

2013 Mississippi Soybean Variety Trial Disease Ratings

The ratings in the below tables were made by Dr. Tom Allen, Extension Plant Pathologist at Miss. State University's Delta Research and Extension Center. The ratings were taken from the Mississippi Soybean Variety Trial plots that were located throughout the state.

The rating is each variety's reaction to a naturally occurring presence of the disease pathogen at each location; i.e., plants were not inoculated with the disease pathogen.

Thus, the ratings do not presume to indicate a variety's response to a known yield-reducing level of the pathogen., but rather are an indicator of each variety's reaction to the level of the pathogen present at each location in 2013.

Maturity Group IV early frogeye leaf spot ratings

			Disease rating (0-9)								
Entry	Brand	Variety	Falkner	Olive Branch	Raymond	Stoneville (loam)	Clarksdale (irr)	Brooksville	Stoneville (clay)	Longwood	Avg.
14	AgBorn	ABX 27041	7.7 bcd	2.3 efg	0.3 fg	2.7 defg	5.3 cde	3.0 c	3.7 efgh	3.0 efg	3.5
15	AgBorn	ABX 2164	8.0 abc	3.7 bc	0.3 fg	5.0 abc	6.0 bc	2.0 ef	5.0 abcd	6.0 abc	4.5
36	AGS	43R212	7.3 cde	1.7 ghi	1.5 g	3.0 def	5.0 def	2.5 d	4.3 cdef	1.0 ijk	3.3
37	AGS	45R212	0.0 g	0.0 l	0.3 fg	0.3 i	0.3 o	1.3 gh	1.0 l	1.0 ijk	0.5
20	Armor	44-R08	7.0 de	2.5 ef	1.0 cdefg	1.7 fghi	3.0 ij	1.0 h	2.3 ijk	.	2.6
24	Armor	X1401	8.0 abc	3.0 cde	0.0 g	3.7 cd	5.3 cde	2.7 cd	3.7 efgh	3.0 efg	3.7
25	Armor	X1404	7.0 de	1.0 ijk	1.3 cdef	0.7 hi	5.0 def	2.0 ef	3.0 ghi	2.7 efgh	2.8
29	Armor	X1406	7.7 bcd	2.3 efg	0.0 g	3.0 def	5.3 cde	2.0 ef	4.3 cdef	2.7 efgh	3.4
10	Asgrow	AG 4433	8.0 abc	3.0 cde	0.7 defg	6.0 a	6.0 bc	2.0 ef	5.3 abc	5.0 cd	4.5
11	Asgrow	AG 4632	0.3 g	1.3 hij	0.3 fg	1.3 ghi	1.0 mno	0.0 i	1.0 l	0.7 jk	0.8
16	Asgrow	AG 4531	8.0 abc	3.7 bc	1.7 abcd	5.0 abc	7.0 a	3.0 c	5.7 ab	7.0 a	5.1
21	Asgrow	AG 4232	8.3 ab	2.3 efg	0.0 g	3.3 de	5.7 cd	1.3 gh	3.3 fghi	3.5 ef	3.5
22	Asgrow	AG 4533	0.0 g	0.3 kl	0.5 efg	1.7 fghi	1.3 lmn	1.0 h	1.7 jkl	1.0 ijk	0.9
23	Asgrow	AG 4633	8.0 abc	3.3 cd	0.0 g	4.0 bcd	5.3 cde	2.0 ef	4.7 bcde	2.0 ghij	3.7
39	Croplan	R2G 4541	0.0 g	0.7 jkl	0.0 g	1.7 fghi	1.0 mno	1.7 fg	1.0 l	0.7 jk	0.8
1	Delta Grow	DG 4670RR2	0.0 g	0.0 l	0.0 g	1.7 fghi	2.0 kl	1.0 h	2.3 ijk	1.3 hijk	1.0
17	Dyna-Gro	39RY43	7.0 de	1.5 hi	0.0 g	1.0 hi	3.3 hi	0.3 i	2.3 ijk	1.0 ijk	2.1
18	Dyna-Gro	S44RS93	0.0 g	0.7 jkl	0.3 fg	0.3 i	2.3 jk	1.0 h	1.7 jkl	1.5 hijk	1.0
19	Dyna-Gro	31RY45	0.0 g	0.7 jkl	0.0 g	1.0 hi	1.3 lmn	1.0 h	2.3 ijk	1.0 ijk	0.9
38	HBK	RY4620	7.7 bcd	5.0 a	1.7 abcd	6.5 a	7.0 a	2.0 ef	6.0 a	6.7 ab	5.3
7	Morsoy	EXP44	8.3 ab	2.3 efg	2.0 abc	2.0 efgh	5.7 cd	2.0 ef	4.3 cdef	5.5 bc	4.0
8	Morsoy	44X82	8.0 abc	2.0 fgh	0.0 g	3.3 de	5.3 cde	1.0 h	3.7 efgh	2.3 fghi	3.2
9	Morsoy	46X29	8.3 ab	3.3 cd	1.5 bcde	5.7 a	6.7 ab	4.7 a	6.0 a	7.3 a	5.4
12	MPG	MPG 4514 NS	8.0 abc	2.3 efg	0.3 fg	3.7 cd	5.3 cde	3.7 b	4.0 defg	6.0 abc	4.2
26	Mycogen	5N423R2	7.0 de	1.7 ghi	0.0 g	4.0 bcd	4.3 fg	2.0 ef	3.7 efgh	.	3.2
27	Mycogen	5N431R2	6.5 e	2.0 fgh	0.0 g	1.0 hi	3.0 ij	0.0 i	3.0 ghi	2.0 ghij	2.2
28	Mycogen	5N451R2	0.0 g	0.5 kl	0.0 g	0.3 i	1.0 mno	1.3 gh	1.3 kl	0.7 jk	0.6
2	NK	S44-D5	7.3 cde	2.7 def	0.0 g	5.7 a	5.7 cd	2.0 ef	5.0 abcd	5.3 bcd	4.2
3	NK	S46-L2	8.0 abc	4.3 ab	2.5 a	5.3 ab	6.7 ab	2.0 ef	6.0 a	6.0 abc	5.1
4	NK	S46-G9	4.0 f	2.0 fgh	1.0 cdefg	2.0 efgh	4.0 gh	1.0 h	2.7 hij	2.5 fgh	2.4
5	Pioneer	P46T21R	0.0 g	0.0 l	0.0 g	1.3 ghi	1.7 klm	1.0 h	1.3 kl	1.0 ijk	0.8
30	Progeny	P4211RY	7.0 de	1.7 ghi	0.0 g	2.0 efgh	3.0 ij	1.0 h	1.7 jkl	.	2.3

Maturity Group IV early frogeye leaf spot ratings

			Disease rating (0-9)								
Entry	Brand	Variety	Falkner	Olive Branch	Raymond	Stoneville (loam)	Clarksdale (irr)	Brooksville	Stoneville (clay)	Longwood	Avg.
31	Progeny	P4313RY	8.7 a	2.3 efg	0.0 g	3.0 def	5.0 def	2.0 ef	4.3 cdef	4.0 de	3.7
32	Progeny	P4510RY	8.3 ab	3.0 cde	2.7 a	6.0 a	6.7 ab	2.0 ef	6.0 a	6.7 ab	5.2
33	Progeny	P4613RY	7.3 cde	1.0 ijk	0.0 g	0.7 hi	4.3 fg	3.0 c	3.0 ghi	2.7 efg	2.8
35	Schillinger	458.RCS	7.3 cde	1.0 ijk	0.3 fg	1.7 fghi	3.3 hi	2.3 de	2.3 ijk	1.3 hijk	2.5
34	Steyer	4301R2	7.7 bcd	2.0 fgh	0.0 g	4.0 bcd	4.7 efg	3.0 c	3.3 fghi	1.5 hijk	3.3
6	Terral Rev	46R64TM	8.0 abc	2.7 def	0.7 defg	4.0 bcd	5.0 def	2.0 ef	4.7 bcde	3.3 efg	3.8
13	Terral Rev	46R73TM	0.0 g	0.0 l	0.3 fg	1.7 fghi	0.7 no	0.0 i	0.7 l	0.5 k	0.5
40	USG	74F53R	.	.	.	.	.	.	.	.	.
<i>R</i> ²			0.9847	0.9044	0.7160	0.8461	0.9509	0.953	0.9	0.9476	
<i>CV</i>			9.09	25.66	122.30	34.66	13.53	16.29	19.6	21.71	
<i>p</i> -value			< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	
<i>LSD</i>			0.87	0.83	1.03	1.63	0.92	0.49	1.1	1.33	
<i>St. Dev</i>			3.38	1.27	0.92	1.97	2.03272	1.04211	1.7	2.2875	

