab	3.3 e	7.0 a	5.7 bc	6.0 bcd	6.0 ab	4.3	5.0 ab	5.6
22	REV®	48R44™	.	.	5.0 cd	7.7 ab	4.0 cde	7.0 a	6.0 bc	6.7 ab	5.0 d	4.7	4.7 bc	5.6
43	REV®	49A55™	.	.	5.3 bc	7.3 abc	4.7 abc	5.7 bcde	5.7 bc	5.7 cde	6.0 ab	4.7	5.0 ab	5.6
24	REV®	49R94™	.	.	5.3 bc	7.0 bcd	4.0 cde	5.7 bcde	5.7 bc	6.3 abc	5.7 bc	5.0	5.0 ab	5.5
19	USG	74B83R	.	.	5.0 cd	7.0 bcd	4.7 abc	5.7 bcde	5.3 c	5.7 cde	5.0 d	5.0	5.0 ab	5.4
15	USG	74B94RS	.	.	4.7 de	6.7 cde	4.7 abc	5.0 de	5.3 c	5.3 de	5.0 d	4.3	5.0 ab	5.1
R ²			0.51710.57890.56680.60730.48750.54410.59340.37540.5936											
CV			6.297.7613.3611.817.129.267.3710.396.68											
p-value			0.00520.0012<0.0001<0.00010.03810.0007<0.00010.50910.0270											
LSD			0.530.900.971.130.711.981.980.790.53											
St. Dev.			0.370.690.730.870.460.670.510.490.41											

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group IV Late Frogeye leaf spot ratings

			Disease rating (0-9)											
Entry	Brand	Variety	Brooksville	Clarksdale (irr)	Clarksdale (non-irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay) non	Stoneville (clay)	Stoneville (loam)	Avg.	
44	Armor	47-R13	.	.	3.7 klm	2.0 klmn	2.3 klmn	2.0 ijk	2.0 defg	6.0 fghij	3.3 ghi	4.0 hij	3.3 ij	3.2
33	Armor	48-R66	.	.	6.0 defg	6.0 abcd	4.7 efgh	3.7 cdefghi	1.7 efg	7.7 abcde	5.0 bcd	6.0 cd	5.7 cde	5.1
40	Armor	49-R56	.	.	5.3 fghi	3.7 ghij	3.3 hijk	4.0 cdefgh	3.3 abcde	4.7 jklm	3.7 fgh	5.3 def	4.7 fgh	4.2
47	Armor	AX 4470	.	.	7.0 abcd	5.5 abcdef	5.0 defg	4.3 bcdefg	2.7 cdefg	8.0 abcd	4.3 def	7.0 ab	5.7 cde	5.5
34	Armor	AX 4471	.	.	5.7 efgh	4.7 defgh	2.3 klmn	2.5 ghijk	3.0 bcdef	7.7 abcde	2.7 ij	4.7 fgh	4.3 gh	4.2
51	Armor	AX 4480	.	.	8.0 a	6.3 abc	7.3 a	7.0 a	5.0 a	8.7 ab	6.0 a	7.7 a	6.7 ab	7.0
48	Armor	AX 4490	.	.	6.7 bcde	7.0 a	6.3 abcd	4.5 bcdef	1.7 efg	7.3 bcdef	5.0 bd	7.0 ab	7.0 a	5.8
52	Armor	DK 4744 (CK)	.	.	7.3 abc	6.3 abc	6.7 abc	4.3 bcdefg	5.0 a	9.0 a	5.7 ab	7.0 ab	6.7 ab	6.4
10	Asgrow	AG 4835	.	.	4.7 hijk	3.7 ghij	2.3 klmn	2.7 fghijk	2.3 cdefg	4.3 klmn	1.0 lm	3.3 jk	3.0 j	3.0
9	Asgrow	AG 4934	.	.	6.3 cdef	5.3 bcdef	6.3 abcd	4.7 bcde	4.5 ab	7.0 cdefg	4.7 cde	6.7 bc	6.0 bcd	5.7
50	Croplan	R2C 4752S	.	.	4.0 jklm	2.7 jklm	2.0 klmno	2.3 hijk	1.5 fg	5.3 hijkl	3.0 hi	3.0 k	3.0 j	3.0
53	Croplan	R2C 4873	.	.	6.0 defg	5.7 abcde	5.3 cdefg	4.3 bcdefg	3.3 abcde	7.7 abcde	5.0 bcd	6.0 cd	5.0 efg	5.4
1	Delta Grow	DG 4755 RR2	.	.	5.7 efgh	5.3 bcdef	2.3 klmn	3.3 defghij	4.0 abc	5.3 hijkl	4.0 efg	5.7 de	5.3 def	4.6
2	Delta Grow	DG 4765 RR2/STS	.	.	4.3 ijkl	4.7 defgh	2.0 klmno	2.0 ijk	1.3 fg	4.7 jklm	2.7 ij	4.0 hij	3.3 ij	3.2
3	Delta Grow	DG 4775 RR2/STS	.	.	6.7 bcde	5.0 cdefg	7.0 ab	6.0 bcd	3.3 abcde	7.3 bcdef	5.3 abc	6.7 bc	5.7 cde	5.9
4	Delta Grow	DG 4825 RR2/STS	.	.	6.0 defg	4.7 defgh	6.0 abcde	2.0 ijk	3.3 abcde	5.7 ghijk	5.0 bcd	6.0 cd	5.7 cde	4.9
8	Delta Grow	DG 4880 RR	.	.	1.0 p	1.7 lm	0.7 opq	1.0 k	1.7 efg	1.7 op	0.0 n	0.0 n	0.0 m	0.9
5	Delta Grow	DG 4925 RR2	.	.	5.7 efgh	5.3 bcdef	5.0 defg	3.7 cdefghi	3.0 bcdef	6.7 defgh	4.3 def	6.0 cd	4.7 fgh	4.9
11	Delta Grow	DG 4930 RR2/STS	.	.	7.7 ab	6.7 ab	5.3 cdefg	5.5 abc	4.0 abc	8.3 abc	4.7 cde	7.0 ab	6.3 abc	6.2
6	Delta Grow	DG 4940 RR	.	.	4.0 jklm	3.3 ghij	3.3 hijk	3.0 efghij	2.0 defg	5.3 hijkl	3.7 fgh	5.0 efg	4.3 gh	3.8
7	Delta Grow	DG 4970 RR	.	.	1.0 p	1.3 mn	0.0 q	2.3 hijk	1.5 fg	2.0 op	1.7 kl	1.0 lm	1.0 l	1.3
12	Delta Grow	DG 4985 RR2	.	.	4.3 ijkl	3.3 ghij	1.3 mnopq	3.7 cdefghi	2.3 cdefg	5.0 ijklm	3.3 ghi	3.3 jk	3.0 j	3.3
26	Dyna-Gro	37RY47	.	.	8.0 a	5.7 abcde	6.0 abcde	5.5 abc	5.0 a	8.0 abcd	5.7 ab	7.3 ab	7.0 a	6.5
27	Dyna-Gro	S47RY13	.	.	5.3 fghi	4.7 defgh	4.0 ghij	3.3 defghij	3.0 bcdef	5.7 ghijk	2.5 ijk	5.3 def	5.3 def	4.4
29	Dyna-Gro	S48RS53	.	.	3.7 klm	3.3 ghij	1.3 mnopq	2.0 ijk	1.3 fg	4.7 jklm	2.0 jk	3.7 ijk	2.7 jk	2.7
30	Dyna-Gro	S49RY25	.	.	5.3 fghi	4.0 fghij	1.3 mnopq	3.0 efghij	2.0 defg	6.3 efghi	2.7 ij	4.3 ghi	4.0 hi	3.7
28	Dyna-Gro	SX14847RS	.	.	7.0 abcd	5.3 bcdef	6.0 abcde	4.0 cdefgh	2.3 cdefg	8.0 abcd	5.0 bcd	6.7 bc	6.0 bcd	5.6
16	Great Heart Seed	GT 476 CR2	.	.	5.7 efgh	5.0 cdefg	3.0 ijkl	4.3 bcdefg	2.5 cdefg	6.0 fghij	4.3 def	5.3 def	4.3 gh	4.5
49	Great Heart Seed	GT 482 CR2	.	.	7.0 abcd	6.0 abcd	7.0 ab	4.3 bcdefg	4.0 abc	8.0 abcd	5.0 bcd	6.7 bc	5.3 def	5.9
42	Hornbeck	BX 4959 RY	.	.	3.0 mn	3.0 ijkl	2.7 jklm	2.7 fghijk	2.3 cdefg	4.0 lm	3.0 hi	3.7 ijk	4.3 gh	3.2
25	Hornbeck	HBK RY4721	.	.	1.0 p	3.3 ghij	1.0 nopq	1.0 k	1.0 g	3.0 no	2.7 ij	0.3 mn	0.3 lm	1.5