Maturity Group IV early Cercospora blight ratings

Entry	Brand	Variety	Disease rating (0-9)								Avg.
			Falkner	Olive Branch	Raymond	Stoneville (loam)	Clarksdale irr	Brooksville	Stoneville (clay)	Longwood	
14	AgBorn	ABX 27041	6.7 cd	4.7 ab	6.0 bcd	6.7 cde	4.3 de	7.0 bcd	6.0 ef	6.7 cde	6.0
15	AgBorn	ABX 2164	6.7 cd	4.0 b	6.3 abcd	7.3 abc	4.0 e	6.7 cde	5.7 fg	6.5 de	5.9
36	AGS	43R212	7.7 ab	4.0 b	6.7 abc	7.3 abc	5.0 bcd	6.7 cde	7.7 ab	6.3 de	6.4
37	AGS	45R212	7.7 ab	4.3 ab	6.7 abc	7.0 bcd	4.0 e	7.0 bcd	8.0 a	7.3 abc	6.5
20	Armor	44-R08	7.0 bcd	5.0 a	6.0 bcd	6.3 de	5.0 bcd	7.0 bcd	6.7 cde	6.7 cde	6.2
24	Armor	X1401	6.7 cd	4.7 ab	7.0 ab	6.0 e	4.3 de	6.3 de	7.0 bcd	6.0 e	6.0
25	Armor	X1404	7.7 ab	4.3 ab	5.3 cde	8.0 a	4.0 e	7.0 bcd	7.7 ab	7.0 bcd	6.4
29	Armor	X1406	7.0 bcd	4.0 b	6.0 bcd	6.0 e	4.0 e	6.0 e	6.0 ef	6.0 e	5.6
10	Asgrow	AG 4433	7.0 bcd	5.0 a	6.7 abc	7.0 bcd	4.3 de	6.3 de	6.7 cde	6.0 e	6.1
11	Asgrow	AG 4632	8.0 a	4.3 ab	7.0 ab	8.0 a	4.5 de	7.0 bcd	7.7 ab	7.0 bcd	6.7
16	Asgrow	AG 4531	7.3 abc	4.3 ab	4.0 e	7.0 bcd	4.3 de	7.0 bcd	5.0 g	6.0 e	5.6
21	Asgrow	AG 4232	6.7 cd	5.0 a	6.7 abc	6.3 de	5.3 abc	6.3 de	7.0 bcd	6.0 e	6.2
22	Asgrow	AG 4533	8.0 a	5.0 a	6.5 abc	8.0 a	5.5 ab	7.7 ab	8.0 a	7.7 ab	7.0
23	Asgrow	AG 4633	7.0 bcd	4.0 b	7.0 ab	6.0 e	4.0 e	6.7 cde	6.7 cde	6.3 de	6.0
39	Croplan	R2G 4541	8.0 a	4.0 b	6.3 abcd	7.7 ab	4.3 de	7.7 ab	7.7 ab	8.0 a	6.7
1	Delta Grow	DG 4670RR2	8.0 a	4.7 ab	6.7 abc	8.0 a	4.3 de	7.7 ab	7.3 abc	8.0 a	6.8
17	Dyna-Gro	39RY43	7.7 ab	5.0 a	6.7 abc	6.7 cde	5.3 abc	6.7 cde	6.3 def	6.3 de	6.3
18	Dyna-Gro	S44RS93	8.0 a	4.7 ab	6.7 abc	7.7 ab	5.0 bcd	7.3 abc	8.0 a	7.7 ab	6.9
19	Dyna-Gro	31RY45	8.0 a	5.0 a	6.3 abcd	8.0 a	5.0 bcd	7.7 ab	7.7 ab	7.7 ab	6.9
38	HBK	RY4620	7.7 ab	4.3 ab	6.0 bcd	7.0 bcd	4.0 e	7.0 bcd	6.7 cde	6.3 de	6.1
7	Morsoy	EXP44	6.7 cd	4.7 ab	6.0 bcd	7.0 bcd	4.7 cde	7.0 bcd	6.3 def	6.0 e	6.0
8	Morsoy	44X82	7.0 bcd	5.0 a	6.7 abc	8.0 a	4.7 cde	7.3 abc	8.0 a	7.3 abc	6.8
9	Morsoy	46X29	7.7 ab	4.3 ab	6.0 bcd	6.7 cde	4.0 e	6.0 e	6.3 def	6.3 de	5.9
12	MPG	MPG 4514 NS	7.3 abc	4.7 ab	6.3 abcd	6.0 e	4.0 e	6.0 e	5.7 fg	6.0 e	5.8
26	Mycogen	5N423R2	8.0 a	5.0 a	7.0 ab	7.7 ab	6.0 a	7.0 bcd	8.0 a	7.0 bcd	7.0
27	Mycogen	5N431R2	7.0 bcd	5.0 a	7.0 ab	6.7 cde	4.7 cde	7.0 bcd	7.3 abc	6.3 de	6.4
28	Mycogen	5N451R2	8.0 a	4.0 b	6.0 bcd	8.0 a	4.3 de	7.3 abc	8.0 a	8.0 a	6.7
2	NK	S44-D5	7.7 ab	4.7 ab	6.3 abcd	6.7 cde	4.7 cde	6.7 cde	7.7 ab	7.3 abc	6.5
3	NK	S46-L2	8.0 a	4.7 ab	6.7 abc	7.3 abc	6.0	7.0 bcd	8.0 a	7.3 abc	6.9
4	NK	S46-G9	7.0 bcd	4.3 ab	5.0 de	7.5 ab	4.3 de	8.0 a	7.7 ab	7.7 ab	6.4
5	Pioneer	P46T21R	8.0 a	4.7 ab	6.7 abc	8.0 a	4.7 cde	7.3 abc	8.0 a	8.0 a	6.9
30	Progeny	P4211RY	7.3 abc	5.0 a	7.0 ab	6.3 de	5.3 abc	6.7 cde	7.3 abc	6.7 cde	6.5

Maturity Group IV early Cercospora blight ratings

Entry	Brand	Variety	Disease rating (0-9)								Avg.
			Falkner	Olive Branch	Raymond	Stoneville (loam)	Clarksdale irr	Brooksville	Stoneville (clay)	Longwood	
31	Progeny	P4313RY	6.3 d	4.7 ab	7.0 ab	6.7 cde	4.7 cde	6.7 cde	6.7 cde	6.0 e	6.1
32	Progeny	P4510RY	7.3 abc	4.3 ab	6.3 abcd	7.0 bcd	4.0 e	7.0 bcd	6.0 ef	6.3 de	6.0
33	Progeny	P4613RY	7.3 abc	4.7 ab	6.3 abcd	8.0 a	4.3 de	7.0 bcd	8.0 a	7.7 ab	6.7
6	Terral Rev	46R64TM	7.3 abc	4.7 ab	7.0 ab	8.0 a	4.7 cde	7.7 ab	8.0 a	8.0 a	6.9
13	Terral Rev	46R73TM	7.3 abc	5.0 a	7.7 a	6.3 de	4.0 e	7.0 bcd	6.0 ef	6.0 e	6.2
35	Schillinger	458.RCS	7.5 ab	4.7 ab	6.7 abc	8.0 a	4.3 de	7.0 bcd	8.0 a	7.7 ab	6.7
34	Steyer	4301R2	7.3 abc	5.0 a	6.7 abc	7.7 ab	5.7 ab	7.3 abc	8.0 a	7.3 abc	6.9
40	USG	74F53R	.	.	.	.	.	.	.	.	.
<i>R</i> ²			0.6295	0.5248	0.5297	0.8183	0.6887	0.6685	0.8470	0.8417	
CV			6.37	9.09	13.37	5.74	10.79	6.0	6.3	5.84	
<i>p</i> -value			< 0.0001	0.0060	0.0316	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	
LSD			2.82	2.82	1.41	0.67	0.83	0.7	0.7	0.67	
St. Dev			0.62	0.69	0.69	0.78	0.70251	0.6	0.9	0.81326	

Maturity Group IV late frogeye leaf spot ratings

Entry	Brand	Variety	Disease rating (0-9)								Avg.
			Falkner	Olive Branch	Raymond	Stoneville (loam)	Clarksdale (irr)	Brooksville	Stoneville (clay)	Longwood	
19	AgBorn	ABX 2499	8.0 ab	2.5 bcd	1.3 def	5.0 ab	6.0 bcd	3.5 ccd	4.3 bcde	3.7 defg	4.3
50	AGS	47R212	0.0 g	0.3 ij	0.0 f	0.7	1.0 op	1.0 j	1.0 ijk	0.7 k	0.6
29	Armor	49-R56	6.7 ef	2.0 de	0.0 f	3.0 cdef	5.3 def	2.5 efg	3.0 fgh	4.0 cdef	3.3
33	Armor	4744	7.7 bc	3.0 ab	4.0 ab	5.0 ab	7.0 a	4.0 c	5.7 a	6.5 a	5.4
34	Armor	X1307	7.3 cd	1.0 gh	0.3 f	1.7 fghij	4.0 hij	2.0 gh	3.3 efg	3.0 efghi	2.8
37	Armor	X1408	8.0 ab	2.0 de	0.7 f	5.0 ab	6.3 abc	2.0 gh	5.3 ab	6.0 ab	4.4
15	Asgrow	AG4832	7.7 bc	2.0 de	0.0 f	3.3 bcde	6.0 bcd	4.0 c	4.3 bcde	3.0 efghi	3.8
16	Asgrow	AG4933	7.3 cd	1.0 gh	3.0 bc	4.0 bcd	5.0 efg	1.0 j	4.7 abcd	4.0 cdef	3.8
17	Asgrow	AG4934	8.0 ab	3.0 ab	4.5 a	4.0 bcd	6.0 bcd	3.0 de	5.7 a	4.7 bcde	4.9
53	Croplan	R2C 4752S	8.0 ab	1.0 gh	0.7 f	2.0 efghi	3.3 jkl	3.0 de	3.7 defg	2.0 ghijk	3.0
54	Croplan	R2T 4799S	7.5 bcd	3.3 a	3.7 abc	4.0 bcd	6.7 ab	5.0 b	5.7 a	5.3 abcd	5.1
1	Delta Grow	DG 4755RR2	7.0 de	1.3 fg	0.7 f	4.0 bcd	4.7 fgh	2.0 gh	4.0 cdef	2.0 ghijk	3.2
2	Delta Grow	DG 4765RR2/STS	7.3 cd	1.0 gh	0.3 f	1.7 fghij	3.7 ijk	1.0 j	2.7 gh	2.0 ghijk	2.5
3	Delta Grow	DG 4825RR2/STS	8.0 ab	2.7 bc	3.0 bc	5.5 a	5.7 cde	3.3 d	5.3 ab	6.5 a	5.0
4	Delta Grow	DG 4925RR2	8.0 ab	2.0 de	3.5 abc	4.7 abc	5.0 efg	3.0 de	4.7 abcd	4.0 cdef	4.4
5	Delta Grow	DG 4970RR	0.0 g	0.0 j	0.0 f	0.3 j	0.7 p	1.0 j	0.7 jk	1.0 jk	0.5
18	Delta Grow	DG 4880RR	0.0 g	0.3 ij	0.0 f	1.3 ghij	1.0 op	1.0 j	2.0 hi	0.7 k	0.8
45	Delta Grow	DG 4940RR	8.0 ab	0.7 hi	1.3 def	3.0 cdef	4.5 fghi	2.7 ef	3.3 efg	3.0 efghi	3.3
30	Dyna-Gro	37RY47	8.3 a	3.3 a	3.0 bc	3.3 bcde	6.7 ab	2.3 fg	5.3 ab	6.0 ab	4.8
31	Dyna-Gro	S47RY13	7.7 bc	2.0 de	0.0 f	3.0 cdef	4.3 ghi	5.5 ab	3.7 defg	3.3 efgh	3.7
32	Dyna-Gro	S48RS53	7.0 de	1.0 gh	0.0 f	1.3 ghij	3.3 jkl	2.0 gh	3.0 fgh	2.3 fghijk	2.5
35	Great Heart Seed	GX4798R2	7.7 bc	2.7 bc	1.3 def	5.0 ab	6.3 abc	5.7 a	5.7 a	6.3 ab	5.1
36	Great Heart Seed	GT476R2	6.3 f	2.0 de	0.0 f	2.7 cdefg	5.0 efg	1.0 j	4.0 cdef	3.0 efghi	3.0
51	HBK	RY 4721	0.0 g	0.7 hi	0.3 f	1.0 hij	4.0 hij	1.0 j	0.7 jk	1.0 jk	1.1
12	Morsoy Xtra	47X12	7.0 de	0.7 hi	0.0 f	1.7 fghij	4.3 ghi	1.0 j	3.3 efg	2.0 ghijk	2.5
13	Morsoy Xtra	48X02	7.3 cd	1.5 efg	0.7 f	1.7 fghij	5.0 efg	2.0 gh	4.0 cdef	3.7 defg	3.2
14	Morsoy Xtra	49X14	8.0 ab	1.7 ef	0.0 f	5.0 ab	5.3 def	3.3 d	4.7 abcd	3.7 defg	4.0
20	MPG	MPG 4714	8.0 ab	2.3 cd	1.0 ef	3.3 bcde	5.3 def	3.0 de	4.7 abcd	4.0 cdef	4.0
38	Mycogen	5N478R2	0.0 g	1.3 fg	0.0 f	1.7 fghij	5.0 efg	1.0 j	3.0 fgh	1.0 jk	1.6
6	NK	S47-N3	7.7 bc	1.0 gh	0.7 f	2.7 cdefg	4.7 fgh	2.0 gh	3.3 efg	3.0 efghi	3.1
52	NK	S49-F8	0.0 g	0.0 j	0.0 f	1.0 hij	0.7 p	1.0 j	0.7 jk	1.0 jk	0.5
7	Pioneer	P47T36R	0.0 g	1.0 gh	0.3 f	1.0 hij	1.0 op	1.0 j	1.3 ij	1.3 ijk	0.9

Maturity Group IV late frogeye leaf spot ratings

Entry	Brand	Variety	Disease rating (0-9)								Avg.
			Falkner	Olive Branch	Raymond	Stoneville (loam)	Clarksdale (irr)	Brooksville	Stoneville (clay)	Longwood	
8	Pioneer	P49T80R	6.3 f	0.7 hi	0.3 f	3.0 cdef	2.7 lm	0.0 k	2.0 hi	1.0 jk	2.0
9	Pioneer	P49T97R	0.0 g	0.0 j	0.3 f	1.0 hij	2.0 mn	2.0 gh	1.0 ijk	1.0 jk	0.9
25	Pioneer	P48T53R	0.0 g	0.0 j	0.0 f	0.7	1.0 op	1.0 j	1.0 ijk	1.0 jk	0.6
39	Progeny	P4710RY	7.0 de	1.0 gh	0.0 f	1.3 ghij	3.0 kl	2.0 gh	2.7 gh	1.7 hijk	2.3
40	Progeny	P4747RY	6.7 ef	1.3 fg	2.5 cd	2.0 efghi	5.0 efg	2.7 ef	3.3 efg	3.7 defg	3.4
41	Progeny	P4850RY	7.3 cd	1.0 gh	1.0 ef	1.7 fghij	3.3 jkl	2.0 gh	4.3 bcde	4.0 cdef	3.1
42	Progeny	P4900RY	6.3 f	1.3 fg	0.0 f	2.3 defgh	5.7 cde	3.0 de	4.0 cdef	2.7 fghij	3.2
46	Schillinger	478.RCS	8.0 ab	1.7 ef	0.0 f	3.7 abcd	5.7 cde	2.0 gh	4.7 abcd	4.0 cdef	3.7
47	Schillinger	495.RC	0.0 g	0.3 ij	0.0 f	1.3 ghij	1.0 op	0.3 k	1.0 ijk	1.3 ijk	0.7
48	Schillinger	4990.RC	0.0 g	0.0 j	0.0 f	0.7	1.0 op	1.0 j	1.0 ijk	1.0 jk	0.6
49	Schillinger	4712R2	6.3 f	1.0 gh	0.0 f	2.0 efghi	5.0 efg	2.0 gh	3.7 defg	4.0 cdef	3.0
44	Steyer	4701R2	0.0 g	0.0 j	0.0 f	1.3 ghij	1.0 op	1.0 j	1.0 ijk	1.0 jk	0.7
10	Terral Rev	48R44	0.3 g	0.3 ij	0.0 f	1.0 hij	1.0 op	1.7 hi	0.7 jk	1.0 jk	0.8
11	Terral Rev	49R94	0.0 g	0.0 j	0.0 f	1.3 ghij	0.7 p	1.3 ij	0.0 k	2.0 ghijk	0.7
21	Terral Rev	47R53	0.0 g	0.0 j	0.0 f	1.0 hij	1.3 nop	2.3 fg	0.7 jk	.	0.8
22	Terral Rev	48R22	7.0 de	1.3 fg	0.3 f	1.0 hij	4.0 hij	1.5 hij	3.0 fgh	2.3 fghijk	2.6
23	Terral Rev	48R33	0.0 g	0.3 ij	0.0 f	1.7 fghij	1.7 no	1.0 j	0.7 jk	2.7 fghij	1.0
24	Terral Rev	49R22	7.3 cd	1.3 fg	0.7 f	2.3 defgh	4.3 ghi	1.0 j	3.3 efg	1.3 ijk	2.7
43	Terral Rev	47R34	0.0 g	0.0 j	0.7 f	1.3 ghij	1.0 op	1.3 ij	0.3 jk	1.0 jk	0.7
26	USG	74B83R	8.0 ab	2.7 bc	2.3 cde	3.7 abcd	5.7 cde	3.0 de	5.3 ab	5.7 abc	4.5
27	USG	74H92R	7.3 cd	1.7 ef	1.0 ef	2.3 defgh	3.7 ijk	1.7 hi	3.0 fgh	2.7 fghij	2.9
28	USG	74A92R	8.0 ab	2.0 de	1.0 ef	3.7 abcd	6.0 bcd	3.0 de	5.0 abc	4.7 bcde	4.2
<i>R</i> ²			0.9929	0.8942	0.7370	0.8089	0.9584	0.9475	0.9173	0.8101	
<i>CV</i>			7.08	32.4	113.5	34.9	13.2	17.03	20.25	34.62	
<i>p</i> -value			< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	
<i>LSD</i>			0.59	0.67	1.39	1.43	0.58	0.59	1.04	1.77	
<i>St. Dev</i>			3.49	1.00	1.30	1.57	2.02	1.2172	1.78436	1.82413	