Maturity Group IV Late Frogeye leaf spot ratings

			Disease rating (0-9)											
Entry	Brand	Variety	Brooksville	Clarksdale (irr)	Clarksdale (non-irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay) non	Stoneville (clay)	Stoneville (loam)	Avg.	
13	Morsoy Extra	47x12	.	.	4.3 ijkl	3.3 ghij	4.0 ghij	3.0 efghij	2.3 cdefg	5.7 ghijk	2.7 ij	4.0 hij	2.7 jk	3.6
17	Morsoy Extra	48x02	.	.	5.3 fgghi	4.0 fghij	5.0 defg	2.7 fghijk	2.7 cdefg	5.7 ghijk	4.0 efg	5.3 def	4.3 gh	4.3
14	Morsoy Extra	48x34	.	.	6.7 bcde	6.0 abcd	5.7 bcdef	5.0 bcd	4.5 ab	7.7 abcde	5.0 bcd	7.0 ab	6.7 ab	6.0
18	Morsoy Extra	49x54	.	.	5.0 fhij	3.7 ghij	2.3 klmn	3.0 efghij	2.0 defg	5.3 hijkl	3.7 fgh	4.7 fgh	3.3 ij	3.7
45	MPG	4714 NRR	.	.	6.7 bcde	5.3 bcdef	4.3 fgghi	3.7 cdefghi	2.7 cdefg	7.7 abcde	4.7 cde	6.0 cd	5.3 def	5.1
31	Mycogen	5N478R2	.	.	2.3 no	1.5 lm	1.3 mnopq	1.5 jk	1.7 efg	2.0 op	2.0 jk	1.3 l	1.0 l	1.6
32	Mycogen	5N479R2	.	.	5.0 ghij	3.7 ghij	2.7 jklm	2.7 fghijk	2.3 cdefg	6.0 fghij	3.3 ghi	4.3 ghi	3.0 j	3.7
41	Mycogen	MYCX 54490 NR2	.	.	5.0 ghij	6.0 abcd	2.7 jklm	2.5 ghijk	3.7 abcd	5.7 ghijk	3.3 ghi	4.7 fgh	3.3 ij	4.1
46	NK	S47-K5	.	.	1.0 p	1.0 n	1.0 nopq	1.0 k	1.7 efg	1.0 pq	1.0 lm	1.0 lm	1.0 l	1.1
35	Progeny	P 4747 RY	.	.	3.3 lm	3.7 ghij	2.7 jklm	2.0 ijk	1.7 efg	3.7 mn	3.0 hi	4.3 ghi	3.0 j	3.0
36	Progeny	P 4788 RY	.	.	1.0 p	1.0 n	2.0 klmno	3.0 efghij	1.0 g	7.0 cdefg	0.3 mn	1.0 lm	3.0 j	2.1
37	Progeny	P 4848 RYS	.	.	7.0 abcd	4.3 efghi	5.0 defg	5.3 abc	5.0 a	8.7 ab	5.0 bcd	6.7 bc	6.0 bcd	5.9
38	Progeny	P 4850 RYS	.	.	4.0 jklm	3.3 ghij	3.3 hijk	3.3 defghij	2.0 defg	6.0 fghij	3.3 ghi	4.3 ghi	3.0 j	3.6
39	Progeny	P 4900 RY	.	.	5.7 efgh	3.0 ijkl	2.7 jklm	1.7 jk	2.5 cdefg	5.7 ghijk	3.3 ghi	5.7 de	4.7 fgh	3.9
21	REV®	47R34™	.	.	1.0 p	2.0 klmn	0.0 q	1.7 jk	1.5 fg	0.0 q	1.0 lm	1.0 lm	0.0 m	0.9
20	REV®	47R53™	.	.	1.0 p	1.3 mn	0.0 q	1.7 jk	1.7 efg	1.0 pq	1.0 lm	1.0 lm	1.0 l	1.1
23	REV®	48R22™	.	.	3.7 klm	2.0 klmn	2.3 klmn	2.3 hijk	1.7 efg	5.0 ijklm	2.7 ij	3.0 k	2.0 k	2.7
22	REV®	48R44™	.	.	1.0 p	1.3 mn	0.3 pq	2.0 ijk	5.0 a	0.0 q	1.0 lm	1.0 lm	1.0 l	1.4
43	REV®	49A55™	.	.	1.3 op	1.0 n	1.0 nopq	2.0 ijk	1.0 g	0.0 q	1.0 lm	0.3 mn	1.0 l	1.0
24	REV®	49R94™	.	.	1.0 p	1.0 n	1.7 lmnop	1.7 jk	1.0 g	0.0 q	1.0 lm	1.0 lm	0.0 m	0.9
19	USG	74B83R	.	.	5.7 efgh	4.0 fghij	5.3 cdefg	4.5 bcdef	3.0 bcdef	7.7 abcde	5.0 bcd	5.7 de	5.0 efg	5.1
15	USG	74B94RS	.	.	6.3 cdef	5.3 bcdef	4.7 efgh	3.3 defghij	2.3 cdefg	8.3 abc	5.3 abc	7.7 a	6.7 ab	5.6
R ²			0.93030.83420.89560.68580.68480.92170.91260.96360.9458											
CV			15.1925.9226.2235.5537.9916.8417.6311.9615.21											
p-value			<0.0001<0.0001<0.0001<0.0001<0.0001<0.0001<0.0001<0.0001											
LSD			1.181.591.441.881.681.50.981.980.98											
St. Dev.			2.191.802.191.571.352.651.642.272.08											

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group IV Late Septoria brown spot ratings

Entry #	Brand	Variety	Disease rating (0-9)	
			Falkner	Stoneville (loam)
44	Armor	47-R13	5.7 abcd	2.5 gh
33	Armor	48-R66	5.0 cde	4.3 bcde
40	Armor	49-R56	5.7 abcd	3.7 defg
47	Armor	AX 4470	6.0 abc	4.0 cdef
34	Armor	AX 4471	5.0 cde	4.3 bcde
51	Armor	AX 4480	6.7 a	3.0 efgh
48	Armor	AX 4490	5.3 bcde	3.3 defgh
52	Armor	DK 4744 (CK)	5.7 abcd	4.0 cdef
10	Asgrow	AG 4835	5.0 cde	3.7 defg
9	Asgrow	AG 4934	5.0 cde	2.7 fgh
50	Croplan	R2C 4752S	5.3 bcde	3.3 defgh
53	Croplan	R2C 4873	5.3 bcde	4.0 cdef
1	Delta Grow	DG 4755 RR2	6.3 ab	6.0 a
2	Delta Grow	DG 4765 RR2/STS	5.7 abcd	2.7 fgh
3	Delta Grow	DG 4775 RR2/STS	6.0 abc	3.7 defg
4	Delta Grow	DG 4825 RR2/STS	5.0 cde	4.7 abcd
8	Delta Grow	DG 4880 RR	6.3 ab	4.7 abcd
5	Delta Grow	DG 4925 RR2	4.3 ef	3.3 defgh
11	Delta Grow	DG 4930 RR2/STS	5.3 bcde	3.3 defgh
6	Delta Grow	DG 4940 RR	3.3 f	2.0 h
7	Delta Grow	DG 4970 RR	5.3 bcde	2.7 fgh
12	Delta Grow	DG 4985 RR2	4.3 ef	3.3 defgh
26	Dyna-Gro	37RY47	6.7 a	4.7 abcd
27	Dyna-Gro	S47RY13	6.3 ab	3.7 defg
29	Dyna-Gro	S48RS53	5.7 abcd	3.7 defg
30	Dyna-Gro	S49RY25	5.0 cde	3.3 defgh
28	Dyna-Gro	SX14847RS	5.7 abcd	3.3 defgh
16	Great Heart Se	GT 476 CR2	6.7 a	3.7 defg
49	Great Heart Se	GT 482 CR2	6.5 ab	3.3 defgh
42	Hornbeck	BX 4959 RY	5.7 abcd	3.3 defgh
25	Hornbeck	HBK RY4721	4.7 de	3.3 defgh
13	Morsoy Extra	47x12	5.7 abcd	3.7 defg
17	Morsoy Extra	48x02	5.7 abcd	3.0 efgh
14	Morsoy Extra	48x34	5.3 bcde	3.0 efgh
18	Morsoy Extra	49x54	4.7 de	3.3 defgh
45	MPG	4714 NRR	4.7 de	4.0 cdef
31	Mycogen	5N478R2	6.3 ab	3.3 defgh
32	Mycogen	5N479R2	5.0 cde	2.7 fgh
41	Mycogen	MYCX 54490 NR2	5.3 bcde	2.7 fgh
46	NK	S47-K5	6.5 ab	3.3 defgh
35	Progeny	P 4747 RY	5.7 abcd	3.0 efgh
36	Progeny	P 4788 RY	6.0 abc	3.7 defg
37	Progeny	P 4848 RYS	6.7 a	4.3 bcde
38	Progeny	P 4850 RYS	5.0 cde	2.7 fgh
39	Progeny	P 4900 RY	5.7 abcd	3.0 efgh