Maturity Group IV late Cercospora blight ratings

Entry	Brand	Variety	Disease rating (0-9)								Avg.
			Falkner	Olive Branch	Raymond	Stoneville (loam)	Clarksdale (irr)	Brooksville	Stoneville (clay)	Longwood	
19	AgBorn	ABX 2499	6.7 bcde	4.0 c	5.3 cdef	7.0 bcd	4.0 c	6.0 e	5.0 hi	6.5 de	5.6
50	AGS	47R212	7.0 bcd	5.0 a	5.7 cde	7.3 abc	4.7 c	7.3 abc	6.0 efg	7.7 ab	6.3
29	Armor	49-R56	6.7 bcde	5.0 a	6.3 bc	6.0 e	4.0 d	6.7 cde	5.0 hi	6.7 cde	5.8
33	Armor	4744	7.0 bcd	4.0 c	6.0 bcd	6.3 de	4.3 cd	6.7 cde	6.0 efg	7.0 bcd	5.9
34	Armor	X1307	6.0 e	5.0 a	5.7 cde	6.7 cde	4.0 d	6.7 cde	5.7 fgh	6.7 cde	5.8
37	Armor	X1408	6.3 de	5.0 a	5.7 cde	6.3 de	4.0 d	6.0 e	5.7 fgh	6.0 ef	5.6
15	Asgrow	AG4832	7.3 abc	4.0 c	6.3 bc	8.0 a	4.3 cd	6.7 cde	6.7 cde	7.3 abc	6.3
16	Asgrow	AG4933	6.0 e	5.0 a	4.7 ef	7.7 ab	4.0 c	7.3 abc	5.0 hi	7.7 ab	5.9
17	Asgrow	AG4934	7.5 ab	4.0 c	5.3 cdef	6.7 cde	4.0 c	6.0 e	4.7 i	6.0 ef	5.5
53	Croplan	R2C 4752S	7.0 bcd	5.0 a	5.3 cdef	6.7 cde	4.0 d	7.0 bcd	5.0 hi	6.7 cde	5.8
54	Croplan	R2T 4799S	7.0 bcd	5.0 a	6.0 bcd	6.0 e	4.0 d	7.0 bcd	6.7 cde	6.7 cde	6.0
1	Delta Grow	DG 4755RR2	7.0 bcd	5.0 a	5.0 def	8.0 a	4.3 cd	8.0 a	7.7 ab	7.5 ab	6.6
2	Delta Grow	DG 4765RR2/STS	6.7 bcde	5.0 a	5.7 cde	6.7 cde	4.0 d	7.0 bcd	5.5 fghi	7.0 bcd	5.9
3	Delta Grow	DG 4825RR2/STS	6.3 de	4.3 bc	5.3 cdef	6.7 cde	4.0 d	7.0 bcd	5.3 ghi	6.0 ef	5.6
4	Delta Grow	DG 4925RR2	7.0 bcd	4.0 c	5.0 def	7.0 bcd	4.0 d	7.0 bcd	6.7 cde	7.5 ab	6.0
5	Delta Grow	DG 4970RR	6.7 bcde	4.7 ab	5.3 cdef	7.7 ab	4.3 cd	6.0 e	6.3 def	7.0 bcd	6.0
18	Delta Grow	DG 4880RR	6.7 bcde	4.0 c	5.0 def	8.0 a	4.7 c	7.0 bcd	6.0 efg	7.0 bcd	6.0
45	Delta Grow	DG 4940RR	6.0 e	4.7 ab	5.0 def	6.0 e	4.0 d	6.0 e	4.7 i	5.5 f	5.2
30	Dyna-Gro	37RY47	7.0 bcd	5.0 a	6.0 bcd	6.3 de	4.3 cd	6.7 cde	6.0 efg	6.0 ef	5.9
31	Dyna-Gro	S47RY13	7.0 bcd	5.0 a	4.5 ef	8.0 a	4.3 cd	8.0 a	6.7 cde	7.7 ab	6.4
32	Dyna-Gro	S48RS53	6.7 bcde	5.0 a	5.3 cdef	6.3 de	4.3 cd	6.0 e	4.7 i	6.7 cde	5.6
35	Great Heart Seed	GX4798R2	7.3 abc	4.0 c	5.3 cdef	7.0 bcd	4.0 d	6.0 e	6.0 efg	6.0 ef	5.7
36	Great Heart Seed	GT476R2	7.0 bcd	4.7 ab	5.7 cde	7.7 ab	4.0 d	7.3 abc	7.0 bcd	8.0 a	6.4
51	HBK	RY 4721	7.3 abc	4.3 bc	5.7 cde	8.0 a	4.0 d	7.3 abc	6.3 def	7.3 abc	6.3
12	Morsoy Xtra	47X12	6.7 bcde	5.0 a	7.0 ab	6.7 cde	4.0 d	6.3 de	5.7 fgh	6.7 cde	6.0
13	Morsoy Xtra	48X02	7.0 bcd	4.7 ab	5.7 cde	7.7 ab	4.0 d	7.7 ab	7.3 abc	7.7 ab	6.5
14	Morsoy Xtra	49X14	7.0 bcd	4.0 c	5.7 cde	8.0 a	4.0 d	6.7 cde	5.0 hi	7.3 abc	6.0
20	MPG	MPG 4714	6.3 de	5.0 a	5.0 def	6.3 de	4.3 cd	6.0 e	5.0 hi	6.3 de	5.5
38	Mycogen	5N478R2	6.7 bcde	4.0 c	6.0 bcd	8.0 a	4.7 c	7.3 abc	7.0 bcd	8.0 a	6.5
6	NK	S47-N3	6.7 bcde	4.3 bc	6.3 bc	6.0 e	4.0 d	7.0 bcd	6.0 efg	7.3 abc	6.0
52	NK	S49-F8	7.0 bcd	5.0 a	4.7 ef	7.7 ab	4.0 d	7.3 abc	5.7 fgh	7.0 bcd	6.0
7	Pioneer	P47T36R	7.3 abc	4.0 c	6.3 bc	7.3 abc	4.7 c	7.0 bcd	7.3 abc	6.7 cde	6.3

Maturity Group IV late Cercospora blight ratings

			Disease rating (0-9)								
Entry	Brand	Variety	Falkner	Olive Branch	Raymond	Stoneville (loam)	Clarksdale (irr)	Brooksville	Stoneville (clay)	Longwood	Avg.
8	Pioneer	P49T80R	6.5 cde	5.0 a	6.3 bc	7.7 ab	4.0 d	8.0 a	7.0 bcd	7.7 ab	6.5
9	Pioneer	P49T97R	6.0 e	4.0 c	4.5 ef	7.3 abc	4.3 cd	7.0 bcd	6.0 efg	7.5 ab	5.8
25	Pioneer	P48T53R	7.0 bcd	5.0 a	6.0 bcd	6.0 e	4.3 cd	7.0 bcd	5.7 fgh	6.0 ef	5.9
39	Progeny	P4710RY	6.0 e	4.7 ab	5.3 cdef	6.3 de	4.0 d	6.7 cde	5.7 fgh	6.3 de	5.6
40	Progeny	P4747RY	7.0 bcd	5.0 a	6.3 bc	7.7 ab	4.0 d	7.3 abc	7.7 ab	8.0 a	6.6
41	Progeny	P4850RY	7.3 abc	5.0 a	5.7 cde	7.0 bcd	4.0 d	6.7 cde	5.0 hi	6.5 de	5.9
42	Progeny	P4900RY	6.7 bcde	5.0 a	5.3 cdef	6.0 e	4.0 d	6.3 de	4.7 i	6.0 ef	5.5
46	Schillinger	478.RCS	6.7 bcde	4.7 ab	5.3 cdef	7.7 ab	4.0 d	6.7 cde	5.3 ghi	6.7 cde	5.9
47	Schillinger	495.RC	6.3 de	4.3 bc	5.7 cde	7.7 ab	4.0 d	6.7 cde	7.0 bcd	7.7 ab	6.2
48	Schillinger	4990.RC	6.3 de	4.0 c	6.0 bcd	8.0 a	4.0 d	7.0 bcd	5.7 fgh	7.0 bcd	6.0
49	Schillinger	4712R2	7.3 abc	5.0 a	8.0 a	6.7 cde	8.3 a	6.7 cde	7.0 bcd	6.0 ef	6.9
44	Steyer	4701R2	6.3 de	5.0 a	5.7 cde	6.0 e	4.3 cd	6.3 de	5.7 fgh	6.0 ef	5.7
10	Terral Rev	48R44	6.7 bcde	4.0 c	5.0 def	8.0 a	5.3 b	7.0 bcd	8.0 a	8.0 a	6.5
11	Terral Rev	49R94	6.3 de	4.7 ab	4.5 ef	6.5 de	4.0 d	6.7 cde	7.0 bcd	7.0 bcd	5.8
21	Terral Rev	47R53	7.0 bcd	5.0 a	5.3 cdef	7.0 bcd	5.3 b	7.0 bcd	7.3 abc	6.7 cde	6.3
22	Terral Rev	48R22	6.7 bcde	4.0 c	4.7 ef	7.3 abc	4.7 c	7.0 bcd	8.0 a	7.0 bcd	6.2
23	Terral Rev	48R33	7.3 abc	4.7 ab	7.0 ab	8.0 a	4.5 cd	6.7 cde	8.0 a	7.0 bcd	6.6
24	Terral Rev	49R22	6.0 e	5.0 a	5.3 cdef	8.0 a	4.3 cd	7.3 abc	6.3 def	7.7 ab	6.3
43	Terral Rev	47R34	8.0 a	5.0 a	4.5 ef	7.7 ab	5.7 b	7.3 abc	8.0 a	7.3 abc	6.7
26	USG	74B83R	6.7 bcde	5.0 a	5.7 cde	7.0 bcd	4.0 d	6.7 cde	4.7 i	6.3 de	5.8
27	USG	74H92R	7.0 bcd	4.0 c	4.3 f	6.0 e	4.0 d	6.3 de	5.3 ghi	6.3 de	5.4
28	USG	74A92R	6.7 bcde	4.3 bc	5.0 def	7.7 ab	4.3 cd	7.0 bcd	6.0 efg	7.0 bcd	6.0
<i>R</i> ²			0.5337	0.8115	0.5855	0.8187	0.8109	0.7038	0.8358	0.7401	
<i>CV</i>			7.84	5.78	13.16	5.9	9.33	6.04	9.05	6.93	
<i>p</i> -value			0.0027	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	
<i>LSD</i>			0.88	0.45	1.22	0.69	0.66	0.67	0.91	0.81	
<i>St. Dev</i>			0.63	0.49	0.92	0.80	0.74747	0.61478	1.10225	0.75013	