Maturity Group IV Late Septoria brown spot ratings

Entry #	Brand	Variety	Disease rating (0-9)	
			Falkner	Stoneville (loam)
21	REV®	47R34™	6.7 a	5.3 abc
20	REV®	47R53™	6.3 ab	4.3 bcde
23	REV®	48R22™	4.3 ef	4.3 bcde
22	REV®	48R44™	6.0 abc	3.7 defg
43	REV®	49A55™	5.0 cde	4.0 cdef
24	REV®	49R94™	6.0 abc	5.5 ab
19	USG	74B83R	5.3 bcde	4.7 abcd
15	USG	74B94RS	4.7 de	2.3 gh
<i>R</i> ²			0.5914	0.5482
CV			13.89	25.12
<i>p</i> -value			<0.0001	0.0007
LSD			1.26	1.48
St. Dev.			0.97	1.08

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group V Early Cercospora leaf blight ratings

Entry #	Brand	Variety	Disease rating (0-9)								Avg.
			Brooksville	Clarksdale (irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay)	Stoneville (loam)	
40	Armor	50-R44	7.0 a	6.0 bc	6.7 ab	8.0 a	5.0 abc	7.7 ab	8.0 a	8.0 a	7.0
50	Armor	51-R50	6.3 bc	6.0 bc	6.3 bc	8.0 a	5.3 ab	8.0 a	8.0 a	6.0 de	6.8
43	Armor	53-R16	6.0 cd	6.0 bc	6.0 c	6.0 fg	5.0 abc	7.0 bcd	7.0 bcd	6.0 de	6.1
39	Armor	AX 4500	6.7 ab	5.0 d	7.0 a	8.0 a	5.7 a	7.3 abc	8.0 a	6.0 de	6.7
41	Armor	AX 4520	6.0 cd	6.0 bc	6.0 c	6.0 fg	5.0 abc	6.7 cde	6.7 cde	6.0 de	6.0
3	Asgrow	AG 5233	6.7 ab	6.3 ab	7.0 a	7.3 bc	5.7 a	7.7 ab	8.0 a	6.0 de	6.8
4	Asgrow	AG 5332	6.0 cd	6.0 bc	7.0 a	6.7 de	5.3 ab	7.0 bcd	6.7 cde	5.7 ef	6.3
26	Asgrow	AG 5533	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.7 bcd	6.3 de	6.7 cde	6.0 de	6.0
6	Asgrow	AG 5535	5.7 d	6.0 bc	6.0 c	6.0 fg	4.3 cd	6.0 e	6.0 ef	6.0 de	5.8
5	Asgrow	AG5335	6.3 bc	5.7 c	7.0 a	7.3 bc	5.0 abc	6.7 cde	8.0 a	5.3 f	6.4
51	Croplan	R2C 5081	6.0 cd	6.0 bc	6.0 c	6.7 de	5.0 abc	7.0 bcd	7.7 ab	6.0 de	6.3
12	Delta Grow	DG 5230 RR2	6.0 cd	6.0 bc	6.0 c	6.3 ef	4.7 bcd	6.0 e	7.0 bcd	6.0 de	6.0
1	Delta Grow	DG 5475 RR2	6.0 cd	5.7 c	6.0 c	6.0 fg	4.3 cd	6.3 de	6.3 def	6.0 de	5.8
2	Delta Grow	DG 5480 RR2	6.3 bc	6.0 bc	6.0 c	6.3 ef	4.3 cd	6.3 de	6.7 cde	6.0 de	6.0
44	Delta Grow	DG 5556 RR	5.7 d	6.0 bc	6.0 c	6.0 fg	4.3 cd	6.7 cde	6.0 ef	6.0 de	5.8
13	Delta Grow	DG 5575 RR2	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.3 cd	6.7 cde	6.0 ef	6.0 de	5.9
34	Dyna-Gro	32RY55	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.3 cd	6.3 de	6.0 ef	6.0 de	5.8
29	Dyna-Gro	S52RY75	6.0 cd	6.0 bc	6.0 c	6.3 ef	5.0 abc	6.3 de	6.7 cde	6.0 de	6.0
30	Dyna-Gro	S54RY43	5.7 d	6.0 bc	6.0 c	6.0 fg	4.3 cd	6.3 de	7.0 bcd	6.3 cd	6.0
31	Dyna-Gro	S56RY84	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.3 cd	6.3 de	6.0 ef	6.0 de	5.8
19	Great Heart Seed	GT 500 CR2S	6.0 cd	6.0 bc	6.7 ab	6.7 de	5.3 ab	6.7 cde	7.3 abc	6.0 de	6.3
20	Great Heart Seed	GT 516 CR2	6.0 cd	5.7 c	7.0 a	7.7 ab	5.3 ab	7.0 bcd	8.0 a	6.0 de	6.6
27	Hornbeck	HBK RY 5221	6.0 cd	5.7 c	6.7 ab	7.7 ab	4.7 bcd	8.0 a	8.0 a	6.0 de	6.6
28	Hornbeck	HBK RY 5421	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.3 cd	6.3 de	6.7 cde	6.0 de	5.9
16	Morsoy Extra	51x31	6.0 cd	6.0 bc	6.3 bc	7.0 cd	4.7 bcd	7.0 bcd	6.7 cde	6.0 de	6.2
17	Morsoy Extra	53x82	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.3 cd	6.3 de	6.3 def	6.0 de	5.9
18	Morsoy Extra	54x41	6.3 bc	6.0 bc	6.0 c	6.0 fg	4.3 cd	6.3 de	6.0 ef	6.0 de	5.9
21	Morsoy Extra	56x02	5.7 d	4.5 e	5.3 d	5.7 g	4.7 bcd	7.0 bcd	7.0 bcd	5.7 ef	5.7
14	MPG	5214 NRR	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.7 bcd	6.7 cde	6.3 def	6.0 de	6.0
15	MPG	5314 NRR	6.7 ab	6.7 a	7.0 a	6.7 de	5.3 ab	6.7 cde	8.0 a	6.7 bc	6.7
32	Mycogen	5N540R2	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.7 bcd	6.3 de	6.3 def	6.0 de	5.9

Maturity Group V Early Cercospora leaf blight ratings

Entry #	Brand	Variety	Disease rating (0-9)								Avg.
			Brooksville	Clarksdale (irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay)	Stoneville (loam)	
33	Mycogen	5N550R2	6.0 cd	6.0 bc	6.3 bc	5.7 g	4.0 d	6.3 de	6.0 ef	6.0 de	5.8
42	Mycogen	<i>MYCX54522NR2</i>	6.0 cd	6.0 bc	6.0 c	6.3 ef	4.7 bcd	6.7 cde	6.7 cde	6.0 de	6.0
46	NK	S51-C5	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.7 bcd	6.0 e	7.0 bcd	5.7 ef	5.9
45	NK	S52-Y2	6.0 cd	5.7 c	6.7 ab	7.0 cd	5.3 ab	7.3 abc	7.7 ab	6.0 de	6.5
47	NK	S55-Q3	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.3 cd	6.0 e	5.7 f	6.0 de	5.8
35	Progeny	P 5213 RY	6.7 ab	6.3 ab	6.5 b	8.0 a	5.0 abc	7.3 abc	8.0 a	6.0 de	6.7
36	Progeny	P 5333 RY	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.7 bcd	6.7 cde	7.0 bcd	6.0 de	6.0
37	Progeny	P 5555 RY	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.7 bcd	6.3 de	6.0 ef	6.0 de	5.9
38	Progeny	P 5610 RY	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.0 d	6.0 e	6.0 ef	6.0 de	5.8
22	REV®	51R53™	6.0 cd	6.0 bc	7.0 a	7.0 cd	5.0 abc	6.7 cde	7.7 ab	6.0 de	6.4
48	REV®	52R74™	6.0 cd	6.3 ab	6.3 bc	7.0 cd	5.0 abc	7.0 bcd	7.3 abc	6.0 de	6.4
49	REV®	52RA94™	6.3 bc	6.3 ab	6.7 ab	7.7 ab	5.0 abc	7.3 abc	8.0 a	7.0 b	6.8
24	REV®	54R84™	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.7 bcd	6.3 de	6.0 ef	6.0 de	5.9
25	REV®	55R53™	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.0 d	6.3 de	6.7 cde	6.0 de	5.9
23	REV®	56R63™	5.7 d	6.0 bc	6.3 bc	6.0 fg	4.0 d	6.0 e	6.0 ef	6.0 de	5.8
7	Univ. Arkansas	<i>R04-1250 RR</i>	5.7 d	6.0 bc	6.0 c	6.0 fg	4.0 d	6.0 e	6.7 cde	6.0 de	5.8
8	Univ. Arkansas	<i>R04-1268 RR</i>	6.0 cd	6.0 bc	6.0 c	6.3 ef	4.7 bcd	6.3 de	6.0 ef	6.0 de	5.9
10	Univ. Arkansas	<i>R10-130 RY</i>	6.0 cd	6.0 bc	6.0 c	6.0 fg	5.0 abc	6.0 e	6.3 def	6.0 de	5.9
9	Univ. Arkansas	<i>R10-197 RY</i>	5.7 d	6.0 bc	6.0 c	6.0 fg	4.3 cd	6.0 e	6.3 def	6.0 de	5.8
11	Univ. Arkansas	<i>R10-428 RY</i>	6.0 cd	6.0 bc	6.0 c	6.0 fg	4.7 bcd	6.3 de	6.3 def	6.0 de	5.9
R²			0.5322	0.6207	0.7546	0.81	0.5959	0.7141	0.7854	0.7574	
CV			5.35	4.52	4.44	6.28	9.71	6.47	7.04	4.07	
p-value			0.0003	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
LSD			0.52	0.44	0.45	0.66	0.74	0.69	0.78	0.4	
St. Dev.			0.38	0.35	0.45	0.75	0.58	0.65	0.84	0.40	

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group V Early Frogeye leaf spot ratings