Maturity Group IV conventional/LibertyLink frogeye leaf spot ratings

Entry	Brand	Variety	Disease rating (0-9)				Avg.
			Falkner	Brooksville	Stoneville (clay)	Longwood	
9	AgBorn	ABX 2174	7.7 a	2.0 c	3.3 bcd	5.7 a	4.7
1	Delta Grow	DG 4967LL	0.3 i	1.0 d	1.0 hij	0.7 f	0.8
2	Delta Grow	DG 4981LL/STS	6.3 bcd	2.0 c	2.0 efgh	1.7 de	3.0
3	Delta Grow	DG 4990LL	0.3 i	1.0 d	1.0 hij	1.0 ef	0.8
10	Dyna-Gro	SX13246L	7.0 ab	1.3 d	2.7 cdef	1.0 ef	3.0
11	Dyna-Gro	S49LL34	0.0 i	1.0 d	0.7 ij	1.0 ef	0.7
24	Go Soy	4411LL	0.0 i	1.0 d	2.0 efgh	.	1.0
25	Go Soy	4711LL	0.7 i	1.0 d	1.0 hij	1.3 def	1.0
26	Go Soy	4812LL	6.0 cde	2.7 b	3.7 abc	1.0 ef	3.3
27	Go Soy	4912LL	0.7 i	0.3 e	0.5 j	1.0 ef	0.6
12	HALO	4:40	0.0 i	1.0 d	0.7 ij	.	0.6
13	HALO	X466	6.0 cde	1.0 d	2.0 efgh	1.0 ef	2.5
14	HALO	4:65	0.0 i	1.0 d	1.7 fghi	1.0 ef	0.9
15	HALO	X477	6.7 bc	2.0 c	2.3 defg	2.0 cd	3.3
16	HALO	X48	6.0 cde	3.5 a	4.0 ab	1.3 def	3.7
17	HALO	X50	0.7 i	0.3 e	1.7 fghi	1.3 def	1.0
18	HALO	4:94	5.0 f	1.0 d	0.7 ij	1.0 ef	1.9
19	HALO	X496	0.3 i	1.3 d	1.0 hij	1.0 ef	0.9
28	HBK	LL4650	2.3 h	1.0 d	1.3 ghij	.	1.6
29	HBK	XLL4665	5.7 def	1.0 d	2.0 efgh	.	2.9
30	HBK	LL4850	5.3 ef	1.0 d	4.0 ab	1.0 ef	2.8
31	HBK	LL4950	0.3 i	0.0 e	1.3 ghij	1.3 def	0.8
32	HBK	XLL4969	0.3 i	0.0 e	1.0 hij	1.3 def	0.7
20	Progeny	P4560LL	0.0 i	2.0 c	1.3 ghij	.	1.1
21	Progeny	P4819LL	6.7 bc	1.0 d	3.7 abc	4.5 b	4.0
22	Progeny	P4928LL	3.3 g	1.0 d	1.0 hij	1.0 ef	1.6
23	Progeny	P4930LL	0.3 i	1.0 d	0.7 ij	1.3 def	0.8
8	Univ. of Arkansas	R05-3239	5.0 f	1.0 d	2.0 efgh	1.7 de	2.4
4	Univ. of Missouri	S09-9943	6.3 bcd	2.0 c	4.0 ab	5.0 ab	4.3
5	Univ. of Missouri	S09-13608	7.0 ab	3.0 b	4.0 ab	2.7 c	4.2
6	Univ. of Missouri	S09-10871	7.0 ab	3.0 b	4.7 a	4.7 b	4.8
7	USDA-ARS	JTN-4607	5.3 ef	1.0 d	3.0 bcde	2.7 c	3.0
R²			0.9769	0.938	0.846	0.9333	
CV			16.83	19.28	32.07	25.5	
p-value			< 0.0001	< 0.0001	< 0.0001	< 0.0001	
LSD			0.93	0.43	1.1	0.92	
St. Dev			2.98	0.79	1.36	1.48	

Maturity Group IV conventional/LibertyLink Cercospora blight ratings

Entry	Brand	Variety	Disease rating (0-9)				Avg.
			Falkner	Brooksville	Stoneville (clay)	Longwood	
9	AgBorn	ABX 2174	6.3 bcd	6.3 abc	6.7 cd	6.7 bcd	6.5
1	Delta Grow	DG 4967LL	3.3 ij	5.0 e	3.0 j	5.3 fg	4.2
2	Delta Grow	DG 4981LL/STS	4.0 ghi	5.3 de	3.0 j	5.3 fg	4.4
3	Delta Grow	DG 4990LL	4.3 fgh	6.3 abc	3.3 ij	5.5 fg	4.9
10	Dyna-Gro	SX13246L	6.3 bcd	7.0 a	7.3 abc	6.7 bcd	6.8
11	Dyna-Gro	S49LL34	3.7 hij	6.0 bcd	3.3 ij	5.0 g	4.5
24	Go Soy	4411LL	7.0 ab	6.7 ab	8.0 a	6.3 cde	7.0
25	Go Soy	4711LL	4.0 ghi	6.3 abc	4.7 fg	6.7 bcd	5.4
26	Go Soy	4812LL	5.7 de	6.7 ab	5.5 ef	6.7 bcd	6.1
27	Go Soy	4912LL	4.7 fg	5.0 e	3.3 ij	5.3 fg	4.6
12	HALO	4:40	6.7 abc	6.0 bcd	6.7 cd	6.0 def	6.3
13	HALO	X466	6.7 abc	6.7 ab	7.7 ab	6.3 cde	6.8
14	HALO	4:65	7.0 ab	6.7 ab	8.0 a	6.7 bcd	7.1
15	HALO	X477	3.0 j	6.0 bcd	3.7 hij	5.3 fg	4.5
16	HALO	X48	6.3 bcd	6.7 ab	7.0 bc	7.0 abc	6.8
17	HALO	X50	3.0 j	5.3 de	3.0 j	5.0 g	4.1
18	HALO	4:94	4.7 fg	6.7 ab	3.3 ij	6.3 cde	5.3
19	HALO	X496	4.0 ghi	6.0 bcd	3.0 j	5.3 fg	4.6
28	HBK	LL4650	6.7 abc	7.0 a	8.0 a	6.0 def	6.9
29	HBK	XLL4665	7.0 ab	7.0 a	7.7 ab	6.0 def	6.9
30	HBK	LL4850	6.3 bcd	7.0 a	5.3 ef	7.0 abc	6.4
31	HBK	LL4950	3.0 j	5.7 cde	3.0 j	5.0 g	4.2
32	HBK	XLL4969	3.7 hij	6.0 bcd	3.7 hij	5.7 efg	4.8
20	Progeny	P4560LL	7.3 a	6.7 ab	8.0 a	6.0 def	7.0
21	Progeny	P4819LL	6.0 cd	6.7 ab	5.7 e	7.7 a	6.5
22	Progeny	P4928LL	5.0 ef	6.7 ab	4.0 ghi	6.0 def	5.4
23	Progeny	P4930LL	4.0 ghi	6.5 ab	3.3 ij	5.3 fg	4.8
8	Univ. of Arkansas	R05-3239	6.0 cd	6.3 abc	4.3 gh	6.7 bcd	5.8
4	Univ. of Missouri	S09-9943	5.0 ef	6.7 ab	6.7 cd	6.7 bcd	6.3
5	Univ. of Missouri	S09-13608	6.0 cd	6.7 ab	6.0 de	7.3 ab	6.5
6	Univ. of Missouri	S09-10871	6.3 bcd	6.0 bcd	6.0 de	6.7 bcd	6.3
7	USDA-ARS	JTN-4607	6.0 cd	6.0 bcd	6.0 de	7.0 abc	6.3
R²			0.8943	0.7189	0.9538	0.7944	
CV			11.26	6.97	9.72	7.55	
p-value			< 0.0001	< 0.0001	< 0.0001	< 0.0001	
LSD			0.98	0.72	0.85	0.76	
St. Dev			1.47	0.67	1.90	0.82	