Entry #	Brand	Variety	Disease rating (0-9)								Avg.
			Brooksville	Clarksdale (irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay)	Stoneville (loam)	
40	Armor	50-R44	1.5 efghi	4.3 efg	2.0 hij	4.0 efg	2.3 efg	3.0 hijk	6.3 bcde	4.3 ef	3.5
50	Armor	51-R50	4.0 ab	0.7 k	0.3 mn	1.3 klm	2.0 fgh	0.0 p	2.7 gh	1.0 k	1.5
43	Armor	53-R16	2.5 cdef	3.3 h	3.0 efg	2.3 ij	2.7 def	2.3 jkl	5.3 ef	4.7 def	3.3
39	Armor	AX 4500	2.3 cdef	5.3 cd	2.0 hij	3.3 gh	2.0 fgh	4.3 defg	6.3 bcde	5.0 cde	3.8
41	Armor	AX 4520	0.5 hij	0.7 k	1.0 klm	1.3 klm	1.0 ijk	0.0 p	1.7 h	1.3 jk	0.9
3	Asgrow	AG 5233	3.0 bcd	6.7 ab	3.7 de	6.0 bc	4.0 ab	5.3 bcd	6.7 abcd	6.7 b	5.3
4	Asgrow	AG 5332	3.0 bcd	6.0 bc	1.7 ijk	5.3 cd	2.7 def	5.0 bcde	6.3 bcde	5.7 c	4.5
26	Asgrow	AG 5533	1.0 ghij	1.7 ij	1.3 jkl	1.3 klm	0.3 k	0.3 op	5.0 f	2.3 ghi	1.7
6	Asgrow	AG 5535	0.7 hij	0.7 k	0.3 mn	1.0 lmn	1.0 ijk	0.0 p	2.3 ghi	1.3 jk	0.9
5	Asgrow	AG5335	2.5 cdef	6.7 ab	7.3 a	6.0 bc	3.3 bcd	6.0 ab	6.7 abcd	6.7 b	5.6
51	Croplan	R2C 5081	0.3 ij	1.0 jk	1.0 klm	1.7 jkl	0.7 jk	0.7 nop	2.0 ghi	1.3 jk	1.1
12	Delta Grow	DG 5230 RR2	0.5 hij	0.3 k	0.7 lmn	0.3 n	1.0 ijk	0.0 p	2.0 ghi	1.7 ijk	0.8
1	Delta Grow	DG 5475 RR2	2.0 defg	5.0 de	3.7 de	4.3 ef	2.0 fgh	4.3 defg	6.3 bcde	5.3 cd	4.1
2	Delta Grow	DG 5480 RR2	1.0 ghij	2.3 i	2.0 hij	3.7 fgh	1.0 ijk	1.3 lmno	5.0 f	3.0 g	2.4
44	Delta Grow	DG 5556 RR	1.7 efgh	0.3 k	2.7 fgh	1.0 lmn	1.0 ijk	0.3 op	2.7 gh	1.0 k	1.3
13	Delta Grow	DG 5575 RR2	1.3 fghi	0.3 k	0.0 n	1.0 lmn	1.3 hij	0.3 op	5.0 f	1.3 jk	1.3
34	Dyna-Gro	32RY55	0.3 ij	0.7 k	1.7 ijk	1.0 lmn	1.3 hij	0.3 op	2.3 ghi	1.0 k	1.1
29	Dyna-Gro	S52RY75	0.7 hij	0.3 k	0.7 lmn	0.7 mn	0.7 jk	0.0 p	2.0 ghi	1.0 k	0.8
30	Dyna-Gro	S54RY43	2.3 cdef	4.7 def	3.7 de	3.7 fgh	3.0 cde	3.7 fghi	7.0 abc	5.7 c	4.2
31	Dyna-Gro	S56RY84	0.7 hij	2.0 i	1.0 klm	1.7 jkl	0.7 jk	1.7 lmn	5.3 ef	1.3 jk	1.8
19	Great Heart Seed	GT 500 CR2S		7.3 a	2.0 hij	6.3 ab	3.7 bc	3.5 fghij	7.3 ab	7.0 ab	5.3
20	Great Heart Seed	GT 516 CR2	1.0 ghij	5.0 de	1.0 klm	3.7 fgh	1.7 ghi	4.0 efgh	6.3 bcde	5.3 cd	3.5
27	Hornbeck	HBK RY 5221	0.0 j	0.3 k	0.0 n	2.0 jk	0.3 k	0.0 p	1.7 h	1.3 jk	0.7
28	Hornbeck	HBK RY 5421	0.3 ij	0.7 k	0.7 lmn	0.7 mn	0.3 k	0.3 op	2.0 ghi	1.3 jk	0.8
16	Morsoy Extra	51x31	1.3 fghi	0.7 k	0.7 lmn	1.0 lmn	1.0 ijk	0.0 p	2.3 ghi	1.0 k	1.0
17	Morsoy Extra	53x82	2.3 cdef	5.0 de	5.5 b	3.0 hi	2.7 def	2.5 ijkl	6.3 bcde	5.0 cde	4.0
18	Morsoy Extra	54x41	0.0 j	1.0 jk	2.7 fgh	1.0 lmn	0.7 jk	0.3 op	2.0 ghi	1.0 k	1.1
21	Morsoy Extra	56x02	2.0 defg	4.3 efg	2.0 hij	4.7 de	2.0 fgh	3.3 ghij	5.7 def	5.3 cd	3.7
14	MPG	5214 NRR	2.7 cde	4.0 fgh	4.7 bc	4.0 efg	2.0 fgh	5.0 bcde	6.3 bcde	5.0 cde	4.2
15	MPG	5314 NRR	4.0 ab	7.3 a	3.5 def	6.7 ab	4.7 a	7.0 a	7.0 abc	7.7 a	6.0
32	Mycogen	5N540R2	3.3 abc	5.0 de	3.0 efg	4.3 ef	2.7 def	4.0 efgh	6.0 cdef	5.3 cd	4.2