Maturity Group V Early frogeye leaf spot ratings

Entry	Brand	Variety	Disease rating (0-9)							Avg.
			Falkner	Olive Branch	Raymond	Stoneville (loan	Clarksdale (irr	Brooksville	Stoneville (clay)	
19	AgBorn	ABX 2105	4.3 j	.	.	.	.	2.5 efgh	4.0 abc	4.0
25	Armor	X1316	7.7 cde	1.7 fg	0.3 gh	3.0 bcdef	2.0 ef	4.0 bcd	2.0 efgh	2.9
26	Armor	X1217	7.3 de	5.5 a	1.3 cdefg	4.3 abcd	2.7 cdef	3.0 cdefg	2.0 efgh	3.9
27	Armor	X1218	6.0 gh	2.3 defgh	0.0 h	3.5 abcdef	1.0 f	0.3 k	2.7 cdefg	2.2
28	Armor	X1312	0.0 l	1.3 hi	0.3 gh	3.7 abcdef	1.0 f	1.0 ijk	3.3 abcde	1.5
37	Armor	X1413	8.0 bcd	3.3 cd	1.0 defgh	3.7 abcdef	2.5 cdef	1.7 ghijk	1.7 fgh	3.1
38	Armor	X1414	7.0 ef	3.0 cde	0.7 efgh	4.0 abcde	6.0 a	2.7 defgh	1.5 gh	3.4
39	Armor	X1410	8.5 abc	2.7 def	1.0 defgh	4.0 abcde	.	4.0 bcd	2.7 cdefg	4.0
8	Asgrow	AG 5332	8.5 abc	2.3 defgh	1.3 cdefg	4.7 abc	5.3 a	3.5 bcde	4.3 ab	4.3
9	Asgrow	AG 5534	6.0 gh	1.3 hi	1.0 defgh	3.7 abcdef	2.0 ef	2.0 fghij	2.0 efgh	2.5
10	Asgrow	AG 5634	8.0 bcd	1.7 fg	1.0 defgh	3.7 abcdef	.	2.0 fghij	2.7 cdefg	3.1
30	Asgrow	AG 5233	9.0 a	4.0 bc	0.5 fgh	5.0 ab	4.5 abc	2.7 defgh	3.5 abcd	3.9
50	Croplan	R2C 5081	0.0 l	1.3 hi	1.0 defgh	3.0 bcdef	1.5 f	1.0 ijk	.	1.3
51	Croplan	R2C 5371	7.0 ef	1.0 i	0.7 efgh	2.7 cdef	2.3 def	2.3 efghi	.	2.7
1	Delta Grow	DG 5575RR2	6.3 fg	1.0 i	1.3 cdefg	3.3 bcdef	1.7 f	1.3 hijk	2.0 efgh	2.4
2	Delta Grow	DG 5625RR2	7.0 ef	1.7 fg	0.7 efgh	3.7 abcdef	4.3 abcd	2.0 fghij	1.7 fgh	3.0
7	Delta Grow	DG 5130RR2	8.5 abc	3.0 cde	1.5 bcdef	2.7 cdef	5.0 ab	4.3 abc	2.0 efgh	3.8
14	Delta Grow	DG 5125RR2	8.0 bcd	1.0 i	1.0 defgh	3.3 bcdef	2.0 ef	1.3 hijk	1.7 fgh	2.5
15	Delta Grow	DG 5565RR2	6.3 fg	1.3 hi	1.0 defgh	3.7 abcdef	1.0 f	0.7 jk	2.5 defg	2.3
16	Delta Grow	DG 5480RR2	6.0 gh	1.3 hi	0.7 efgh	2.3 def	2.0 ef	1.5 hijk	3.0 bcdef	2.5
17	Delta Grow	DG 5475RR2	9.0 a	2.3 defgh	0.7 efgh	3.0 bcdef	5.5 a	3.7 bcde	3.3 abcde	4.0
31	Dyna-Gro	S53RY23	1.0 k	1.7 fg	1.0 defgh	3.3 bcdef	.	1.5 hijk	4.0 abc	2.4
32	Dyna-Gro	S54RY43	8.7 ab	2.0 efghi	2.0 abcd	5.0 ab	5.0 ab	3.3 bcdef	2.0 efgh	4.0
33	Dyna-Gro	32RY55	4.0 j	1.7 fg	0.7 efgh	2.3 def	1.0 f	1.0 ijk	2.0 efgh	1.8
34	Dyna-Gro	S56RY84	7.0 ef	1.0 i	1.0 defgh	2.3 def	2.0 ef	1.3 hijk	2.0 efgh	2.4
35	Great Heart Seed	GT500R2	7.0 ef	4.0 bc	2.0 abcd	5.0 ab	.	3.7 bcde	3.0 bcdef	4.2
36	Great Heart Seed	GT550R2	7.0 ef	1.0 i	1.0 defgh	3.3 bcdef	.	3.7 bcde	3.5 abcd	3.3
48	HBK	RY5221	0.0 l	2.0 efghi	0.3 gh	2.7 cdef	.	0.7 jk	2.5 defg	1.3
49	HBK	RY5421	0.0 l	1.0 i	1.0 defgh	1.7 f	1.0 f	1.3 hijk	2.0 efgh	1.3
18	MPG	MPG 5214	9.0 a	1.3 hi	2.3 abc	3.7 abcdef	.	4.0 bcd	4.5 a	4.4
4	NK	S52-Y2	9.0 a	1.5 ghi	2.5 ab	2.0 ef	.	4.7 ab	2.3 defgh	3.6
5	Pioneer	P50T40R	.	.	.	.	.	1.0 ijk	4.0 abc	2.0

Maturity Group V Early frogeye leaf spot ratings

			Disease rating (0-9)								
Entry	Brand	Variety	Falkner	Olive Branch	Raymond	Stoneville (loan	Clarksdale (irr	Brooksville	Stoneville (clay)	Longwood	Avg.
6	Pioneer	P54T94R	8.7 ab	5.5 a	1.7 abcde	5.0 ab	5.5 a	5.7 a	2.0 efgh	7.0 a	5.1
29	Pioneer	P50T64R	8.0 bcd	1.3 hi	1.5 bcdef	3.0 bcdef	1.0 f	2.3 efghi	2.0 efgh	4.0 defg	2.9
40	Progeny	P5111RY	1.0 k	1.0 i	0.0 h	2.0 ef	1.0 f	1.3 hijk	2.5 defg	1.0 l	1.2
41	Progeny	P5210RY	7.3 de	2.0 efghi	0.3 gh	3.5 abcdef	4.0 abcde	1.5 hijk	2.3 defgh	2.0 ijkl	2.9
42	Progeny	P5213RY	4.5 ij	2.0 efghi	0.7 efgh	3.0 bcdef	4.0 abcde	3.0 cdefg	2.0 efgh	.	2.7
43	Progeny	P5333RY	7.7 cde	1.3 hi	1.0 defgh	3.0 bcdef	3.0 abcdef	2.0 fghij	2.5 defg	3.3 efghi	3.0
44	Progeny	P5555RY	6.0 gh	1.7 fghi	1.0 defgh	2.3 def	3.0 abcdef	1.3 hijk	1.7 fgh	2.3 hijkl	2.4
45	Progeny	P5610RY	5.3 hi	1.7 fghi	0.7 efgh	3.0 bcdef	1.0 f	0.7 jk	1.5 gh	1.7 jkl	1.9
47	Schillinger	5220.RC	8.5 abc	3.0 cde	1.7 abcde	3.0 bcdef	4.5 abc	3.0 cdefg	2.0 efgh	4.3 cdef	3.8
11	Steyer	5101R2	9.0 a	2.5 defg	2.7 a	5.5 a	5.5 a	2.5 efgh	2.7 cdefg	4.7 bcde	4.4
24	Steyer	5301R2	9.0 a	4.5 ab	2.3 abc	2.0 ef	5.0 ab	4.0 bcd	2.5 defg	4.7 bcde	4.3
20	Terral Rev	51R53	9.0 a	1.5 ghi	0.5 fgh	4.3 abcd	6.0 a	2.5 efgh	2.3 defgh	4.3 cdef	3.8
21	Terral Rev	55R53	9.0 a	2.0 efghi	0.7 efgh	4.3 abcd	5.7 a	4.0 bcd	1.0 h	6.0 ab	4.1
22	Terral Rev	56R21	7.7 cde	1.7 fghi	1.3 cdefg	4.3 abcd	5.7 a	4.0 bcd	3.0 bcdef	4.0 defg	4.0
23	Terral Rev	56R63	4.7 ij	1.0 i	0.7 efgh	3.0 bcdef	1.0 f	1.3 hijk	2.0 efgh	1.3 kl	1.9
46	Terral Rev	52R74	.	1.5 ghi	1.0 defgh	3.3 bcdef	.	1.7 ghijk	2.0 efgh	3.0 fghij	2.1
52	Terral Rev	54R84	.	.	.	.	.	.	.	.	.
12	Univ. of AR	R04-1250RR	0.0 l	2.0 efghi	0.7 efgh	2.0 ef	.	1.0 ijk	2.0 efgh	1.3 kl	1.3
13	Univ. of AR	R04-1268RR	8.7 ab	2.0 efghi	1.7 abcde	2.3 def	4.0 abcde	2.7 defgh	2.0 efgh	4.7 bcde	3.5
3	Univ. of MO	S09-6201R	.	.	.	.	.	1.3 hijk	2.5 defg	2.0 ijkl	1.9
<i>R</i> ²			0.9797	0.8383	0.5734	0.465	0.8608	0.7887	0.6415	0.8459	
<i>CV</i>			8.88	29.68	64.78	36.63	30.62	36.38	31.56	24.32	
<i>p</i> -value			< 0.0001	< 0.0001	0.0003	0.0342	< 0.0001	< 0.0001	0.0013	< 0.0001	
<i>LSD</i>			0.98	1	1.14	2.08	2.05	1.47	1.49	1.45	
<i>St. Dev</i>			2.97	1.13	0.82	1.33	1.90	1.49	0.96	1.59	