Maturity Group V Early Frogeye leaf spot ratings

Entry #	Brand	Variety	Disease rating (0-9)								Avg.
			Brooksville	Clarksdale (irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay)	Stoneville (loam)	
33	Mycogen	5N550R2	0.7 hij	2.0 i	0.7 lmn	1.0 lmn	0.3 k	1.3 lmno	5.0 f	2.0 ijk	1.6
42	Mycogen	<i>MYCX54522NR2</i>	1.0 ghij	0.7 k	0.3 mn	1.0 lmn	1.3 hij	0.0 p	1.5 i	1.0 k	0.9
46	NK	S51-C5	1.3 fghi	3.7 gh	2.3 ghi	1.5 kl	1.7 ghi	0.3 op	5.0 f	3.0 g	2.4
45	NK	S52-Y2	4.0 ab	6.7 ab	4.3 cd	4.3 ef	3.3 bcd	4.7 cdef	6.0 cdef	6.7 b	5.0
47	NK	S55-Q3	0.3 ij	0.7 k	1.0 klm	1.3 klm	1.0 ijk	0.3 op	2.0 ghi	1.0 k	1.0
35	Progeny	P 5213 RY	1.5 efghi	5.3 cd	2.0 hij	3.0 hi	2.3 efg	3.0 hijk	5.3 ef	4.7 def	3.4
36	Progeny	P 5333 RY	1.5 efghi	5.0 de	2.3 ghi	3.7 fgh	2.3 efg	4.0 efgh	6.7 abcd	5.0 cde	3.8
37	Progeny	P 5555 RY	0.0 j	2.0 i	0.7 lmn	1.0 lmn	0.7 jk	1.0 mnop	5.0 f	1.7 ijk	1.5
38	Progeny	P 5610 RY	0.7 hij	0.3 k	1.7 ijk	1.0 lmn	1.0 ijk	0.0 p	2.3 ghi	1.0 k	1.0
22	REV®	51R53™	2.0 defg	7.3 a	2.7 fgh	7.0 a	3.7 bc	5.7 bc	7.7 a	7.0 ab	5.4
48	REV®	52R74™	2.0 defg	3.3 h	1.0 klm	3.3 gh	1.3 hij	0.7 nop	5.0 f	3.0 g	2.5
49	REV®	52RA94™	0.5 hij	0.7 k	0.7 lmn	1.3 klm	1.0 ijk	0.0 p	1.3 i	1.7 ijk	0.9
24	REV®	54R84™	2.3 cdef	4.7 def	2.5 ghi	4.3 ef	1.3 hij	5.0 bcde	6.0 cdef	5.3 cd	3.9
25	REV®	55R53™	4.5 a	6.0 bc	3.0 efg	3.5 gh	2.0 fgh	6.0 ab	7.0 abc	5.0 cde	4.6
23	REV®	56R63™	0.7 hij	1.0 jk	1.0 klm	1.0 lmn	0.3 k	0.3 op	2.7 gh	1.0 k	1.0
7	Univ. Arkansas	<i>R04-1250 RR</i>	1.0 ghij	0.7 k	1.0 klm	1.3 klm	0.3 k	0.0 p	2.0 ghi	1.3 jk	1.0
8	Univ. Arkansas	<i>R04-1268 RR</i>	4.0 ab	4.5 defg	1.0 klm	2.3 ij	1.7 ghi	2.5 ijkl	7.0 abc	2.7 gh	3.2
10	Univ. Arkansas	<i>R10-130 RY</i>	0.3 ij	1.0 jk	0.7 lmn	1.0 lmn	1.0 ijk	0.7 nop	3.0 g	1.0 k	1.1
9	Univ. Arkansas	<i>R10-197 RY</i>	2.0 defg	2.3 i	1.0 klm	1.7 jkl	1.5 hi	1.3 lmno	5.7 def	4.0 f	2.4
11	Univ. Arkansas	<i>R10-428 RY</i>	4.0 ab	3.7 gh	1.0 klm	3.3 gh	1.3 hij	2.0 klm	5.0 f	4.3 ef	3.1
R²			0.8263	0.9603	0.9136	0.9621	0.8815	0.9312	0.9341	0.9721	
CV			46.38	19.62	30.34	16.77	29.49	34.85	14.34	13.50	
p-value			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	
LSD			1.33	0.97	0.95	0.73	0.81	1.21	1.07	0.73	
St. Dev.			1.32	2.40	1.54	1.85	1.14	2.19	2.07	2.18	

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group V Early Septoria brown spot ratings

Entry #	Brand	Variety	Disease rating (0-9)		Avg.
			Falkner	Stoneville (loam)	
40	Armor	50-R44	7.7 ab	6.3 ab	7.0
50	Armor	51-R50	7.3 abc	5.7 abcd	6.5
43	Armor	53-R16	7.0 bcd	5.3 bcde	6.2
39	Armor	AX 4500	8.0 a	5.0 cdef	6.5
41	Armor	AX 4520	7.7 ab	6.3 ab	7.0
3	Asgrow	AG 5233	7.3 abc	6.3 ab	6.8
4	Asgrow	AG 5332	7.7 ab	4.7 def	6.2
26	Asgrow	AG 5533	7.0 bcd	4.7 def	5.8
6	Asgrow	AG 5535	6.0 ef	4.0 f	5.0
5	Asgrow	AG5335	6.7 cde	4.0 f	5.3
51	Croplan	R2C 5081	7.7 ab	6.0 abc	6.8
12	Delta Grow	DG 5230 RR2	7.7 ab	6.3 ab	7.0
1	Delta Grow	DG 5475 RR2	7.0 bcd	4.3 ef	5.7
2	Delta Grow	DG 5480 RR2	6.7 cde	6.0 abc	6.3
44	Delta Grow	DG 5556 RR	5.7 ff	4.0 f	4.8
13	Delta Grow	DG 5575 RR2	7.3 abc	4.0 f	5.7
34	Dyna-Gro	32RY55	6.3 def	5.3 bcde	5.8
29	Dyna-Gro	S52RY75	7.7 ab	6.0 abc	6.8
30	Dyna-Gro	S54RY43	7.0 bcd	4.0 f	5.5
31	Dyna-Gro	S56RY84	6.7 cde	4.7 def	5.7
19	Great Heart Seed	GT 500 CR2S	8.0 a	6.0 abc	7.0
20	Great Heart Seed	GT 516 CR2	8.0 a	4.5 def	6.3
27	Hornbeck	HBK RY 5221	7.0 bcd	5.7 abcd	6.3
28	Hornbeck	HBK RY 5421	6.3 def	4.7 def	5.5
16	Morsoy Extra	51x31	7.3 abc	6.3 ab	6.8
17	Morsoy Extra	53x82	6.3 def	4.0 f	5.2
18	Morsoy Extra	54x41	6.3 def	4.7 def	5.5
21	Morsoy Extra	56x02	5.7 f	4.0 f	4.8
14	MPG	5214 NRR	6.7 cde	4.0 f	5.3
15	MPG	5314 NRR	7.0 bcd	5.3 bcde	6.2
32	Mycogen	5N540R2	6.3 def	4.3 ef	5.3
33	Mycogen	5N550R2	7.7 ab	4.0 f	5.8
42	Mycogen	MYCX54522NF	7.3 abc	6.7 a	7.0
46	NK	S51-C5	6.7 cde	5.3 bcde	6.0
45	NK	S52-Y2	7.3 abc	5.0 cdef	6.2
47	NK	S55-Q3	6.7 cde	5.3 bcde	6.0
35	Progeny	P 5213 RY	7.7 ab	5.3 bcde	6.5
36	Progeny	P 5333 RY	7.3 abc	5.3 bcde	6.3
37	Progeny	P 5555 RY	7.0 bcd	4.3 ef	5.7
38	Progeny	P 5610 RY	6.0 ef	5.3 bcde	5.7
22	REV®	51R53™	7.7 ab	5.3 bcde	6.5
48	REV®	52R74™	8.0 a	6.3 ab	7.2
49	REV®	52RA94™	8.0 a	6.7 a	7.3
24	REV®	54R84™	6.3 def	4.3 ef	5.3
25	REV®	55R53™	7.3 abc	5.0 cdef	6.2

Maturity Group V Early Septoria brown spot ratings

Entry #	Brand	Variety	Disease rating (0-9)		Avg.
			Falkner	Stoneville (loam)	
23	REV®	56R63™	6.7 cde	5.0 cdef	5.8
7	Univ. Arkansas	<i>R04-1250 RR</i>	5.7 f	4.3 ef	5.0
8	Univ. Arkansas	<i>R04-1268 RR</i>	7.3 abc	5.7 abcd	6.5
10	Univ. Arkansas	<i>R10-130 RY</i>	7.0 bcd	5.3 bcde	6.2
9	Univ. Arkansas	<i>R10-197 RY</i>	6.3 def	4.3 ef	5.3
11	Univ. Arkansas	<i>R10-428 RY</i>	6.0 ef	5.0 cdef	5.5
<i>R</i> ²			0.6437	0.6529	
CV			8.41	14.7	
<i>p</i> -value			<0.0001	<0.0001	
LSD			0.96	1.22	
St. Dev.			0.84	1.03	

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group V Late Cercospora leaf blight ratings

Entry #	Brand	Variety	Disease rating (0-9)								Avg.
			Brooksville	Clarksdale (irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay)	Stoneville (loam)	
4	Asgrow	AG 5831	5.7	6.0	6.0	6.0	4.3	6.0	6.0	6.0	5.8
2	Asgrow	AG 5935	6.0	6.0	6.0	6.0	4.0	6.0	6.0	6.0	5.8
5	Dyna-Gro	39RY57	6.0	6.0	6.0	6.0	4.0	6.0	6.0	6.0	5.8
3	REV®	57R21™	6.0	6.0	6.0	6.0	4.0	6.3	6.0	6.0	5.8
1	Univ. Arkansas	<i>R07-6614RR</i>	6.0	6.0	6.0	6.0	4.0	6.0	6.0	6.0	5.8
<i>R²</i>			0.4286	.	.	.	0.4286	0.4286	.	.	
<i>CV</i>			4.35	.	.	.	6.35	4.26	.	.	
<i>p-value</i>			0.4609	.	.	.	0.4609	0.4609	.	.	
<i>LSD</i>			0.49	.	.	.	0.49	0.49	.	.	
<i>St. Dev.</i>			0.26	.	.	.	0.26	0.26	.	.	

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group V Late Frogeye leaf spot ratings

Entry #	Brand	Variety	Disease rating (0-9)								Avg.
			Brooksville	Clarksdale (irr)	Falkner	Longwood	Olive Branch	Raymond	Stoneville (clay)	Stoneville (loam)	
4	Asgrow	AG 5831	0.7 bc	2.0 c	1.0 c	2.7 a	1.3 b	2.3 a	4.3 b	2.3 bc	2.1
2	Asgrow	AG 5935	2.3 a	4.3 a	1.0 c	3.0 a	3.0 a	2.0 a	6.0 a	4.0 a	3.2
5	Dyna-Gro	39RY57	2.5 a	3.0 b	2.0 b	3.0 a	1.3 b	1.7 a	5.0 b	3.3 ab	2.7
3	REV®	57R21™	0.0 c	0.7 d	0.3 d	1.0 b	0.3 c	0.0 b	2.3 c	1.0 d	0.7
1	Univ. Arkansas	<i>R07-6614RR</i>	1.0 b	0.0 e	2.7 a	1.0 b	1.0 b	1.7 a	3.0 c	2.0 cd	1.5
<i>R²</i>			0.9237	0.9754	0.9195	0.8644	0.9412	0.8409	0.9594	0.8784	
<i>CV</i>			34.60	17.08	24.39	24.21	22.59	31.50	9.27	21.62	
<i>p-value</i>			0.0018	<0.0001	0.0002	0.0017	<0.0001	0.0029	0.0001	0.0012	
<i>LSD</i>			0.88	0.64	0.64	0.97	0.59	0.91	0.79	1.03	
<i>St. Dev.</i>			1.05	1.65	0.91	1.06	0.99	0.92	1.42	1.19	

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental

Maturity Group V Late Septoria brown spot ratings

Entry #	Brand	Variety	Disease rating (0-9)		Avg.
			Falkner	Stoneville (loam)	
4	Asgrow	AG 5831	7.3 a	5.3	6.3
2	Asgrow	AG 5935	6.0 b	5.0	5.5
5	Dyna-Gro	39RY57	6.0 b	5.3	5.7
3	REV®	57R21™	6.3 b	5.0	5.7
1	Univ. Arkansas	<i>R07-6614RR</i>	6.0 b	4.7	5.3
			<i>R</i> ²	0.775	0.3636
			CV	6.1	9.53
			<i>p</i> -value	0.0116	0.4609
			LSD	2.31	0.91
			St. Dev.	0.62	0.46

Ratings were conducted on a scale of 0-9 where 0=no disease and 9=severe disease symptoms

Note: varieties listed in yellow and italics are experimental