Maturity Group V Early Cercospora blight ratings

Entry	Brand	Variety	Disease rating (0-9)								Avg.
			Falkner	Olive Branch	Raymond	Stoneville (loam)	Clarksdale (irr)	Brooksville	Stoneville (clay)	Longwood	
19	AgBorn	ABX 2105	6.3 bc	6.7 de	6.7 cde	6.0 d	6.5 cde	6.0 cd	6.3 bc	5.7 d	4.9
25	Armor	X1316	6.3 bc	6.7 de	6.3 de	6.0 d	6.3 de	6.0 cd	6.0 cd	6.0 c	4.9
26	Armor	X1217	6.0 cd	6.3 ef	6.7 cde	6.3 d	6.7 cd	6.0 cd	6.0 cd	6.0 c	5.7
27	Armor	X1218	6.0 cd	6.0 f	6.3 de	6.0 d	6.0 e	6.0 cd	6.0 cd	6.0 c	5.1
28	Armor	X1312	7.0 a	8.0 a	7.7 ab	6.0 d	8.0 a	6.7 ab	7.0 a	7.0 a	5.7
37	Armor	X1413	6.0 cd	8.0 a	7.3 abc	6.3 d	7.3 b	6.3 bc	6.0 cd	6.7 b	5.6
38	Armor	X1414	6.3 bc	7.0 cd	7.0 bcd	7.3 abc	6.7 cd	6.0 cd	5.7 de	6.0 c	5.3
39	Armor	X1410	6.0 cd	6.3 ef	6.7 cde	7.5 ab	6.0 e	6.0 cd	6.3 bc	6.0 c	5.2
8	Asgrow	AG 5332	6.0 cd	6.7 de	7.0 bcd	6.0 d	6.3 de	6.0 cd	6.3 bc	6.0 c	5.5
9	Asgrow	AG 5534	5.7 de	6.0 f	7.0 bcd	6.0 d	6.3 de	6.0 cd	6.7 ab	6.0 c	5.4
10	Asgrow	AG 5634	6.0 cd	6.3 ef	6.0 e	6.0 d	6.3 de	6.0 cd	6.0 cd	6.0 c	5.0
30	Asgrow	AG 5233	6.3 bc	8.0 a	7.7 ab	6.0 d	7.3 b	6.3 bc	5.5 de	6.0 c	5.5
50	Croplan	R2C 5081	6.3 bc	6.7 de	7.0 bcd	6.0 d	6.0 e	6.0 cd	6.0 cd	.	4.9
51	Croplan	R2C 5371	6.0 cd	7.0 cd	7.0 bcd	6.0 d	6.0 e	6.0 cd	6.0 cd	.	5.1
1	Delta Grow	DG 5575RR2	6.0 cd	6.0 f	7.0 bcd	6.7 bcd	6.3 de	6.0 cd	6.0 cd	6.0 c	5.8
2	Delta Grow	DG 5625RR2	5.3 e	6.0 f	6.7 cde	6.7 bcd	6.7 cd	6.0 cd	5.7 de	6.0 c	5.3
7	Delta Grow	DG 5130RR2	6.0 cd	7.7 ab	6.7 cde	6.3 d	8.0 a	7.0 a	5.5 de	7.0 a	5.6
14	Delta Grow	DG 5125RR2	6.7 ab	6.7 de	7.0 bcd	6.7 bcd	6.0 e	6.0 cd	6.0 cd	5.7 d	5.2
15	Delta Grow	DG 5565RR2	6.0 cd	6.0 f	7.0 bcd	6.7 bcd	6.3 de	6.0 cd	6.0 cd	6.0 c	5.0
16	Delta Grow	DG 5480RR2	6.0 cd	6.7 de	7.0 bcd	6.0 d	7.0 bc	6.0 cd	6.3 bc	6.0 c	5.3
17	Delta Grow	DG 5475RR2	6.3 bc	6.7 de	7.0 bcd	6.0 d	6.7 cd	6.0 cd	6.0 cd	6.0 c	5.7
31	Dyna-Gro	S53RY23	6.3 bc	7.7 ab	7.0 bcd	6.0 d	6.3 de	6.3 bc	6.3 bc	6.0 c	5.5
32	Dyna-Gro	S54RY43	6.3 bc	6.3 ef	6.7 cde	6.3 d	6.0 e	6.0 cd	5.7 de	6.0 c	5.4
33	Dyna-Gro	32RY55	6.0 cd	6.3 ef	6.7 cde	6.0 d	6.3 de	6.0 cd	6.0 cd	6.0 c	6.0
34	Dyna-Gro	S56RY84	6.0 cd	6.3 ef	6.7 cde	6.0 d	7.0 bc	6.0 cd	6.0 cd	6.0 c	5.2
35	Great Heart Seed	GT500R2	6.0 cd	6.7 de	7.0 bcd	6.5 cd	7.0 bc	6.0 cd	6.0 cd	6.0 c	5.1
36	Great Heart Seed	GT550R2	6.0 cd	7.0 cd	6.7 cde	6.7 bcd	6.3 de	6.0 cd	6.0 cd	6.0 c	5.1
48	HBK	RY5221	6.7 ab	7.3 bc	7.3 abc	6.3 d	6.0 e	6.0 cd	6.0 cd	6.0 c	5.2
49	HBK	RY5421	6.0 cd	7.3 bc	6.5 de	6.0 d	6.3 de	6.0 cd	6.0 cd	6.0 c	6.1
18	MPG	MPG 5214	6.0 cd	6.3 ef	6.3 de	6.0 d	6.0 e	6.0 cd	6.3 bc	6.0 c	4.9
4	NK	S52-Y2	6.3 bc	7.0 cd	6.7 cde	6.7 bcd	6.7 cd	6.0 cd	5.3 e	6.0 c	5.0
5	Pioneer	P50T40R	6.7 ab	7.3 bc	7.7 ab	6.0 d	7.0 bc	6.0 cd	6.0 cd	6.0 c	5.2
6	Pioneer	P54T94R	5.7 de	6.7 de	6.0 e	6.0 d	6.0 e	6.0 cd	6.0 cd	6.0 c	5.1

Maturity Group V Early Cercospora blight ratings

Entry	Brand	Variety	Disease rating (0-9)								Avg.
			Falkner	Olive Branch	Raymond	Stoneville (loam)	Clarksdale (irr)	Brooksville	Stoneville (clay)	Longwood	
29	Pioneer	P50T64R	6.0 cd	7.0 cd	7.7 ab	6.5 cd	7.0 bc	6.3 bc	6.0 cd	6.0 c	5.2
40	Progeny	P5111RY	6.0 cd	6.7 de	7.0 bcd	6.0 d	6.0 e	6.0 cd	6.3 bc	6.0 c	5.0
41	Progeny	P5210RY	6.3 bc	7.0 cd	6.7 cde	6.0 d	6.0 e	6.0 cd	6.0 cd	6.0 c	5.4
42	Progeny	P5213RY	6.7 ab	8.0 a	8.0 a	8.0 a	8.0 a	6.7 ab	6.3 bc	6.0 c	6.0
43	Progeny	P5333RY	6.0 cd	7.0 cd	6.3 de	6.0 d	6.3 de	6.0 cd	5.7 de	6.0 c	5.6
44	Progeny	P5555RY	6.3 bc	6.3 ef	6.7 cde	6.0 d	6.0 e	6.0 cd	5.7 de	6.0 c	5.1
45	Progeny	P5610RY	6.0 cd	6.5 def	6.3 de	6.3 d	6.0 e	6.0 cd	6.0 cd	6.0 c	5.3
47	Schillinger	5220.RC	6.0 cd	7.0 cd	6.7 cde	6.0 d	6.0 e	6.0 cd	6.0 cd	6.0 c	4.9
11	Steyer	5101R2	6.3 bc	8.0 a	7.0 bcd	6.0 d	8.0 a	6.7 ab	6.3 bc	7.0 a	5.5
24	Steyer	5301R2	6.0 cd	8.0 a	7.3 abc	6.3 d	7.0 bc	6.7 ab	6.3 bc	6.0 c	5.2
20	Terral Rev	51R53	6.0 cd	7.0 cd	6.3 de	6.0 d	7.0 bc	6.0 cd	6.0 cd	5.7 d	5.0
21	Terral Rev	55R53	6.0 cd	6.7 de	6.3 de	7.3 abc	6.0 e	6.0 cd	6.0 cd	6.0 c	5.5
22	Terral Rev	56R21	6.3 bc	6.0 f	6.7 cde	7.3 abc	6.7 cd	6.0 cd	6.7 ab	6.0 c	5.4
23	Terral Rev	56R63	6.3 bc	6.0 f	6.7 cde	6.0 d	6.3 de	5.7 d	6.0 cd	6.0 c	5.3
46	Terral Rev	52R74	6.0 cd	7.0 cd	6.7 cde	6.0 d	6.0 e	5.7 d	6.0 cd	5.0 e	5.2
52	Terral Rev	54R84	.	.	.	.	.	.	.	.	.
12	Univ. of AR	R04-1250RR	6.0 cd	6.7 de	6.7 cde	6.0 d	6.0 e	6.0 cd	6.0 cd	5.7 d	5.4
13	Univ. of AR	R04-1268RR	6.0 cd	7.0 cd	6.7 cde	6.0 d	6.3 de	6.0 cd	6.3 bc	6.0 c	5.0
3	Univ. of MO	S09-6201R	6.7 ab	7.0 cd	7.0 bcd	6.3 d	6.3 de	6.0 cd	6.0 cd	6.0 c	5.9
R²			0.4875	0.7666	0.5971	0.5038	0.8105	0.6107	0.4726	0.7875	
CV			6.19	5.98	6.54	9.13	5.46	4.02	6.28	3.04	
p-value			0.0089	< 0.0001	< 0.0001	0.0128	< 0.0001	< 0.0001	0.0218	< 0.0001	
LSD			0.63	0.66	0.73	0.98	0.58	0.4	0.65	0.31	
St. Dev			0.4294	0.6852	0.5707	0.6478	0.6617	0.3167	0.4283	0.317	

Maturity Group V Late frogeye leaf spot ratings

Entry	Brand	Variety	Disease rating (0-9)								
			Falkner	Olive Branch	Raymond	Stoneville (loam)	Clarksdale (irr)	Brooksville	Stoneville (clay)	Longwood	Avg.
1	Asgrow	AG 5831	5.7 b	1.0 b	0.5	2.0	2.5 a	1.3 a	3.5 a	2.7 b	2.4
4	Dyna-Gro	39RY57	6.7 a	3.0 a	1.5	2.5	3.0 a	1.3 a	1.5 a	3.0 ab	2.8
5	Progeny	P5711RY	6.3 ab	1.7 ab	1.0	3.5	4.0 a	1.7 a	2.0 a	3.7 a	3.0
2	Terral Rev	57R21	0.0 c	0.3 b	1.0	1.3	2.3 a	0.3 b	2.3 a	1.7 c	1.2
3	Terral Rev	59R13	0.0 c	1.3 ab	0.3	1.7	2.0 a	1.0 ab	2.0 a	1.0 c	1.2
<i>R</i> ²			0.9897	0.6196	0.4117	0.603	0.2871	0.6977	0.4014	0.8974	
<i>CV</i>			11.47	69.31	97.97	44.68	64.37	41.07	53.82	18.63	
<i>p</i> -value			< 0.0001	0.0977	0.55	0.2927	0.7458	0.0605	0.5676	0.0006	
<i>LSD</i>			0.81	1.91	1.95	2.23	4.11	0.87	2.89	0.84	
<i>St. Dev</i>			3.20	1.25	0.72	1.00	1.37	0.64	1.06	1.06	

Maturity Group V Late Cercospora blight ratings

			Disease rating (0-9)								
Entry	Brand	Variety	Falkner	Olive Branch	Raymond	Stoneville (loam)	Clarksdale (irr)	Brooksville	Stoneville (clay)	Longwood	Avg.
1	Asgrow	AG 5831	6.0	6.0 b	6.0	6.0	7.0	6.0	5.0	6.0	6.0
4	Dyna-Gro	39RY57	6.0	6.0 b	6.5	6.0	6.5	6.0	5.5	6.0	6.1
5	Progeny	P5711RY	6.0	6.0 b	6.0	6.0	6.0	6.0	5.5	6.0	5.9
2	Terral Rev	57R21	6.0	6.7 a	6.0	6.0	6.3	6.0	6.0	6.0	6.1
3	Terral Rev	59R13	6.0	6.0 b	6.0	6.0	6.3	6.0	5.3	6.0	6.0
<i>R</i> ²			.	0.6923	0.5636	.	0.52	.	0.5055	.	
<i>CV</i>			.	4.21	4.65	.	8.25	.	9.9	.	
<i>p</i> -value			.	0.0453	0.3977	.	0.5306	.	0.4156	.	
<i>LSD</i>			0	0.48	0.68	0	1.27	0	1.3	0	
<i>St. Dev</i>			0.00	0.35	0.29	0.00	0.51	0.00	0.52	0.00	

Maturity Group V conventional/LibertyLink Frogeye leaf spot ratings

Entry	Brand	Variety	Disease rating (0-9)				Avg.
			Falkner	Brooksville	Stoneville (clay)	Longwood	
1	Delta Grow	DG 5461LL	4.3 cd	1.0 hi	2.0 bcd	2.0 cdef	2.3
2	Delta Grow	DG 5481LL	0.0 h	1.0 hi	1.3 de	2.0 cdef	1.1
17	Delta Grow	DG 5361LL	6.3 b	1.0 hi	1.7 cde	2.7 bcd	2.9
18	Go Soy	5010LL	1.0 fg	1.0 hi	1.3 de	1.7 def	1.3
19	Go Soy	5111LL	1.0 fg	1.0 hi	1.7 cde	1.7 def	1.3
20	Go Soy	5312LL	4.0 d	1.0 hi	1.0 e	2.3 bcde	2.1
21	Go Soy	5410LL	2.5 e	1.0 hi	2.3 abc	3.0 bc	2.2
10	HALO	X50	1.0 fg	0.7 i	1.7 cde	1.0 f	1.1
11	HALO	X51	1.3 fg	1.0 hi	1.3 de	1.7 def	1.3
12	HALO	X530	6.3 b	2.3 de	1.7 cde	3.3 b	3.4
13	HALO	5:45	1.0 fg	3.3 b	1.3 de	1.3 ef	1.8
23	HBK	LL5350	2.7 e	1.0 hi	1.0 e	2.0 bcde	1.7
14	Progeny	P5160LL	2.7 e	3.0 bc	2.7 ab	2.0 cdef	2.6
15	Progeny	P5460LL	1.7 f	1.7 fg	1.3 de	1.5 def	1.5
16	Progeny	P5960LL	0.0 h	2.0 ef	1.7 cde	1.3 ef	1.3
22	Stratton Seed	Leland	0.7 gh	1.3 gh	1.7 cde	2.7 bcd	1.6
5	Univ. of AR	Osage	6.7 ab	2.0 ef	2.3 abc	5.0 a	4.0
6	Univ. of AR	Ozark	4.0 d	2.0 ef	2.0 bcd	1.7 def	2.4
7	Univ. of AR	UA 5612	6.3 b	1.3 gh	2.0 bcd	2.7 bcd	3.1
8	Univ. of AR	R05-4114	7.0 ab	2.7 cd	1.5 cde	2.7 bcd	3.5
9	Univ. of AR	R05-374	5.0 c	3.5 b	2.0 bcd	2.0 cdef	3.1
3	Univ. of MO	S09-13635	7.3 a	4.7 a	3.0 a	4.7 a	4.9
4	USDA-ARS	JTN-4307	1.0 fg	1.0 hi	2.3 abc	1.5 def	1.5
R²			0.981	0.9283	0.5658	0.7931	
CV			13.49	20.44	32.06	28.54	
p-value			< 0.0001	< 0.0001	0.0097	< 0.0001	
LSD			0.74	0.60	0.97	1.18	
St. Dev			2.51	1.06	0.69	1.13	

Maturity Group V conventional/LibertyLink Cercospora blight ratings

Entry	Brand	Variety	Disease rating (0-9)				Avg.
			Falkner	Brooksville	Stoneville (clay)	Longwood	
1	Delta Grow	DG 5461LL	6.0 c	6.0 b	6.0 b	6.0 a	6.0
2	Delta Grow	DG 5481LL	6.0 c	6.0 b	5.3 c	5.0 c	5.6
17	Delta Grow	DG 5361LL	6.0 c	6.0 b	7.0 a	6.0 a	6.3
18	Go Soy	5010LL	6.0 c	6.0 b	6.0 b	6.0 a	6.0
19	Go Soy	5111LL	6.0 c	6.0 b	6.0 b	6.0 a	6.0
20	Go Soy	5312LL	6.0 c	6.0 b	7.0 a	6.0 a	6.3
21	Go Soy	5410LL	6.0 c	6.0 b	6.0 b	6.0 a	6.0
10	HALO	X50	6.0 c	6.0 b	6.0 b	6.0 a	6.0
11	HALO	X51	6.0 c	6.0 b	6.0 b	6.0 a	6.0
12	HALO	X530	6.0 c	6.0 b	6.0 b	6.0 a	6.0
13	HALO	5:45	6.7 b	6.0 b	6.0 b	6.0 a	6.2
23	HBK	LL5350	6.0 c	6.0 b	6.3 b	5.7 b	6.0
14	Progeny	P5160LL	6.0 c	6.0 b	6.0 b	6.0 a	6.0
15	Progeny	P5460LL	6.0 c	6.0 b	6.0 b	6.0 a	6.0
16	Progeny	P5960LL	6.0 c	6.0 b	6.0 b	6.0 a	6.0
22	Stratton Seed	Leland	6.0 c	6.0 b	6.0 b	6.0 a	6.0
5	Univ. of AR	Osage	6.0 c	6.0 b	6.0 b	5.7 b	5.9
6	Univ. of AR	Ozark	6.0 c	6.0 b	6.0 b	6.0 a	6.0
7	Univ. of AR	UA 5612	6.0 c	6.0 b	6.0 b	6.0 a	6.0
8	Univ. of AR	R05-4114	6.0 c	6.0 b	6.0 b	6.0 a	6.0
9	Univ. of AR	R05-374	6.0 c	6.7 a	7.0 a	6.0 a	6.4
3	Univ. of MO	S09-13635	7.0 a	6.0 b	7.3 a	6.0 a	6.6
4	USDA-ARS	JTN-4307	6.0 c	6.0 b	6.0 b	5.0 c	5.8
R²			0.8303	0.6716	0.8813	0.8061	
CV			2.13	1.99	3.40	2.92	
p-value			< 0.0001	< 0.0001	< 0.0001	< 0.0001	
LSD			0.23	0.19	0.36	0.29	
St. Dev			0.25	0.17	0.48	0.31	